

# IBM TRAINING

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**JANUARY 2009 – JULY 2009**

**Classroom**

**Hands-on Labs**

**Instructor Led Online (ILO)**

**Self Paced Training**

**Technical Conferences**

**IBM Training for Systems**

*Mainframe Systems Platform*

*IBM System z (z/OS, z/VM, Linux on System z)*

*Modular Systems Platform*

*IBM System x and BladeCenter*

*Power Systems Platform*

*IBM System i*

*IBM System p, AIX and UNIX*

*Linux*

*Storage Systems Platform*

*IBM System Storage and Storage Networking*

*VMware Platform*

**IBM Software Training**

*Application Development/Java Technologies*

*CICS*

*Information Management*

*Lotus*

*Rational software*

*Service Oriented Architecture (SOA)*

*Tivoli*

*WebSphere*

**IBM Internet Security Systems™**

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# Contact Information

## How to contact IBM Training

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### Location details

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IBM Training  
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Melbourne VIC 3000

#### Adelaide

180 Greenhill Road  
Parkside SA 5063

#### Auckland

82 Wyndham Street  
Auckland 1001 NZ

#### Brisbane

348 Edward Street  
Brisbane QLD 4000

#### Canberra

8 Brisbane Avenue  
Barton ACT 2600

#### Christchurch

3 Cathedral Square  
Christchurch NZ

#### Darwin

47 Mitchell Street  
Darwin NT 0800

#### Hobart

147 Macquarie Street  
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1060 Hay Street  
West Perth WA 6005

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#### IBM Software Training

##### WebSphere Software

[ibm.com/training/au/websphere](http://ibm.com/training/au/websphere)

##### Rational Software

[ibm.com/training/au/rational](http://ibm.com/training/au/rational)

##### Information Management Software

[ibm.com/au/training/information](http://ibm.com/au/training/information)

##### Lotus Software

[ibm.com/training/au/lotus](http://ibm.com/training/au/lotus)

##### Tivoli Software

[ibm.com/training/au/tivoli](http://ibm.com/training/au/tivoli)

#### Systems and Technology Training

##### IBM Storage and Storage Networking

[ibm.com/au/training/storage](http://ibm.com/au/training/storage)

##### IBM System i

[ibm.com/au/training/systemi](http://ibm.com/au/training/systemi)

##### IBM System p, AIX and UNIX

[ibm.com/au/training/systemp](http://ibm.com/au/training/systemp)

##### IBM System x

[ibm.com/au/training/systemx](http://ibm.com/au/training/systemx)

##### IBM System z (z/OS, z/VM, Linux)

[ibm.com/au/training/systemz](http://ibm.com/au/training/systemz)

##### VMware Platform

[ibm.com/au/training/vmware](http://ibm.com/au/training/vmware)

##### Linux

[ibm.com/au/training/linux](http://ibm.com/au/training/linux)

##### Networking Protocols and Technologies

[ibm.com/au/training/networking](http://ibm.com/au/training/networking)

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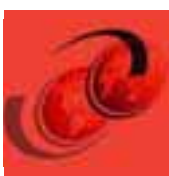
If the course you require is not listed in your location, please call us on **1800 801 088** (Australia) or **0800 801 800** (New Zealand) and we can discuss alternative arrangements.


2  **One Stop Shopping for Your IT Training**  
IBM offers a wide range of technical education in the IT industry in Australia, as well as flexible delivery options to meet your scheduling and budgeting needs.


4  **IBM Education Pack**  
Extend your training dollars. You can use it for IBM courses, conferences, e-learning and more!


5  **Onsite Training from IBM**  
Bring top-notch classroom instruction to your location, customized to your needs.

6  **IBM Technical Conferences**  
Worldwide listing of 2009 IBM Technical Conferences.

7  **IBM RedBooks Workshop**  
IBM Redbook authors, subject matter experts and practitioners developed the workshops together with experts from around the globe.

8  **Professional Certification from IBM**  
Laying the groundwork for your personal journey to become a world-class resource to your customers, colleagues and company.

9  **IBM Training for Systems**  
Check here for systems training in today's most vital technologies: green efficiency, virtualisation, IT optimisation and more.

49  **IBM Software Training**  
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# One Stop Shopping for Your IT Training

If you would like to discuss your training requirements further please contact us on **1800 801 088** (Australia) or **0800 801 800** (New Zealand).



IBM offers a wide range of technical education in the IT industry in Australia, as well as flexible delivery options to meet your scheduling and budgeting needs. Curriculum & delivery – classroom or remote lab instructor can be tailored to fit the requirements of your organisation. Below is a summary of IBM's curriculum & delivery options.

## Curriculum & Delivery Options

IBM Training has three categories of formal education offering:

- Classroom based training
  - Open Enrolment Courses
  - Open Enrolment Courses On Demand
  - Dedicated Courses
  - Customised Courses
- E-learning – screen based, browser delivered, self paced education
- Instructor Led Online (ILO) Courses.

## Classroom Based Courses

The classroom courses immerse students in an educational experience by providing in-depth material and an expert instructor with years of experience using and deploying IBM software tools.

### Open Enrolment Courses

This type of training is a classroom training event, led by an instructor at a training facility away from the customer site. During this style of training, the instructor presents the concepts/ content via a lecture. The material is reinforced by examples worked individually or in teams. The attendees of this training are from multiple customers. Because of this, the material and examples remain relatively generic. Open enrolment courses are most cost effective when you have less than eight (8) students to train.

### **Do you need a course urgently but don't have the numbers for a dedicated class?**

You don't have to wait for the next scheduled class in your location. If you have 6 or more participants contact us to book an **Open Enrolment Course On Demand**.

### **Dedicated & Customised Courses**

Dedicated education can be delivered at your facility or ours. You have an option to customise dedicated education to better fit your team's training requirements or mentored workshops which are tailored for more specialised situations.

If you have 8 or more staff that needs to attend the same course, a dedicated course is the most cost-effective answer.

During this style of training, the instructor presents the concepts/content via a lecture and lab. The material is generally reinforced by examples worked individually or in teams. In most cases, the attendees are from a single project team, or section. Because of this, the material and examples can be tailored to reflect the team's domain. In the cases where the material and examples remain generic (a cost trade-off), the classroom discussions explore the domain-specific application of the example and concepts.

### **E-Learning**

E-learning provides the foundational and necessary prerequisite knowledge through online Web-Based Training (WBT), Computer Based Training (CBT) or Self Paced training.

E-learning courses are self-directed and self-paced. Each course is divided into sections so staff can select and customise courses to suit their own educational requirements.

E-learning courses initiate learning of the base principles relating to the tools and methodologies. This type of training consists primarily of client's staff working through training courses at their desk or at a dedicated training workstation. The training may include exercises, quizzes and tests. These are graded automatically, as the student progresses.

### **Instructor-led On Line (ILO) Courses**

Missing the live instruction, hands-on labs and group interaction when you're taking a traditional eLearning course? Well now you don't have to! IBM Training is now offering some of our most popular courses in a new learning format, instructor-led online (ILO). With this new format, you get the best of both worlds: the benefits of being in a classroom with the convenience and cost savings of online training!



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# The IBM Education Pack

IBM wants to help you get the most out of every education dollar. That's why we offer you a savings program to make training more affordable.

For more information, visit:  
[ibm.com/training/au/edpack](http://ibm.com/training/au/edpack)



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- Easy to use – no papers to mail in, no coupons to bring to class, no POs to complete each time you buy training. IBM handles it all electronically, automatically.

**Reduce your training cost while increasing your skills**

The IBM Education Pack account is a prepaid account that automatically saves you 3% to 8% on your IBM training. Previously, Education Pack accounts could only be purchased in pre packaged amounts. Now, you can buy just the amount of Ed Pack dollars you need! No money left over. No large investments to make. No separate Purchase Orders to open. Best of all, you can use your discount dollars for the IBM Training you've always purchased – public courses, onsite courses, most self-paced virtual classes, instructor mentoring – even the IBM Training Technical Conferences.

Gain approval for training just once a year when you purchase the IBM Ed Pack. It saves you time and your company money! The more classes you attend, the more knowledge you gain and the more you save. The IBM Education Pack offers flexible training and

saving options to best suit your needs. Training is available to any employee within your organisation and represents savings each time they are redeemed. This means several people at your company can learn valuable new skills, attend the hottest courses and save up to 8 percent, depending on the selected option, while they train.

IBM Education Pack is valid for 12 months from the date your application is processed.

**Here's how it works**

The IBM Education Pack is a prepaid discount program that gives your organisation's employees access to the high quality classroom training and technical conferences for which IBM is renowned.

The IBM Education Pack has three levels of discount to accommodate your training budget. Depending on the purchase level, the discount can be as high as eight percent.

*Save money with the IBM Education Pack – A simpler way to pay for training.*

Funded Value ex GST (\$100 increments)	Your Saving	Price ex GST	Price inc GST
\$5,000 – \$9,900	3%	\$4,850 – \$9,603	\$5,335.00 – \$10,563.30
\$10,000 – \$19,900	5%	\$9,500 – \$18,905	\$10,450.00 – \$20,795.50
\$20,000 or more	8%	\$18,400 or more	\$20,240.00

*All prices are in Australian Dollars*

Funded Value ex GST (\$100 increments)	Your Saving	Price ex GST	Price inc GST
\$5,000 – \$9,900	3%	\$4,850 – \$9,603	\$5,456.25 – \$10,803.38
\$10,000 – \$19,900	5%	\$9,500 – \$18,905	\$10,687.50 – \$21,268.13
\$20,000 or more	8%	\$18,400 or more	\$20,700.00 or more

*All prices are in New Zealand Dollars*

*\* This offer is subject to the terms and conditions of the IBM Education Pack. Please read before purchasing.*

# Onsite Training – Just the Right Training. Just For Your Team.

Getting Started with 3 Easy Steps – brings you total peace of mind and total training excellence. Three steps for a convenient, cost effective, and unique learning experience... Just right for your skill needs.



**1 You choose the best time to learn. Contact IBM Training to discuss your options and pricing.**

- Who is your training audience by job roles?
- What is the technical background of your participants?
- What activities/projects will the training support?
- What are your organisation's main objectives today?
- What future initiatives need to be considered?

**2 You get the right fit. Select the right learning solution to best meet your objectives.**

- Does the structure of existing course(s) work well for your organisation?
- What topics should be added or deleted from our courses or curriculums?

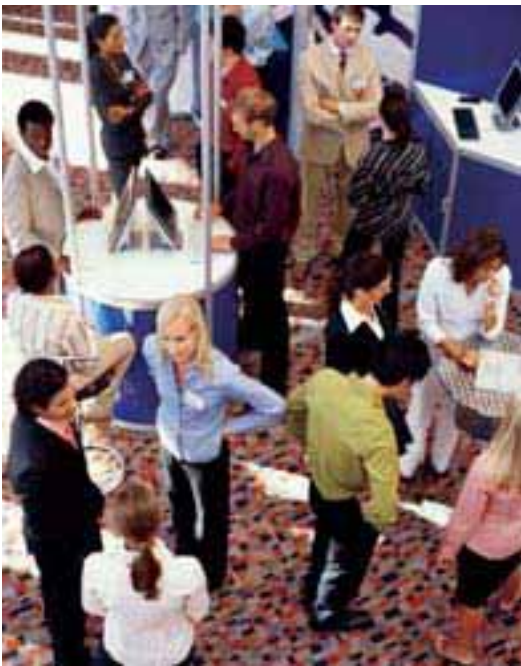
**3 You get superior planning support. Let IBM handle all the details.**

- How many people will participate in the training?
- What date/time will work best for all involved?
- Do you have the right hardware to run the labs for your class?
- Do you have an appropriate room in which to hold your class?

For more information, visit our website at: **[ibm.com/training/au](http://ibm.com/training/au)** or **Call 1800 801 800** to discuss your onsite training needs!

# IBM Technical Conferences

*Go Now.  
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You know those feedback forms you fill out at technical conferences? Well, we actually read them. And what you're telling us is that IBM Technical Conferences consistently exceed your expectations:

- The speakers always include great information from product developers and industry experts...
- Exhibitors demonstrate emerging technologies and innovative solutions ...
- Session topics cover new application versions and releases so you come back to your job armed with tips and techniques applicable in the real world...
- Even the people you meet – colleagues from other countries, cities and organizations – are an excellent resource for networking, information and insight.

Which conference is right for you? Review the IBM Technical Conferences listed here, or visit the online listing to find out all the details, dates, locations and topics. At most conferences, you can even participate in skills training, hands-on labs and IBM certification testing (check listings for availability).

Don't forget! Your IBM Education Pack can save you up to 8% on most conferences, too! Spend less, get more.

## 2009 Worldwide IBM Technical Conferences

Conference Name	Dates	Location
IBM Power Systems Technical University Featuring AIX, Linux and IBM i	Summer	U.S.A.
IBM STG POWER Systems Technical Symposium	August 17 – 21	Bangkok, Thailand
<b>IBM STG POWER Systems Technical Symposium</b>	<b>August 23 – 28</b>	<b>Perth, Australia</b>
IBM STG POWER Systems Technical Symposium	February 9 – 11	Mumbai, India
IBM System Storage and Storage Networking Symposium	July 27 – 31	Chicago, Illinois
IBM System x and BladeCenter Technical Conference	July 27 – 31	Chicago, Illinois
<b>IBM System x and BladeCenter Technical Symposium</b>	<b>March 4 – 6</b>	<b>Melbourne, Australia</b>
IBM System x and BladeCenter Technical Symposium	March 9 – 11	Macau, China
IBM System x and BladeCenter Technical Symposium	July 15 – 17	Ho Chi Min, Vietnam
IBM System x and BladeCenter Technical Symposium	July 20 – 22	Dehli, India
IBM System z Expo (Featuring z/OS, z/VM, z/VSE, Linux on System z and Storage for System z)	Winter	U.S.A
IBM System z Technical Symposium	May 11 – 15	Shanghai, China
IBM System z Technical Symposium	May 18 – 22	Chennai, India
Impact 2009	May 3 – 8	Las Vegas, Nevada
Information Management Technical Conference	March	Bangalore, India
Information Management Technical Conference	August	Beijing, China
Information Management Technical Conference	September	Singapore
<b>Enterprise Content Management Technical University</b>	<b>10 – 12 March</b>	<b>Sydney, Australia</b>
Information On Demand 2009	October 25 – 30	Las Vegas, Nevada
<b>Lotus Technical Conference</b>	<b>25 – 27 August</b>	<b>Gold Coast, Australia</b>
Lotus Technical Conference	September	Beijing, China
Lotus Technical Conference	September	Mumbai, India
Lotosphere 2009	January 18 – 22	Orlando, Florida
Pulse 2009	February 8 – 12	Las Vegas, Nevada
Rational Software Development Conference	May 31 – June 4	Orlando, Florida
Rational Technical Conference	August	Singapore
Rational University	October	Bangalore, India
<b>RSDC Technical University</b>	<b>28 – 30 July</b>	<b>Sydney, Australia</b>
Tivoli Technical Conference	July	Singapore
<b>Tivoli University</b>	<b>29 April – 1 May</b>	<b>Sydney, Australia</b>
Tivoli University	November	Bangalore, India
<b>U2 University</b>	<b>17 – 19 November</b>	<b>Melbourne, Australia</b>
WebSphere Portal Technical Conference	October 12 – 15	San Diego, California
WebSphere Technical Conference	July	Bangalore, India
WebSphere Technical Conference	October	Singapore
WebSphere Technical Conference	October	Beijing, China
<b>WebSphere Technical Conference</b>	<b>October</b>	<b>Melbourne, Australia</b>

*Conference names, dates and location are subject to change.*

Bookmark this page to stay on top of the latest details about these events at [ibm.com/events/asiapacific/](http://ibm.com/events/asiapacific/)

# IBM Redbooks Workshops



Full course details can be viewed online at [ibm.com/training/au](http://ibm.com/training/au)

Do not miss the opportunity to attend this intensive hands-on training.

There are limited spaces in each so be sure to secure your place early.

IBM Redbook authors, subject matter experts and practitioners developed the workshops together with experts from around the globe. The workshops will be taught by these experts and will be targeted to IT Architects, Specialists, Developers & Operations Professionals.

Course	Course Title	Date	City
<b>WRB025AU</b>	Building Composite Applications in Lotus Expeditor	4 – 6 March	Sydney
<b>WRB025AU</b>	Building Composite Applications in Lotus Expeditor	10 – 12 March	Melbourne
<b>WRB026AU</b>	IBM WebSphere: Performance, Scalability, and High availability concepts	15 June	Melbourne
<b>WRB029AU</b>	Building WebSphere ESB Solutions	14 July	Melbourne
<b>WRB032AU</b>	IBM CICS and Web Services	May	Sydney
<b>WRB032AU</b>	IBM CICS and Web Services	May	Melbourne
<b>WRB050AU</b>	ITSO SOA Technical Forum	April	Sydney
<b>WRB050AU</b>	ITSO SOA Technical Forum	April	Melbourne
<b>WRB051AU</b>	SOA Application Modernisation on z/OS	9 June	Melbourne
<b>WRB004AU</b>	IBM Tivoli Storage Manager Fast Back Implementation and Usage	TBA	Melbourne
<b>WRB009AU</b>	ITCM for Transaction Implementation and Usage	TBA	Sydney
<b>WRB009AU</b>	ITCM for Transaction Implementation and Usage	TBA	Melbourne
<b>WRB004AU</b>	IBM Tivoli Storage Manager Fast Back Implementation and Usage	July	Sydney
<b>WRB023AU</b>	DB2 9 for z/OS Performance	7 – 9 July	Melbourne
<b>WRB062AU</b>	Web 2.0/AJAX/WebSphere Feature Pack	May	Sydney
<b>WRB062AU</b>	Web 2.0/AJAX/WebSphere Feature Pack	May	Melbourne
<b>WRB053AU</b>	Integration CICS Applications in an SOA	TBA	Sydney
<b>WRB053AU</b>	Integration CICS Applications in an SOA	TBA	Melbourne

For more details, visit [ibm.com/training/au/redbooks](http://ibm.com/training/au/redbooks)

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*Your certification proves it.*

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website of IBM Professional  
Certification for more  
detailed information:  
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## **Stay ahead of the curve**

Today's marketplace is both crowded and complex. Individuals and businesses that don't stay ahead of the curve risk being left behind. To develop a solid, competitive advantage—and to remain ahead of that curve—technology specialists are turning to Professional Certification from IBM.

Our extensive portfolio of integrated certifications includes servers, software, application and solution skills. The certification process is designed to prepare you and your company to meet e-business initiatives with real solutions.

## **A continuous journey to excellence**

The IBM Professional Certification Program is both a journey and a destination. It's a business solution for skilled IT professionals and a way to demonstrate their expertise to the world. The certification requirements are tough, but it's not rocket science, either. It's a rigorous process that is designed to differentiate you from everyone else. By keeping our standards high, we've created a distinction universally respected by customers, businesses and co-workers across most industries. The IBM Professional Certification Program is a true measure of your expertise. We have specially developed the courseware and incorporated real-world experience to prepare you for the rigorous exams that are required to earn this prestigious distinction.

## **The right stuff**

Certification can help you to win business in competitive situations, and companies with employees certified by IBM report impressive results. For IT specialists and companies forging ahead into the wide-open realm of e-business, IBM Professional Certification really is the right stuff. It helps build a portfolio of skills for today's growing global marketplace. IBM Professional Certification, will help you to:

- Validate your skills
- Demonstrate your expertise and proficiency in the latest IBM technology and solutions
- Demonstrate that you're capable of performing role-related activities at a specified level of competence
- Add value to your company
- Engage with your certified peers in the private collaboration centre for IBM Certified Professionals.

We realise you may still have some questions about IBM Professional Certification, need help with the process, or assistance with test preparation. You may be blazing new trails and creating your own space, but you don't have to go it alone.

# IBM TRAINING FOR SYSTEMS



***JANUARY 2009 – JULY 2009***

***Mainframe Systems Platform***

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*Linux*

***Storage Systems Platform***

*IBM System Storage and Storage Networking*

***Technology Partner Offerings***

*Cisco Certified Training*

*(ISC)2*

*VMware Training*

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## To Our Valued IBM Clients



Michael Kuhn

This is an exciting year for IBM Systems. We are going through the most extensive upgrade to our systems portfolio in years and we have completely refreshed our training offerings to help you take full advantage of these new technologies.

We have also redesigned our IBM Training Catalog to help you quickly locate the training services you need, link to our website to view course descriptions and training paths, and register online!

In the IBM Training for Systems section of this catalog, you will find more than 200 courses including 60 new or updated courses which are currently offered in over 68 countries.

In addition, we have expanded our ever popular IBM Systems Technical Conferences – an exceptional forum for exploring emerging technologies and meeting industry leaders from our world-class product development labs. See page 6 for a schedule of these world class conferences and attend one soon.

IBM Training for Systems has recently joined forces with IBM's STG Lab Based Services to provide you with additional flexibility and significantly expand how we deliver training services. In addition to the broad portfolio of training courses in our catalog, we can provide you with customized onsite training services which are now more affordable than ever. This "one-two" punch is a winning combination in delivering a total solution to our clients and in differentiating what IBM has to offer in solving our clients' toughest IT challenges.

Not only are we responding to your needs by adding flexibility in how our training services are delivered, we are continuing to expand our offerings with a more client-centric solutions approach. This includes a wide variety of training services to achieve greater IT optimization through our virtualization, business resiliency, security and "green" energy-efficiency initiatives.

Thank you for choosing IBM Training for Systems. We look forward to continuing to support your training needs.

Sincerely,

Michael Kuhn  
Director, Systems and Technology Group  
Lab Based Services  
IBM Worldwide Systems Training Executive

# IBM TRAINING FOR SYSTEMS

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### See this section for...

What's new and updated in our systems training portfolio. This section of the catalog is divided into four major areas. Each area provides you with course descriptions of recently announced new and updated courses, a listing of upcoming technical conferences and curriculum training paths by hardware platform. If you don't find the training you need or have questions, call us.

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# IBM System z (z/OS, z/VM, Linux on System z)

## Curriculum Overview

IBM has developed a strategy for making on-demand business a reality. It's a practical vision that uses existing technologies enabled by virtualization and the System z mainframe advantages of business resiliency, security, workload management and business integration to effectively manage the 'fabric' of today's IT enterprise. To take full advantage of this high powered technology, look to IBM for all your System z training needs.

If you are new to z/OS, you have different options to get familiar with z/OS. We offer the introduction class "An Introduction to the z/OS Environment" either as classroom course "ES05" or as a Web delivered class "EZ05". ES05 is a two-day classroom course. EZ05 is delivered via the Internet in four days; four hours each day as a lecture. These ES05/EZ05 courses set the prerequisites for many other z/OS courses. If you are just looking for an overview of z/OS, than the new ES06 course may be a good option for you. The ES06 course offers more than the ES05/EZ05, but is not a prerequisite for other courses in the curriculum.

## z/OS Networking

If you are using TCP/IP on z/OS, we offer a variety of courses for z/OS networking. The "TCP/IP for z/OS Implementation Workshop (CB69)" provides the prerequisites for the NW79, NW75, and NW90 courses. See page 14.

## Parallel Sysplex Training Environment (ES97)

Parallel Sysplex Training Environment (ES97), is a training offering from IBM that provides a working Parallel Sysplex sandbox, complete with workloads and documentation. This offering is designed to improve understanding of how a Parallel Sysplex (PS) works, for operations personnel as well as systems programmers.

Parallel Sysplex Training Environment (ES97) provides operators and systems programmers with a safe PS environment where they can do destructive testing, being able to do things that they would never do in a production or even a normal test environment. It also provides detailed exercises, stepping the user through various management and failure scenarios related to the use of Coupling Facility structures.

Cost: Pricing on request

[ibm.com/services/learning/us/pdfs/catalog/parallelsysplex.pdf](http://ibm.com/services/learning/us/pdfs/catalog/parallelsysplex.pdf)

## 2009 IBM Technical Conferences

- **IBM System Storage and Storage Networking Symposium**  
July 27 – 31 • Chicago, Illinois
- **IBM System z Expo**  
Featuring z/OS, z/VM, z/VSE, Linux on System z and Storage for System z  
Winter 2009 • USA
- **IBM System z Technical Symposium**  
May 11 – 15 • Shanghai, China  
May 18 – 22 • Chennai, India

For a list of 2009 IBM Technical Conferences, see page 6, or for more details, visit our Web site at [ibm.com/training/conf](http://ibm.com/training/conf)

## Training Paths



The training paths on the following pages show the recommended sequence of courses within this curriculum.

Visit the IBM Training Web site in your country to view the most up-to-date training paths.

[ibm.com/training/au](http://ibm.com/training/au)

System z Overview

z/OS and System z

z/OS Operation and Parallel Sysplex

z/OS Installation, Tuning, JES, REXX Programming and Problem Diagnosis

Security Skills

z/OS UNIX System Services, WebSphere and SAP

z/VM and z/Linux

TCP/IP Architecture and Implementation

## IBM Training for Systems Helps You Go Green

### IBM Systems z Mainframe Training: Technical Overview of HW and SW Mainframe Evolution (ES82)

"Going green" is a red hot topic in business today. Companies realize that transforming power hungry IT infrastructures into leaner, greener operations goes beyond altruism to bottom line realities. IBM is leading this green evolution with Project Big Green, a \$1 billion investment in new energy efficient products and services. Businesses that implement this green portfolio of products and services can expect energy savings. That translates into big green bucks for the bottom line! If you like to learn more about the features available with the new system z10, check out this course.

IBM System z Mainframe Training can help you go green. If you want to know more about how to optimize your IT environment by decreasing your energy consumption visit [ibm.com/trainingus/greener](http://ibm.com/trainingus/greener)

## Leverage IBM Education Packs

Did you know that you can use the IBM Education Pack to pay for your IBM training? Leverage IBM Education Packs for any IBM training, including our technical conferences, classroom, and onsite courses. Visit [ibm.com/training/au/edpack](http://ibm.com/training/au/edpack) for details.

## Updates to z/OS: If You Are Looking for z/OS Update Classes, You Have Choices

- To go from z/OS V1R6 to z/OS V1R7 **take** (OZ93)
- To go from z/OS V1R6 to V1R8 **take** (OZ97)

If you are already on z/OS V1R7 you can choose to **take** the update course for z/OS V1R7 to z/OS V1R8 (OZ95) followed by the update course z/OS V1R8 to z/OS V1R9 (EZ91).

## IBM System z Refresh Track – You Snooze, You Lose

You're at the top of your game – now you want to stay there. These updated courses are a must for every System z professional. If it's been awhile since you last updated your System z skills, it's time to check out these offerings:

- ES10: Fundamental System Skills in z/OS
- ES15: z/OS Facilities
- ES20: z/OS System Services Structure
- SZ86: z/OS Security Server RACF and Integrated Security Services-Update
- ES66: Advanced z/OS Security: Crypto, Network, RACF and Your Enterprise

Visit [ibm.com/training/au](http://ibm.com/training/au) and select a country to see detailed descriptions and schedules.

z/OS		AUD
BE87	Effective RACF Administration	C/H \$4,500
ES05	An Introduction to the z/OS Environment – <i>Updated to reflect current software</i>	C \$1,800
EZ05	An Introduction to the z/OS Environment	I N/A
ES06	Introduction and Usage of z/OS	C/H \$4,500
ES07	z/OS Job Control Language and Utilities – <i>Updated to reflect current software</i>	C/H \$4,500
ES10	Fundamental System Skills in z/OS	C/H \$3,600
ES11	SAP NetWeaver on DB2 for z/OS Implementation and Installation	C/H \$2,700
ES15	z/OS Facilities	C \$4,500
ES19	Basics of z/OS RACF Administration	C/H \$4,500
ES20	z/OS System Services Structure	C \$4,500
ES26	SMP/E for z/OS Workshop	C/H \$4,500
ES27	z/OS Operations – <i>Updated to reflect current software</i>	C/H \$2,700
ES28	z/OS JES2 Operator Training	C/H \$2,700
ES32	FICON Planning, Operation, Implementation, and Problem Determination	C/H \$2,700
ES41	z/OS Installation	C/H \$4,500
ES42	Parallel Sysplex Implementation Workshop – <i>Updated to reflect current software</i>	C \$4,500
ES44	S/390 Hardware Configuration Manager Workshop	C/H \$900
ES48	ISPF Panels Using Dialog Manager	C/H \$4,500
ES52	Writing REXX Programs for z/OS	C/H \$4,500
★ ES53	SAP NetWeaver on DB2 for z/OS – Database Administration	C/H \$4,500
ES54	Basic z/OS Tuning Using the Workload Manager (WLM)	C/H \$4,500
ES65	Implementing and Using LDAP on z/OS	C/H \$2,700
★ ES66	Advanced z/OS Security: Crypto, Network, RACF and Your Enterprise <i>Updated to reflect the latest software products</i>	C/H \$3,600
ES68	WebSphere Application Server for z/OS Implementation – <i>Updated to reflect current software</i>	C/H \$4,500
ES71	JES2 for z/OS Facilities and Implementation	C/H \$4,500
★ ES82	IBM System z Mainframe Training: Technical Overview of the HW and SW Mainframe Evolution – <i>Updated to reflect the System z10 Hardware</i>	C/H \$1,800
ES84	Implementing RACF Security for CICS	C/H \$4,500
ES85	Advanced z/OS Performance: WLM, Sysplex and UNIX Services	C \$4,500
ES88	Exploiting the Advanced Features of RACF	C/H \$3,600
ES90	Advanced Parallel Sysplex Operations and Recovery	C/H \$4,500
★ EZ91	z/OS V1R8 to z/OS V1R9 Update – <i>Includes the delta from z/OS V1R8 to V1R9</i>	C N/A
ES96	z/OS HCD and I/O Configuration – <i>Updated to reflect current software</i>	C/H \$3,600
MV45	Parallel Sysplex Planning and Implementation for z/OS	C \$2,700
MV90	Parallel Sysplex Operation and Recovery – <i>Updated to reflect current software</i>	C/H \$4,500
★ OP05	Introducing z/OS UNIX System Services <i>Updated to reflect the latest functions</i>	C/H \$2,700
★ OP25	z/OS UNIX System Services Implementation <i>Updated to reflect the latest functions</i>	C/H \$3,600
OP29	zFS – The USS Filesystem Implementation and Migration from HFS	C/H \$2,700
★ OZ61	WebSphere Application Server V6: Problem Documentation and Diagnostics	C/H N/A
OZ83	Integrated WebSphere Messaging Into a Service Oriented Architecture	C/H \$2,700
OZ85	Maximizing WebSphere Performance on z/OS	C/H \$4,500
OZ93	z/OS V1R5 to z/OS V1R7 Update: Enhanced Scalability and Autonomics	C \$1,800
★ OZ95	z/OS V1R7 to z/OS V1R8 Update	C \$2,700
★ OZ97	z/OS V1R7 to z/OS V1R8 Update: Extending the Enterprise-wide Role	C \$4,500
SZ81	z/OS Security Server RACF, Implementation and Customization	C/H \$3,600
SZ86	z/OS Security Server RACF and Integrated Security Services – Update	C/H \$1,800

★ New and Updated C = Classroom C/H = Classroom with Hands-on Labs I = Delivered via the Internet (not available in Australia/New Zealand)

## ★New Courses

**ES53 SAP NetWeaver on DB2 for z/OS – Database Administration****Classroom with Hands-on Labs**

This course prepares you to administer DB2 UDB for z/OS in a heterogeneous environment with SAP NetWeaver – SAP Web AS, as the application server platform using tools in the SAP environment and on the database level. Completing the hands-on lab exercises reinforces the presented concepts and information.

**EZ91 z/OS V1R8 to z/OS V1R9 Update****Classroom**

This course teaches the delta from z/OS V1R8 to V1R9.

**OZ61 WebSphere Application Server V6: Problem Documentation and Diagnostics****Classroom with Hands-on Labs**

This course provides you with the basic skills needed to do problem determination and problem source identification for software errors occurring in the WebSphere for z/OS V6 environment.

**OZ95 z/OS V1R7 to z/OS V1R8 Update****Classroom**

This course is designed to teach you the new features and enhanced functions provided in z/OS Version 1 Release 8. The course starts with a refresh of zSeries processor hardware and upgrades including the z9-EC and BC. Then, the software updates and enhancements for z/OS V1R8 are presented in groups based on closely associated z/OS components.

The groups include enhancements to the 64-bit application environment for applications coded in C/C++ and Java for z/OS, enhancements to the base control program, UNIX System Services, the data storage subsystem, Communications Server, and security components such as RACF, and LDAP. Finally, the installation and migration issues relating to installation of z/OS V1.8 are discussed.

**OZ97 z/OS V1R7 to z/OS V1R8 Update: Extending the Enterprise-wide Role****Classroom**

This course is designed to teach you the new features and enhanced functions provided in z/OS Version 1 Release 8. The class starts with a refresh of zSeries processor hardware and upgrades including the z9-EC and BC. Then the software updates and enhancements for z/OS V1R7 and z/OS V1R8 are presented in groups based on closely associated z/OS components.

The groups include enhancements to the 64-bit application environment for applications coded in C/C++ and Java for z/OS, enhancements to the base control program, UNIX System Services, the data storage subsystem, Communications Server, and security components such as RACF, and LDAP. Finally, the installation and migration issues relating to installation of z/OS V1R7 and z/OS V1.8 are discussed.

## ★Updated Courses

**ES66 Advanced z/OS Security: Crypto, Network, RACF and Your Enterprise****Classroom with Hands-on Labs****Updated to reflect the latest software products**

The z/OS environment and System z have long been known for their security and reliability. This has been an essential point in meeting the critical business needs of the world's ever-changing business requirements. But in today's environment, the z/OS environment and System z needs to not only maintain their reputation for security within their own system environment; they need to extend this security across the enterprise.

This course presents the evolution of the current z/OS security architecture and explores in detail the various technologies involved in z/OS Cryptographic Services, z/OS Security Server Resource Access Control Facility (RACF), and z/OS Integrated Security Services. Topics include crypto, Public Key Infrastructure (PKI), System Secure Sockets Layer (SSL), Network Authentication Services, Enterprise Identity Mapping, Lightweight Directory Access Protocol (LDAP), Unix System Services, Identity Management and more.

**ES82 IBM System z Mainframe Training: Technical Overview of the HW and SW Mainframe Evolution****Classroom with Hands-on Labs****Updated to reflect the System z10 hardware**

Develop a comprehensive understanding of how the hardware (H/W), software (S/W), and input/output (I/O) interact in the large system mainframe environment. Get a technical overview of the latest IBM mainframe servers from the 9672 Central Processing Complex (CPC) to the current System z9 servers. The IBM System z9 109 and zServers will be discussed in detail, including the latest servers supporting multiple logical subsystem, greater than 256 channels, spanning channels, new console support and addition PU functions.

Discuss system communications and I/O operations, and how they interact from both a H/W and S/W viewpoint across the mainframe environment. Discuss mainframe operating systems from MVS to current z/OS at a high level. The focus in the operating systems discussion will center on the major enhancements that z/OS provides for z/Architecture.

**OP05 Introducing z/OS UNIX System Services****Classroom with Hands-on Labs****Updated to reflect the latest functions**

Learn about z/OS UNIX System Services (z/OS UNIX). Discuss the similarities of z/OS UNIX and other UNIX environments, and also how it is different. Discuss the role of z/OS UNIX as a server and pathway to the Internet. Reinforce the materials presented in hands-on labs. Learn how to accomplish work without knowing the key UNIX commands. Logon to z/OS UNIX and exercise many of the key UNIX commands to gain familiarity with the environment.

**OP25 z/OS UNIX System Services Implementation****Classroom with Hands-on Labs****Updated to reflect the latest functions**

This course replaces ESP40. Learn how to install and customize z/OS UNIX (full name z/OS UNIX System Services). Also learn how to manage and monitor the z/OS UNIX environment.

The prices listed in this catalog are subject to change.

### New and Updated Courses – IBM Training for Systems



*IBM continually develops courses, to make sure we bring you the most current topics in IT training, with the latest delivery methods and variety of class formats.*

*As you decide which course to take next, look for the courses listed in this section of the catalog marked with a Red Star.*

### Leading the Way with IBM System z (z/OS, z/VM, Linux on System z) Professional Certification



*IBM Professional Certification is a way for skilled IT professionals to validate skills and demonstrates proficiency in the latest IBM technology*

*and solutions. Training is an essential part of this process. Let IBM help you build the skills you need to formally solidify your credentials. To learn more, visit [ibm.com/certify](http://ibm.com/certify)*

### The Greening of IBM Training



*Transitioning to a green data center is more than just an altruistic gesture – it's now clear that going green is a necessity companies will need to embrace to reduce*

*infrastructure costs and remain competitive economically. Incorporating IT training into the process will be instrumental in maximizing the return on investment in the hardware and software needed to operate these new, energy-efficient data centers. Are you ready to follow? High-intensity learning experiences have been developed for IBM System z, IBM POWER 6™ processors, IBM BladeCenter and IBM System Storage & TotalStorage to address a range of IT staff skill needs. Learn more about the Greening of IBM Training at [ibm.com/training/us/green](http://ibm.com/training/us/green)*

Visit [ibm.com/training/au](http://ibm.com/training/au) and select a country to see detailed descriptions and schedules.

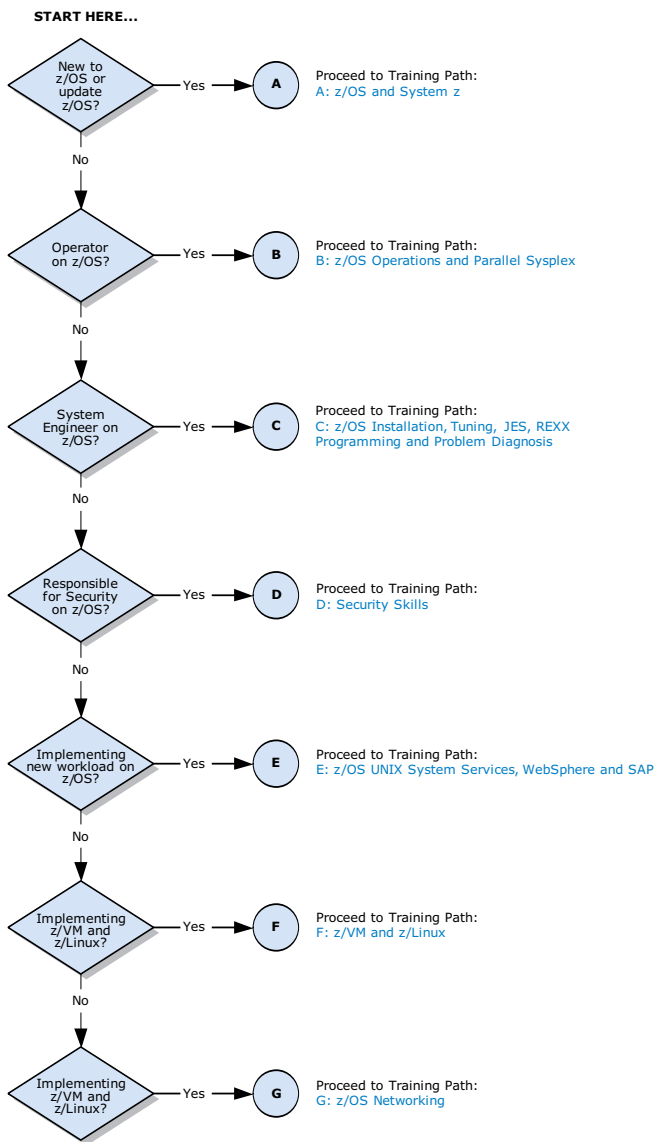
IBM System z Mainframe			AUD
ES24	zSeries Hardware Management Console (HMC) Operations <i>Updated to reflect current software</i>	C/H	\$1,800
ES83	Complex Systems Availability and Recovery: IBM System z9 and zSeries	C/H	\$4,500
OZ05	IBM System z9 and zSeries 990/890 Technical Update and Configuration Guidelines	C	\$1,800
OZ20	Enterprise Workload Manager (EWLM) Planning and Implementation	C/H	\$3,600
OZ96	zSeries Channel Architecture Planning, Operation and Problem Determination	C/H	\$4,500
z/VM and Linux			
ZL10	Linux Implementation for zSeries	C/H	\$2,700
ZL12	Linux Basics – A zSeries Perspective	C/H	\$1,800
ZL15	Advanced Solutions for Linux on zSeries	C/H	\$3,600
ZL18	Automated Deployment of Linux Images Under z/VM	C/H	\$3,600
ZV02	z/VM Introduction and Concepts	C/H	\$2,700
ZV06	Installing, Configuring and Servicing z/VM for Linux Guests	C/H	\$4,500
ZV10	z/VM and Linux Connectivity and Management	C/H	\$3,600
ZV20	z/VM RACF and DIRMAINT Implementation	C/H	\$4,500
Networking			
CB47	VTAM/APPN Concepts and Implementation	C	N/A
CB69	TCP/IP for z/OS Implementation Workshop	C/H	\$3,600
NW48	TCP/IP Architecture	C	\$2,700
NW75	TCP/IP High Availability Solutions for z/OS	C	\$2,700
NW79	TCP/IP for z/OS: Diagnostics and Debugging	C/H	\$3,600
NW90	Communications Server for z/OS: V1 Update	C	\$4,500

C = Classroom    C/H = Classroom with Hands-on Labs

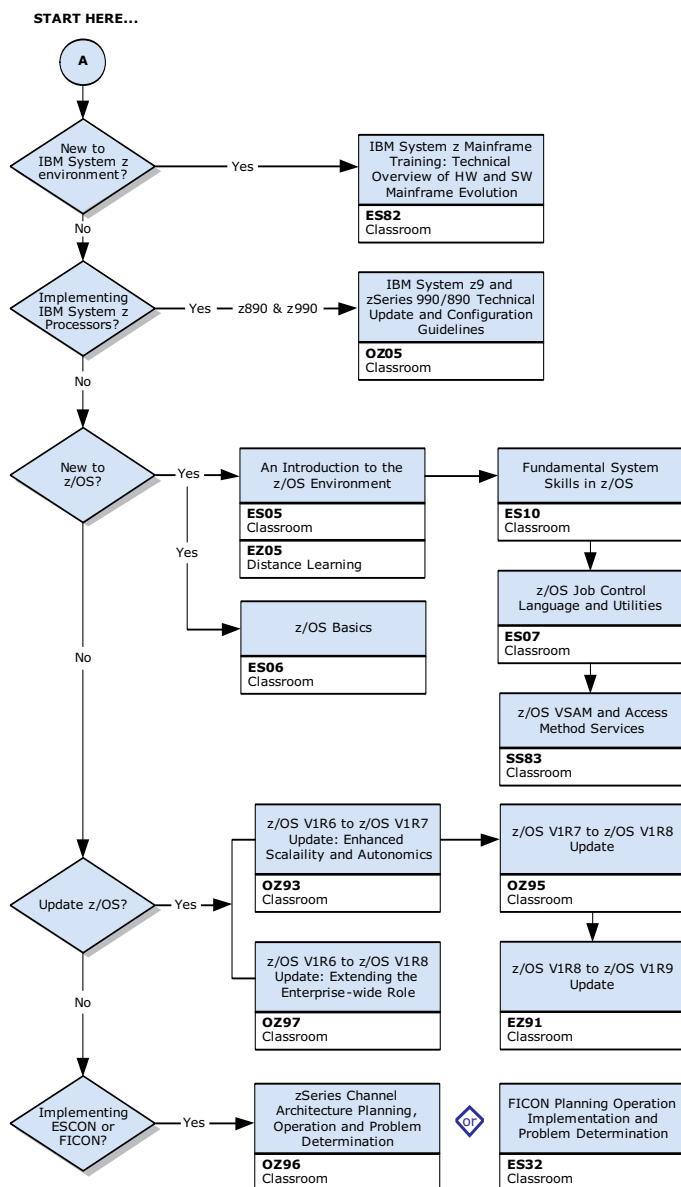


IBM's comprehensive System z curriculum can help you identify and implement the best solution for your toughest IT challenges.

### System z Overview

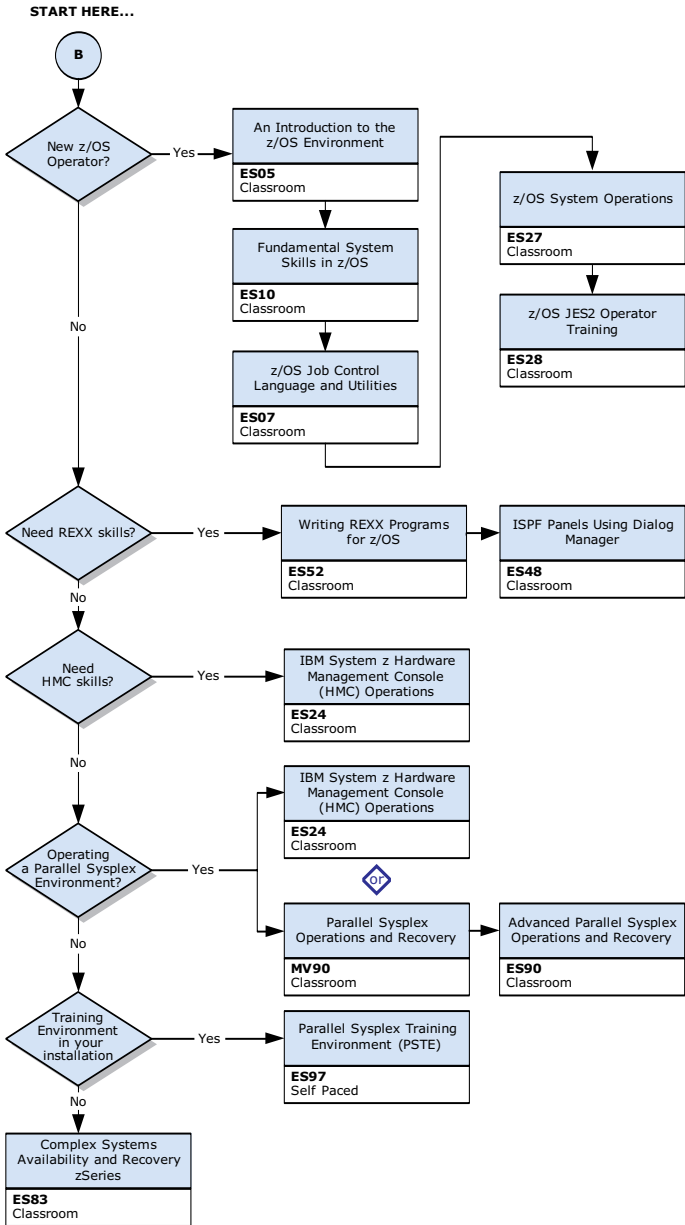


### z/OS and System z

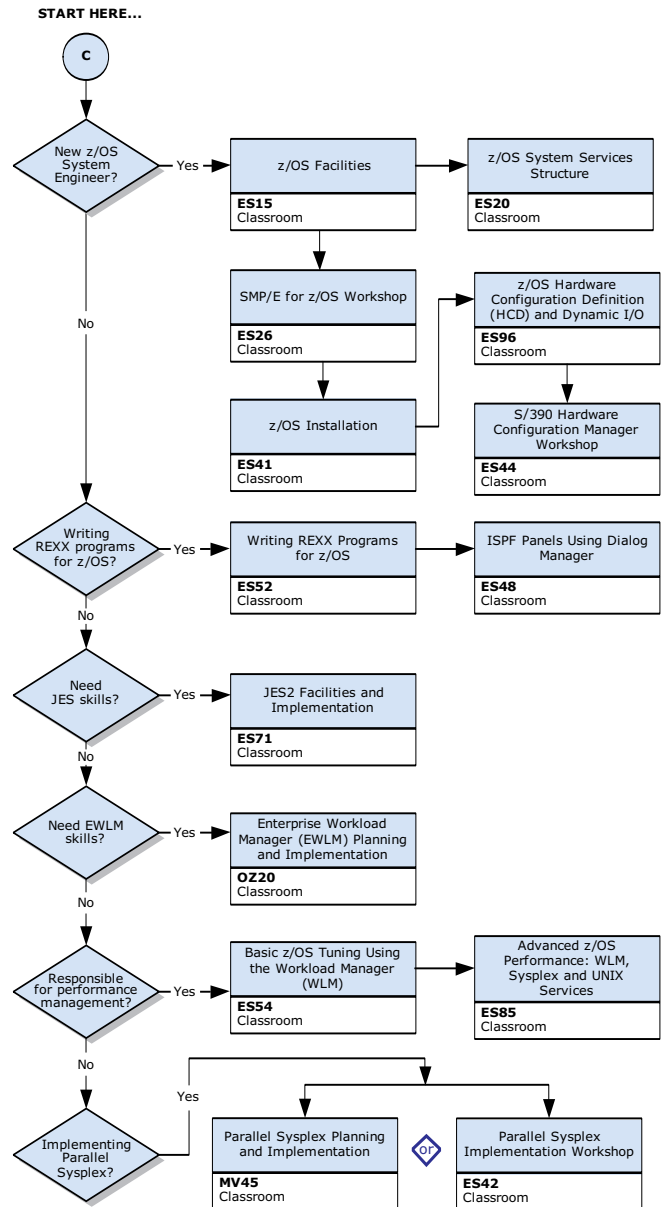


Distance Learning not available in Australia/New Zealand

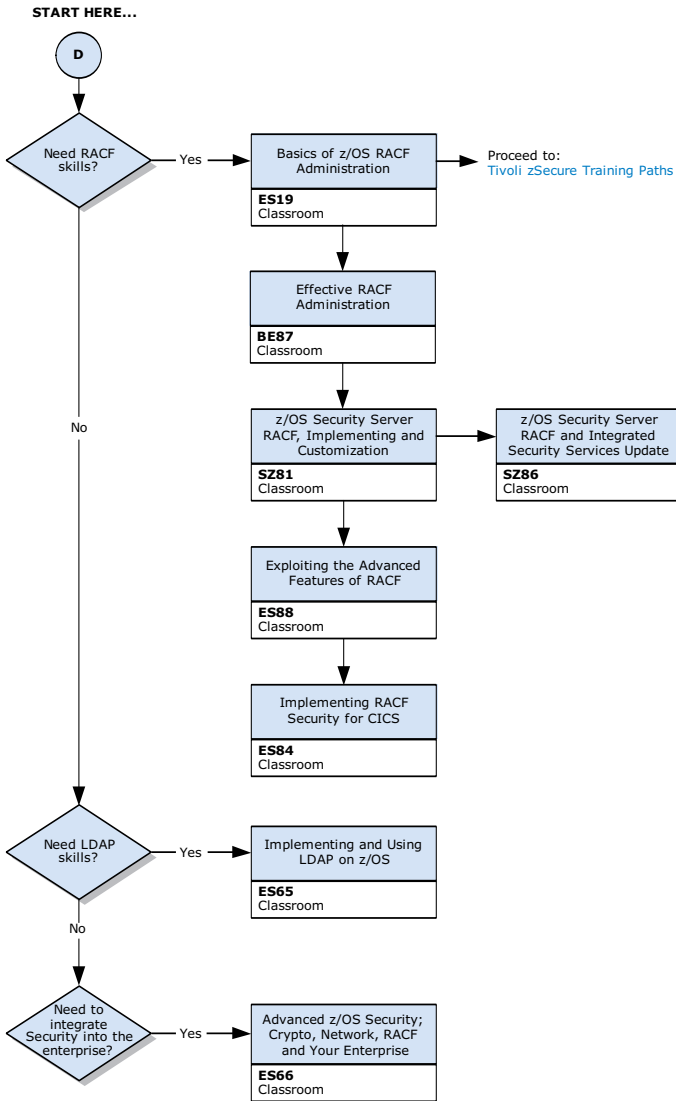
### z/OS Operation and Parallel Sysplex



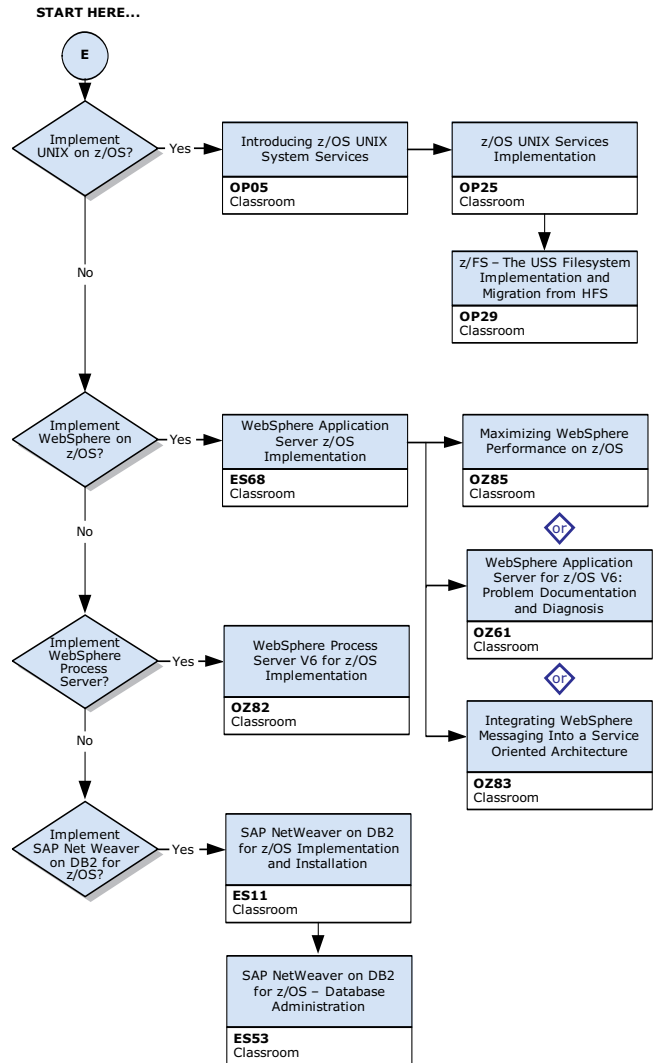
### z/OS Installation, Tuning, JES, REXX Programming and Problem Diagnosis



### Security Skills



### z/OS UNIX System Services, WebSphere and SAP



### Onsite Training from IBM – Let Us Bring the Training to You



IBM can provide convenient, cost-effective and customized training for groups as small as three to groups as large as 14 or more. Get the same quality education we deliver in our classrooms, brought right to your site or one that IBM arranges for you. Save money, enjoy greater flexibility, gain more control and achieve stronger results with Onsite Training from IBM. Get even greater savings by using an IBM Education Pack – see page 4. To talk with someone about an onsite class, contact an IBM Training Customer Service Representative.

### Critical Business Drivers Demand Training



Up-to-date technology skills form the foundation for any successful technology implementation. But technological competence is a moving target. New products and platform upgrades quickly lead to skill obsolescence, and competition for talent ratchets up the need for high-quality training. Buy training when you buy technology, because:

• Technology skills are quickly outdated  
 • Today's technologies are complex  
 • Competition for key talent is fierce  
 • It's smarter to train than recruit

- Technology skills are quickly outdated
- Today's technologies are complex
- Competition for key talent is fierce
- It's smarter to train than recruit

When training is added to an IBM solution, your company can install systems and applications more efficiently, integrate them more effectively, reap the benefits sooner, and stay competitive. Choose IBM for your training needs, and you're choosing a training partner with an uncommon commitment to your success. Visit [ibm.com/training/perspectives](http://ibm.com/training/perspectives) to learn more.

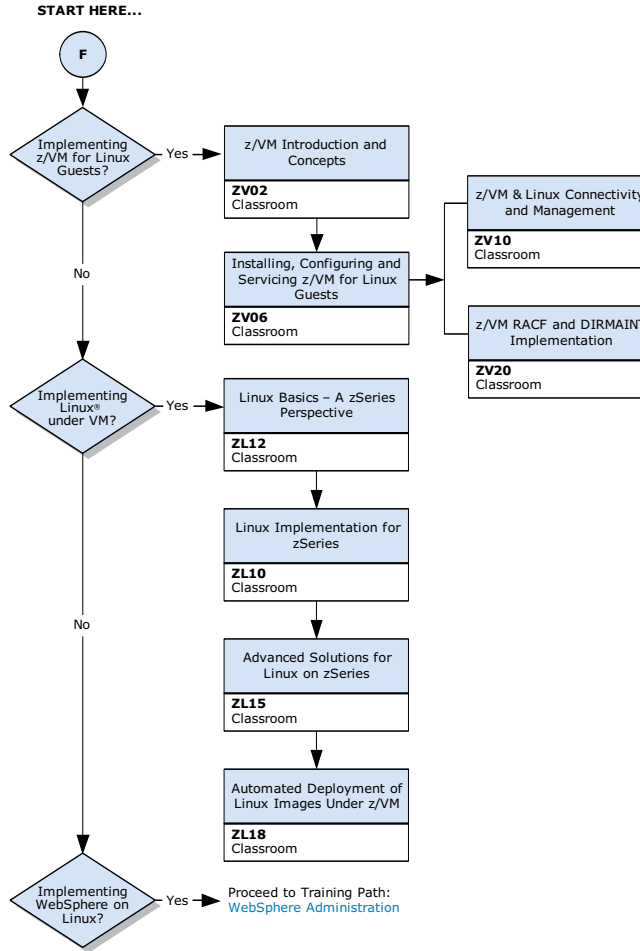
### Customer Service Reps



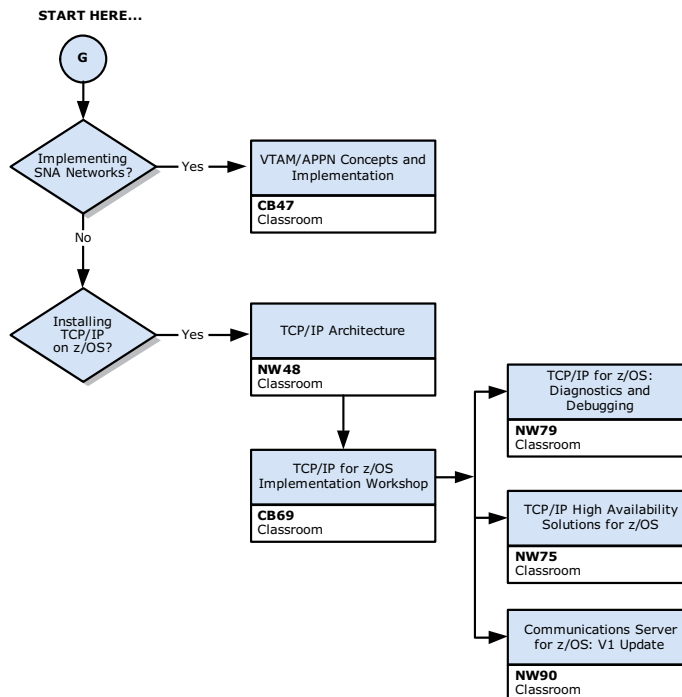
Have a question? Need some curriculum advice? Want to enroll right now? Call **1800 801 088** (Australia) or **0800 801 800** (New Zealand) for fast, courteous, knowledgeable

support from our customer service representatives. Real people with real answers can help you enroll, offer curriculum details, explain our promotional offerings – and much more.

## z/VM and z/Linux



## z/OS Networking





# IBM System x and BladeCenter

Visit [ibm.com/training/au](http://ibm.com/training/au) and select a country to see detailed descriptions and schedules.

## Curriculum Overview

IBM System x server is designed to be integrated into robust, flexible IT infrastructures. The System x and BladeCenter server family combines industry standards and openness with IBM innovations and technology to offer extreme performance and scalability with acclaimed IBM reliability, manageability and serviceability. The name System x originates from IBM X-Architecture™ technology, an initiative to bring the best IBM enterprise server features, functions and services to the x86 processor-based server segment. The result is an industry leading server family of towers, racks, blades, high end scalable servers and multi-node superclusters, that are ready for your dynamic on-demand business needs, and can help you achieve your price performance goal.

### IBM System x Training

IBM has a breadth of training offerings to meet almost every customer requirement. In the x86-based server space, here are just a few of the topics our courses cover:

**IBM BladeCenter** – scale out with x86-based processor blade servers for smart modular computing.

**Enterprise X-Architecture™ Technology** continued leading-edge eX4 scale up technology in the x86-based server space. This technology helps to provide for the highest levels of performance and memory protection as well as remote I/O.

**Systems Management – IBM Director** hardware workgroup manager using innovative technology combined with years of systems management experience and customer feedback to create a solution that stands above the rest. Using standard help-desk features and advanced monitoring and alert management capabilities, IBM Director is tailored for superior management of Intel processor-based systems.

Technical Training		AUD	
★ XTR11	IBM System x Technical Principles (Enhanced) – <i>Updated with enhanced topics</i>	C/H	\$2,400
★ XTR21	IBM System x and Fiber Channel Storage	C/H	\$1,600
★ XTR44	IBM Director Overview	C/H	\$1,600
★ XTR45	IBM Director Advanced	C/H	\$1,600
★ XTR50	IBM System x Enterprise Server Architecture and Product Overview	C/H	\$1,600
BladeCenter Training			
★ XTR30	IBM BladeCenter Fundamentals	C/H	\$1,600
★ XTR31	IBM BladeCenter S Workshop	C/H	\$800
★ XTR32	IBM BladeCenter E Workshop	C/H	\$800
★ XTR33	IBM BladeCenter H Workshop	C/H	\$800
★ XTR34	IBM BladeCenter E & H Workshop	C/H	\$800

★ New and Updated    C/H = Classroom with Hands-on Labs

## Certification

Professionals requiring formal credentials validating skills in IBM BladeCenter and System x Server products may pursue IBM professional technical certification. IBM offers hands-on lab training with real-life problem solving opportunities on IBM System x and BladeCenter servers. These courses and associated tests lead to certification through the Professional Certification Program from IBM. Course content focuses on underlying technology, in addition to specific products, to maximize value and provide transferable skills. This training is available through System x and BladeCenter education included in this catalog.

The professional roles certified by IBM are:

- IBM Certified Specialist – System x Technical Principles
- IBM Certified Advanced Technical Expert – System x High Performance Servers
- IBM Certified Specialist – IBM BladeCenter
- IBM Certified Specialist – System x IBM Director
- IBM Certified Specialist – System x High Performance Servers

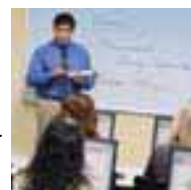
## 2009 IBM Technical Conference

- **IBM System x and BladeCenter Technical Conference**  
July 27 – 31 • Chicago, Illinois
- **IBM System x and BladeCenter Technical Symposium**  
March 4 – 6 • Melbourne, Australia

For a list of 2009 IBM Technical Conferences, see page 6, or for more details, visit our Web site at [ibm.com/training/conf](http://ibm.com/training/conf)

## Leverage IBM Education Packs

Did you know that you can use the IBM Education Pack to pay for your IBM training? Leverage IBM Education Packs for any IBM training, including our technical conferences, classroom, and onsite courses. It's a great option for companies that need to train multiple employees. Visit [ibm.com/training/au/edpack](http://ibm.com/training/au/edpack) for details.



★New Courses

**XTR21 IBM System x and Fiber Channel Storage**

**Classroom with Hands-on Labs**

Learn how to plan, install, configure, manage, and perform problem isolation on an IBM System Storage DS4000 Storage Area Network (SAN) in this hands-on simulator course. Emphasis will be on using DS4000 Storage Manager in an IBM System x environment.

**XTR44 IBM Director Overview**

**Classroom with Hands-on Labs**

IBM Director 5.20 is a powerful, highly integrated systems management solution built upon industry standards and designed for easy use that helps streamline and automate management and support tasks such as asset deployment and tracking. IBM Director can help reduce the Total Cost of Ownership (TCO) of networked IBM and non-IBM Intel-based systems and takes advantage of an existing enterprise or workgroup management system from a number of vendors, including IBM Tivoli, Computer Associates, Microsoft, and Hewlett-Packard (HP).

This course discusses the features, functions, and benefits of IBM Director 5.20 and its basic tasks. In addition, remote lab exercises on installing the Director Server, Level 0, 1, and 2 Systems, Inventory Management, Event Action Plans, and more will give you a practical hands on approach to IBM Director.

**XTR45 IBM Director Advanced**

**Classroom with Hands-on Labs**

This course builds on XTR44 and it discusses the features, functions, and benefits of IBM Director 5.20 extensions, including Capacity Manager, System Availability, ServeRAID Manager, Software Distribution Premium Edition, Remote Deployment Manager 4.40, and the Remote Supervisor Adapter II family. Remote labs on the Director Extensions is a large part of this class.

**XTR50 IBM System x Enterprise Server Architecture and Product Overview**

**Classroom with Hands-on Labs**

IBM System x enterprise servers represent the best of IBM X-Architecture technology, leveraging decades of mainframe server design to deliver an open and affordable, industry-standard server platform. This course highlights the features and functions of the IBM System x Enterprise server line that includes the System x3755, System x3800, System x3850 M2, System x3850 M2 Hypervisor Model, and System x3950 M2. In addition to learning the technical aspects of these highly scalable (up to 16-socket) and complex System x servers, you learn advanced IBM architecture features including X3 and the new eX4 technologies, and how to implement and manage the business and mission critical solutions required by enterprise level customers. A series of videos and a simulation will show you the steps necessary to perform the scaling of a System x3950 M2 two-chassis configuration.

**XTR30 IBM BladeCenter Fundamentals**

**Classroom with Hands-on Labs**

This workshop provides an in-depth understanding of the design and technology behind the IBM's BladeCenter systems and components, with main focus on the blades and modules available for the different IBM BladeCenter chassis. The course presents a detailed technical introduction to the different blade servers. In addition, through lecture as well as remote lab exercises the course discusses in detail Ethernet and storage solutions that are available.

The course also discusses various management options for the BladeCenter using IBM Director. Capabilities and features of the IBM Director are explained, as well as management and configuration capabilities.

**IBM BladeCenter Workshops**

**Classroom with Hands-on Labs**

**XTR31 – IBM BladeCenter S Workshop**

**XTR32 – IBM BladeCenter E Workshop**

**XTR33 – IBM BladeCenter H Workshop**

**XTR34 – IBM BladeCenter E & H Workshop**

Each workshop provides an in-depth understanding of IBM's design and technology concepts for the BladeCenter S, BladeCenter E, or BladeCenter H chassis and their components, to include integrated storage capabilities.

With a combination of lecture materials and remote lab exercises, each workshop presents a detailed technical introduction of the BladeCenter S, BladeCenter E, or BladeCenter H architectural features.

Each course introduces and discusses the various management options available for the BladeCenter S, BladeCenter E, or BladeCenter H chassis, the Advanced Management Modules's web-interface and functions, as well as troubleshooting and installation considerations.

★Updated Course

**XTR11 IBM System x Technical Principles (Enhanced)**

**Classroom with Hands-on Labs**

This is the entry course for all of the System x Technical Education Roadmaps, including certification, clustering, and systems management. The student will gain a thorough understanding of the design, architectures, features, and functions of IBM System x servers and IBM BladeCenter products. There are additional topics on System x Storage, rack power and cooling, troubleshooting, and tools and support.

**Training Paths**

The training paths on the following pages show the recommended sequence of courses within this curriculum.

Visit the IBM Training Web site in your country to view the most up-to-date training paths.

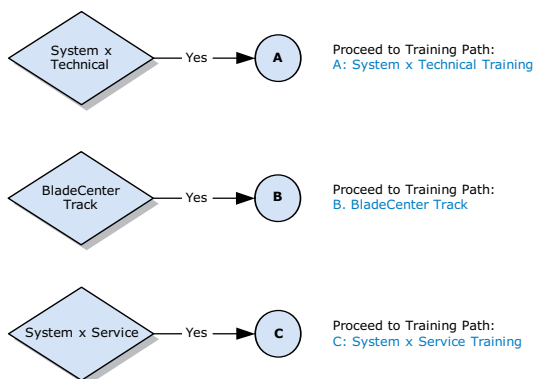
[ibm.com/training/au](http://ibm.com/training/au)

- System x Technical Training
- System x Service Training
- System x BladeCenter Track

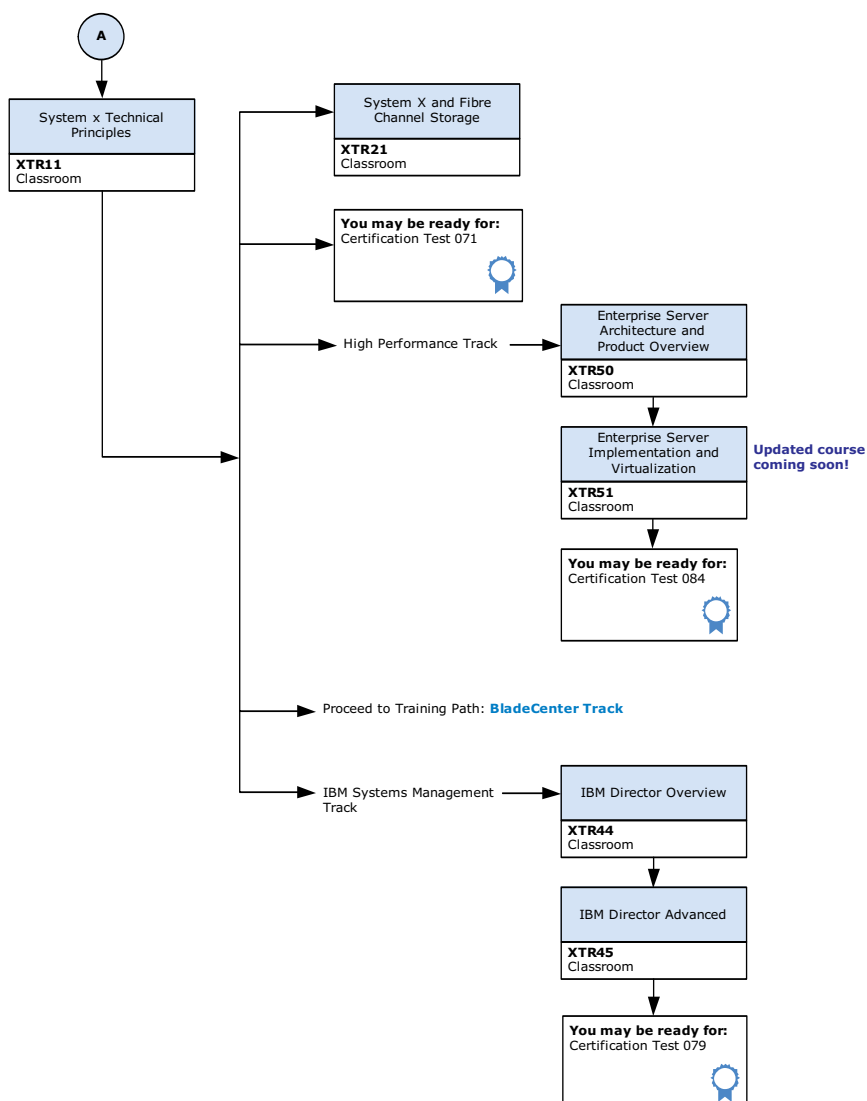
The prices listed in this catalog are subject to change.

## System x Training

### 3 Training Areas



## System x Technical Training



## New and Updated Courses – IBM Training for Systems



IBM continually develops courses, to make sure we bring you the most current topics in IT training, with the latest delivery methods and variety of class formats. As you decide which course to take next, look for the courses listed in this section of the catalog marked with a Red Star.

## Your IT Infrastructure is Up to Speed, But What About Your Skills?



IBM Training helps shorten the learning curve on all our technologies with top instructors, world-class training facilities and an insider's perspective.

Get real-world knowledge in a format that suits your needs – onsite classrooms, custom curricula, hands-on labs and more. View our brief video clip, “A Day in the Life of a Student” to learn what IBM Training can do for you at [ibm.com/software/partners/educationcenters/videos/day\\_life\\_student.wmv](http://ibm.com/software/partners/educationcenters/videos/day_life_student.wmv)

## IBM Technical Conferences – Clients Tell Us That Attending is Time Well Spent



To hear for yourself, visit [ibm.com/training/conf](http://ibm.com/training/conf) and click on “It’s Time Well Spent”. IBM offers technical conferences around the world this year.

Also, check out our technical conferences listing on page 6.

### What Would You Do With an Extra \$2,000 – \$5,000 in IBM Training?



That's like getting a five-day IBM course for free! Or three two-day classes... or one reserved spot at this year's biggest IT Conference... or use it

toward an onsite or e-learning course and save big! The IBM Education Pack is a prepaid account that can automatically save you up to 8% on your IBM training. For more details, visit [ibm.com/training/au/edpack](http://ibm.com/training/au/edpack)

### Expand Your Onsite Training Experience With Instructor Mentoring



Did you know that you can get additional customized training following an onsite class with instructor mentoring from IBM? You have the option of having

your instructor remain at your site to mentor individuals in depth on portions of a class for an additional fee. This mentoring offering can be arranged prior to the onsite training class or left to the discretion of the instructor and students at the conclusion of the class. It's a great way to further customize the onsite learning process to meet your organization's unique needs. For more details visit [ibm.com/training/au](http://ibm.com/training/au)

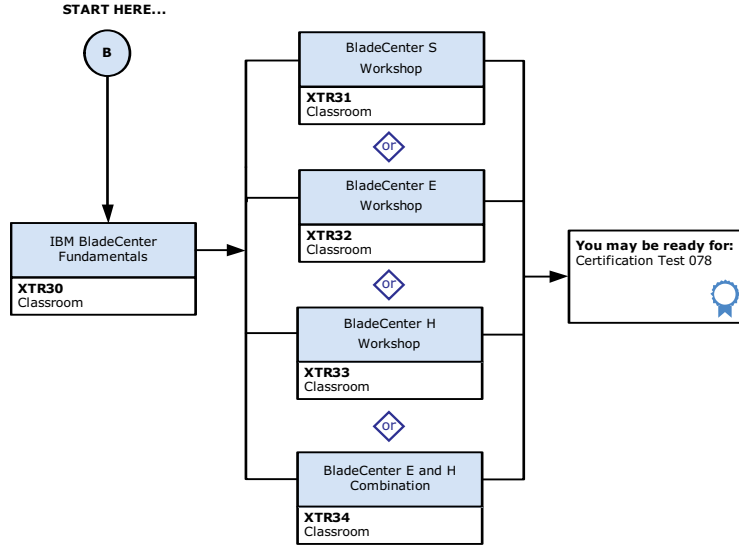
### The Road to Innovation is Paved With IBM Training



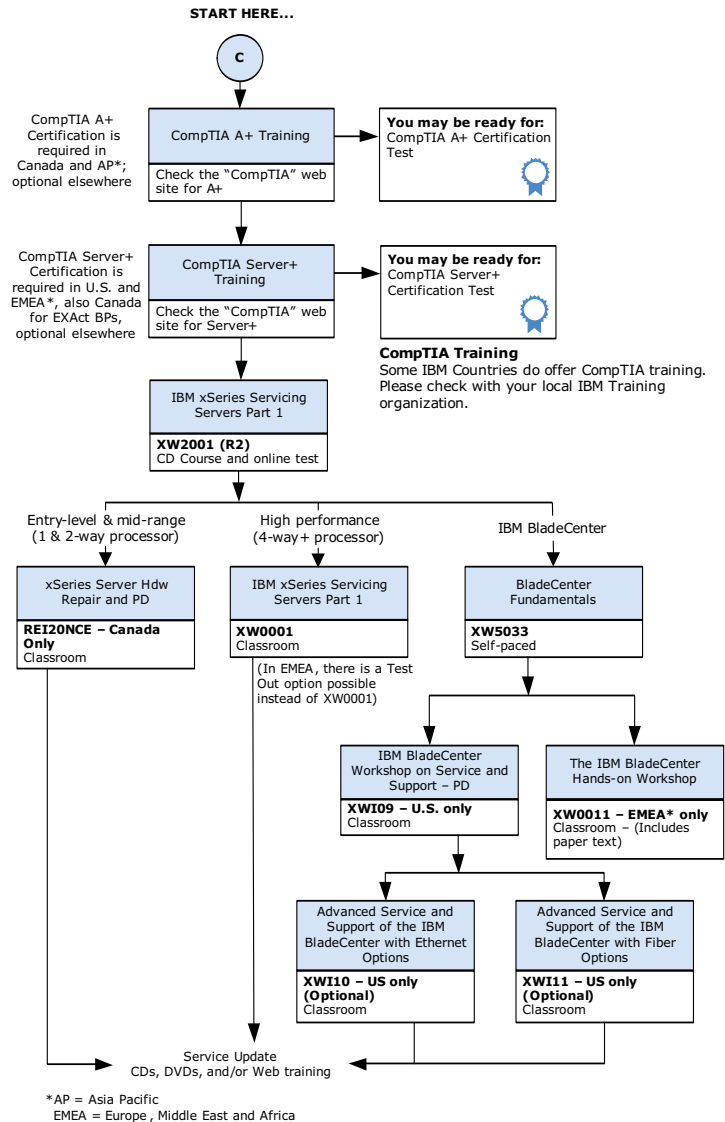
IBM has spent decades building its reputation as a world-class leader in technical training. Learn how you can take advantage of our expertise

to help maximize your IT investment through our broad portfolio of training options that can be customized to complement your company's innovation strategy. In a world of relentless change and rising global competition, IBM is uniquely positioned to offer not only the advanced technologies and capabilities that can help drive innovation, but also the training that makes it all possible. Learn more by visiting [ibm.com/training/us/innovation](http://ibm.com/training/us/innovation)

## System x BladeCenter Track



## System x Service Training



# IBM System i



## Curriculum Overview

The IBM System i™ and IBM System p™ organizations are unifying the value of their server offerings into a single, powerful lineup of Power™ Systems servers based on industry-leading IBM POWER6™ processor technology with support for the IBM i (formerly known as i5/OS®), IBM AIX® and Linux® operating systems. This new, single portfolio of Power Systems servers offers industry-leading technology, continued IBM innovation, and the flexibility to deploy the operating system that your business requires.

Education is continually being updated to reflect the platform improvements and this latest announcement is no exception. Look for some new training offerings and expect significant enhancements to many existing courses. This is an exciting time in Power Systems Education.

## 2009 IBM Technical Conferences

■ **IBM Power Systems Technical University Featuring AIX, Linux and IBM i**  
Summer 2009 • USA

■ **IBM System Storage and Storage Networking Symposium**  
July 27 – 31 • Chicago, Illinois

■ **IBM STG POWER Systems Technical Symposium**  
August 23 – 28 • Perth, Australia

For a list of 2009 IBM Technical Conferences, see page 6, or for more details, visit our Web site at [ibm.com/training/conf](http://ibm.com/training/conf)

## Training Paths



The training paths on the following pages show the recommended sequence of courses within this curriculum.

Visit the IBM Training Web site in your country to view the most up-to-date training paths.

[ibm.com/training/au](http://ibm.com/training/au)

System Operator  
 System Administrator  
 WebSphere/Java Developers  
 WebSphere/Java Administrators  
 Application Developer  
 (DB2, WdSc, RPG, COBOL, CL, SQL)  
 Networking  
 Virtualization (LPAR, Linux, AIX, BladeCenter)  
 End User  
 Solutions (SAP, PHP, IT Simplification)

## IBM Training for Systems Helps You Go Green

“Going green” is a red hot topic in business today. Companies realize that transforming power hungry IT infrastructures into leaner, greener operations goes beyond altruism to bottom line realities. IBM is leading this green evolution with Project Big Green, a \$1 billion investment in new energy efficient products and services. Businesses that implement this green portfolio of products and services can expect energy savings. That translates into big green bucks for the bottom line! If you would like to learn more about System i courses that cover green products and initiatives, check out these courses:

- **New** – OS17 – IBM Power Systems i V6R1 Update
- **New** – AS64 – Performance Analysis Workshop for i5/OS
- **Updated** – AS24 – System Operator Workshop for System i
- **New** – OD05 – DB2 WebQuery for Advanced Users, Developers, and Administrators
- **Updated** – AS28 – Backup and Recovery Media Services (BRMS) for System i

IBM Training for Systems can help you go green. If you would like to know more about how to optimize your IT environment by decreasing your energy consumption visit [ibm.com/training/us/greener](http://ibm.com/training/us/greener)

## Put IBM i 6.1 Update at the Top of Your List in 2009

With the new release of the OS/400 Operating System, don't miss the opportunity to bring your skills up to date with IBM i 6.1 Update (OS17). Enroll now and learn about the enhancements to V6R1 release of i5/OS, hardware, high availability, performance, systems management, virtualization and more.

## Learn Everything You Need to Know About PHP on i5/OS

With its easy-to-use approach, PHP is a natural fit for i5/OS clients and opens up a new development language for Web-based access to DB2/400 data. Hone your skills, increase efficiency and boost productivity levels when you enroll in PHP on i5/OS (OD30).

## I Say i, You Say Performance for the IBM i Performance Improvement Course of the Year

IBM Training's Performance Analysis Workshop for i5/OS (AS641 replaces AS640) will help you better understand how to use performance analysis techniques to improve performance of systems and partitions running i5/OS. Also included is an introduction to using the new browser-based i5/OS V6R1 interface for performance analysis through IBM System Director Navigator. Enroll today!

## Get the Skills You Need to Convert RPG Programs to IBM i

Attention experienced programmers! Converting your RPG programs to run on an IBM i will be a breeze with IBM Training. Check out our workshop series and learn everything you need to know to convert and maintain your programs using the features and techniques available in the RPG IV compiler (Version 5).

- System i RPG IV Version 5 Programming Fundamentals Workshop (AS06)
- System i RPG IV Version 5 Programming Intermediate Workshop (AS07)
- System i RPG IV Version 5 Programming Advanced Workshop (AS10)

Visit [ibm.com/training/au](http://ibm.com/training/au) and select a country to see detailed descriptions and schedules.

<b>Programming: Fundamentals</b>		AUD
OL20	System i Control Language Programming Workshop	C/H \$3,200
★ OL49	System i IP Telephony – Fundamentals and Integrated Collaboration – <i>Updated to V6R1</i>	C/H \$3,200
<b>Programming: RPG and CODE/400</b>		
AS06	System i RPG IV Version 5 Programming Fundamentals Workshop	C/H \$3,200
AS07	System i RPG IV Version 5 Programming Intermediate Workshop	C \$3,200
AS10	System i RPG IV Version 5 Programming Advanced Workshop	C \$3,200
OE85	Moving from RPG/400 to System i RPG IV	C/H \$2,400
<b>Programming: SQL</b>		
OL37	Accessing the System i Database Using SQL	C/H \$1,600
OL38	Developing System i Applications Using SQL	C/H \$1,600
<b>System Administration</b>		
★ AS30	System i Integration with BladeCenter and System x – <i>Now includes the latest labs</i>	C/H \$3,200
AS51	Change Management for System i	C/H \$1,600
AS53	Logical Partitioning (LPAR) on System i	C/H \$4,000
OV53	Logical Partitioning (LPAR) on System i	ILO N/A
★ AS54	IBM Power HA for i, Clustering, and Independent Disk Pools Implementation	C/H \$3,600
★ AS64	Performance Analysis Workshop for i5/OS	C \$3,200
AS65	IBM iDoctor for IBM i	C/H \$3,200
OL19	System i Administration and Control	C/H \$3,600
OL50	System i Security Concepts and Implementation	C/H \$1,600
OL51	System i Recovery and Availability Management	C/H \$1,600
OL95	System i Performance Analysis and Capacity Planning	C/H \$2,400
OV30	System i Integration with BladeCenter and System x	ILO N/A
OV52	Hardware Management Console (HMC) for System i	ILO N/A
OV54	Disk Pool, Clustering Design, Implementation on System i	ILO N/A
<b>System Operations</b>		
★ AS24	System Operator Workshop for System i – <i>Updated to V6R1</i>	C/H \$2,400
AS27	Advanced System Operator Workshop for System i	C \$2,400
★ AS28	Backup and Recovery Media Services (BRMS) for System i – <i>Updated to V6R1</i>	C/H \$4,000
AS49	Telephony Solutions for System i – <i>Now includes the latest labs</i>	C/H \$3,200
★ AS93	IBM System Storage Solutions for i5/OS – <i>Updated to V6R1</i>	C/H \$3,200
★ OS01	Systems Management Using System i Navigator – <i>Now includes the latest labs</i>	C/H \$1,600
★ OV01	Systems Management Using System i Navigator – <i>Now includes the latest labs</i>	ILO N/A
OS02	Query/400 Workshop	C/H \$1,600
★ OS17	IBM Power Systems i V6R1 Update	C/H \$1,600
★ OV24	System Operator Workshop for System i – <i>Updated to V6R1</i>	ILO N/A
OV93	System i Solutions with IBM System Storage	ILO N/A
★ OV98	Introduction to System i for New Users – <i>Now includes the latest labs</i>	ILO N/A

★ New and Updated C = Classroom C/H = Classroom with Hands-on Labs ILO = Instructor-led Online Class (not available in Australia/New Zealand)

## ★ New Courses

### AS54 High Availability Clusters (Power HA) and Independent Disk Pools (IASP)

#### Classroom with Hands-on Labs

High Availability (HA) in an i5/OS environment is achieved with the implementation of an i5/OS independent disk pool (Independent Auxiliary Storage Pool (IASP\*)) and the newly announced V6R1 function 5761-HAS i5/OS High Availability Solutions Manager. After creating an independent disk pool, data and applications are migrated from system disk space to the independent disk pool. Then, using geographic mirroring (Cross-site mirroring (XSM)), or IBM System Storage Copy Services, the disk pool can be made highly available.

Successfully implementing a continuously available environment requires knowledge of the application, data, and end-user requirements. Examine the considerations for a well-coordinated continuously available environment using i5/OS cluster support. Learn about many of the concepts from a series of presentations and gain practical experience through hands-on lab exercises.

### AS64 Performance Analysis Workshop for i5/OS

#### Classroom

Learn to better understand the techniques of performance analysis of systems and partitions running i5/OS. Increase your knowledge on how the system operates and interfaces with applications. Acquire the skills to better manage performance on the systems and partitions running i5/OS. New i5/OS V6R1 and POWER6 topics include discussions on multiple virtual shared processor pools and the benefits of configuring dedicated processor partitions to donate processor capacity. An introduction to using the new browser-based i5/OS V6R1 interface for performance analysis through IBM System Director Navigator for i5/OS has also been created.

The prices listed in this catalog are subject to change.

Visit [ibm.com/training/au](http://ibm.com/training/au) and select a country to see detailed descriptions and schedules.

Introductory Courses			AUD
AS43	Introduction to System i for Computer Professionals	C	\$2,400
OE98	Introduction to System i for New Users	C/H	\$800
e-business (WebSphere, Java)			
★ AS08	Java for RPG Programmers – <i>Updated to V6R1</i>	C/H	\$4,000
AS16	OS/400 V5.1 TCP/IP Basic Implementation	C/H	\$2,400
AS17	OS/400 Version 5 HTTP Server Implementation (Apache & Original)	C/H	\$2,400
AS18	Enabling i5/OS Network Security	C/H	\$2,400
AS77	IBM WebSphere Application Server Express V6.0 Administration on System i	C/H	\$1,600
AS85	Web-Enabling 5250 Applications Using the IBM WebFacing Tool in WDSC	C/H	\$1,275
AS94	IBM WebSphere Application Server V6.1 Administration on System i	C/H	\$2,400
AS96	Advanced WebFacing Functions Using WebSphere Development Studio Client AEV6 WDSC	C/H	\$800
OV78	WebSphere Version 6.1 Performance Monitoring and Tuning for System i	ILO	N/A
★ OV78	IBM WebSphere Application Server V6.1 Performance for System i – <i>Updated to WAS 6.1</i>	C/H	\$2,400
★ OW86	System i Application Development Using WDSC Version 7.0 – <i>Updated to WDSC 7.0</i>	C/H	\$1,600
DB2 Programming			
★ OD04	DB2 WebQuery Getting Started	C/H	\$800
★ OD05	DB2 WebQuery for Advanced users, Developers, and Administrators	C/H	\$2,400
★ OD30	PHP on i5/OS	C/H	\$2,400
★ OD40	IBM DB2 for i5/OS SQL Performance Monitoring and Tuning Workshop	C/H	\$3,200
OL62	DB2/400 Database Coding and Implementation Using DDS and CL Commands	C/H	\$2,400

★ New and Updated C = Classroom C/H = Classroom with Hands-on Labs ILO = Instructor-led Online Class (not available in Australia/New Zealand)

## OD04 DB2 WebQuery Getting Started

### Classroom with Hands-on Labs

Learn to use the highly productive DB2 Web Query Report Assistant and Graph Assistant to produce web based reports and graphs. Create selective reports/graphs with parameters and drill down function. You'll also learn how easy it is to direct your output to a PDF, to automatically produce an Excel spreadsheet or to direct your output to one of thirteen other formats.

Hand-on labs will teach you how to easily convert and extend your Query for iSeries Reports into browser based DB2 WebQuery Reports. You'll extend those Query reports with traffic lighting, you'll also direct output to Microsoft Excel and take the queries to a whole new level with Active Reports. You'll see demonstrations of Executive Dashboards and Key Performance Indicator (KPI) Reports that could be created with additional DB2 Web Query components. Optionally, you can learn how install DB2 WebQuery on your IBM i.

## OD05 DB2 WebQuery for Advanced Users, Developers, and Administrators

### Classroom with hands-on Labs

Whether you want to learn about using basic DB2 Web Query Reporting and Graphing function or take your DB2 WebQuery Knowledge to the next level this class is for you.

Hands on labs will teach you to use the highly productive DB2 WebQuery Report Assistant and Graph Assistant to provide web based reporting and graphing functions. Drill Downs, chaining, and advanced parameterized reports/graphs will also be created. You'll also learn how easy it is to direct your output to a PDF, to automatically produce an Excel spreadsheet or to direct your output to one of thirteen other formats. Hand-on labs will teach you how to easily convert and extend your Query for iSeries Reports into browser based DB2 WebQuery Reports. You'll extend those Query reports with traffic lighting, you'll also direct output to Microsoft Excel and take the queries to a whole new level with Active Reports.

## OD30 PHP on i5/OS

### Classroom with Hands-on Labs

The incorporation of PHP in i5/OS opens up a new development language for web-based access to DB2/400 data.

## OD40 IBM DB2 for i5/OS SQL Performance Monitoring and Tuning Workshop

### Classroom with Hands-on Labs • \$2,500

Learn the information, tools and strategies for monitoring, analyzing and tuning IBM DB2 for i5/OS Structured Query Language (SQL). Explore the science and art behind the DB2 for i5/OS query optimizer and database engine, including database performance and scalability. Discuss performance issues affecting database design and data-centric applications. Get hands-on experience with database performance parameters and options, as well as the various tools that assist in performance monitoring, analysis and tuning. Knowledge and skill gained by attending this course are considered critical success factors when building and deploying SQL based solutions.

## OS17 IBM i 6.1 Update

### Classroom

The course materials give detailed information on the enhancements available in the V6R1 release of i5/OS. The course includes:

- Overview of the enhancements in V6R1
- Hardware enhancements
- High availability enhancements
- Performance enhancements
- System management enhancements
- Program conversion requirements
- Virtualization enhancements
- WebSphere, CL, RPG, Rational and Lotus enhancements
- Go Green program announcements

### Location, Location, Location



IBM training locations are around the world, so you're sure to find a location that's convenient to you. Whether it's an IBM facility or an IBM Authorized Training Provider

facility, our locations are professionally staffed, offer expert instructors and provide quality equipment for labs and hands-on workshops. For a list of our locations, visit [ibm.com/training/au](http://ibm.com/training/au)

### 2009 IBM Technical Conferences Schedule



Staying current on technology and product changes can be difficult. IBM technical conference attendees tell us that they get what they need at these

events – updated sessions with the newest versions and release information. Return to work with new techniques you can apply immediately. See page 6 then enroll today at [ibm.com/training/conf](http://ibm.com/training/conf)

### IBM's Online Training Finder – Helps You to Zero in on Your Training Options



IBM offers thousands of courses in hundreds of locations – how do you find the training you need, offered in your area, in the timeframe you

require? Use IBM's handy Training Finder tool to zero in on your options. Go to [ibm.com/training](http://ibm.com/training), select Training Finder, then select "classroom," and then curriculum, location and timeframe. In minutes you'll have all the answers you need.

## ★Updated Courses

### OL49 System i Application Programming Facilities Workshop

Classroom with Hands-on Labs

**Updated to V6R1**

Gain an introduction to iSeries features and programming facilities, including:

- WebSphere Development Studio Client for iSeries (CODE Editor and Designer)
- Programming Development Manager (PDM)
- Source Entry Utility (SEU)
- Control Language (CL)
- iSeries access and iSeries navigator
- Interactive SQL

### AS30 System i Integration with BladeCenter and System x

Classroom with Hands-on Labs

**Now includes the latest labs**

Develop the skills you need to plan, install, configure, manage, and support running integrated servers on an Internet Small Computer System Interface (iSCSI) Host Bus Adapter (HBA) attached System x or BladeCenter servers, an Integrated xSeries Server (IXS), or an Integrated xSeries Adapter (IXA) attached xSeries Server. Learn the concepts, terminology, and hardware that are related to the System i integration environment. Through lecture topics and hands-on exercises, explore installation requirements and procedures, TCP/IP communication configuration, including Virtual Ethernet (VE), storage space, user id administration, backup and restore procedures, problem determination techniques, and look at high availability options.

### AS24 System Operator Workshop for System i

Classroom with Hands-on Labs

**Updated to V6R1**

Develop the skills you need to manage the day-to-day operations of the System i server. Learn how the System i server works from an end user point of view, at both a basic and intermediate level, so you can assist your users and manage system operations. Practice the skills you learn in hands-on lab exercises. Materials used in this course are based on V6R1.

### AS28 Backup and Recovery Media Services (BRMS) for System i

Classroom with Hands-on Labs

**Updated to V6R1**

This is an intermediate course for System i administrators, IBM Business Partners, and anyone else who would like practical knowledge of the features and functions supported by BRMS.

### AS93 IBM System Storage Solutions for i5/OS

Classroom with Hands-on Labs

**Updated to V6R1**

Learn about external storage that offers IBM i5/OS clients new capabilities for system recovery, improved capacity, and storage consolidation for multiple operating environments. Learn how to connect IBM System Storage to i5/OS in this hands-on technical course. Understand the components and terminology of the IBM DS8000, DS6000, and DS4000. Learn to plan for and implement i5/OS capability to Initial Program Load (IPL) or boot from Storage Area Network (SAN). Configure external storage for i5/OS using the DS Storage Manager Graphical User Interface (GUI) and the DS Command Line Interface (DS CLI). Understand how to use the DS8000 and DS6000 Copy Services advanced functions in high availability (HA) or disaster recovery (DR) environments.

### Systems Management Using System i Navigator

#### OS01 – Classroom with Hands-on Labs

**Now includes the latest labs**

This is an intermediate course for System i system operators, system administrators, and other individuals who manage the System i. It is for individuals whose duties include the management of messages, output, jobs, configuration, objects in the Integrated File System (IFS), security and backup; while using the Graphical User Interface (GUI) Navigator interface.

## OV24 System Operator Workshop for System i

Instructor-led Online

### Updated to V6R1

This course enables a new system operator to develop basic-to-intermediate-level skills needed for day-to-day operations of a System i. Specifically, the course explains how to:

- Use system displays, Control Language commands, messages, and Help Support
- Start and Stop the system
- Monitor and control jobs, output, and devices
- Use i5/OS and OS/400 security and save/restore functions
- Save and restore objects
- Resolve system problems
- Order, receive, and install Program Temporary Fixes (PTF)

## OV98 Introduction to System i for New Users

Instructor-led Online

### Now includes the latest labs

Develop the basic concepts and skills you need to be a productive user on the System i. With plenty of hands-on labs, learn everything from signing on to a green screen environment and using the various screens to finding printouts, to sending and receiving messages, to making sense of security. Learn to use i5/OS and OS/400 Control Language (CL) commands, as the fast path, and the menus and displays, for first time users or infrequently performed tasks. Also, learn to use the graphical user interface.

## AS08 Java for RPG Programmers

Classroom with Hands-on Labs

### Updated to V6R1

Gain an appreciation of Java programming. Learn about Java topics, such as the features of the Java platform, Object-Oriented Programming (OOP), the Java syntax, and the implementation of Java on iSeries. Along the way, compare concepts and syntax in Java with similar features in RPG to help make the transition easier.

## OW78 IBM WebSphere Application Server V6.1 Performance for System i

Classroom with Hands-on Labs

### Updated to WAS 6.1

This course is designed for System i professionals whose responsibilities include performance analysis and tuning for IBM WebSphere Application Server and System i based solutions.

## OW86 System i Application Development Using WDSC Version 7.0

Classroom with Hands-on Labs

### Updated to WDSC 7.0

The purpose of the course is to introduce System i application developers to using WebSphere Development Studio Client (WDSC) to develop System i host applications (RPG, COBOL, and CL). The lectures and hands-on exercises show System i developers to perform the same tasks they do in Program Development Manager (PDM) and/or Source Entry Utility (SEU) as well as highlight features that are unique to WDSC.

## It's Smarter for Companies to Train Than to Recruit



*Increased competition for the best workers is causing CEOs to focus on talent development and management as a top priority in 2009. One of the best ways for companies to keep skilled IT employees is to provide them with training opportunities. Read more about this issue in Winning the Battle for Talent at [ibm.com/training/us/talent](http://ibm.com/training/us/talent)*

## IBM Technical Conferences – Clients Tell Us That Attending is Time Well Spent



*To hear for yourself, visit [ibm.com/training/conf](http://ibm.com/training/conf) and click on "It's Time Well Spent". IBM offers technical conferences around the world this year. Also, check out our technical conferences listing on page 6.*

## Onsite Training from IBM – Let Us Bring the Training to You

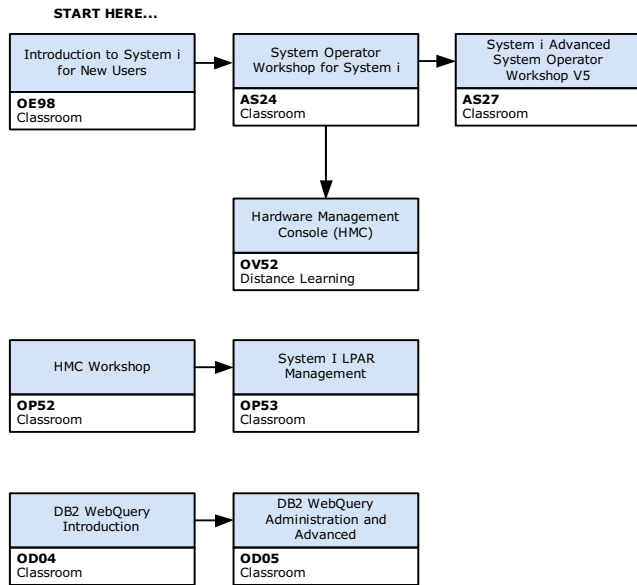


*IBM can provide convenient, cost-effective and customized training for groups as small as three to groups as large as 14 or more. Get the same quality education we deliver in our classrooms, brought right to your site or one that IBM arranges for you. Save money, enjoy greater flexibility, gain more control and achieve stronger results with Onsite Training from IBM. Get even greater savings by using an IBM Education Pack – see page 4. To talk with someone about an onsite class, contact an IBM Training Customer Service Representative.*

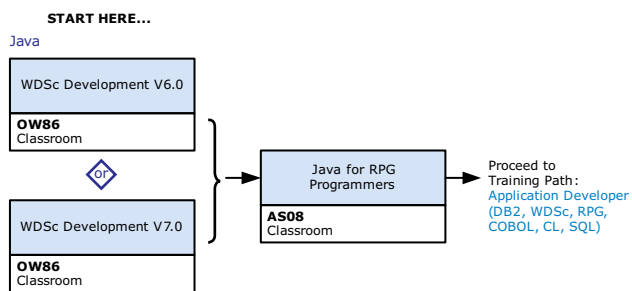


Our IBM System i curriculum helps you build critical skills quickly as you learn the latest features and functions through lectures, workshops and hands-on labs.

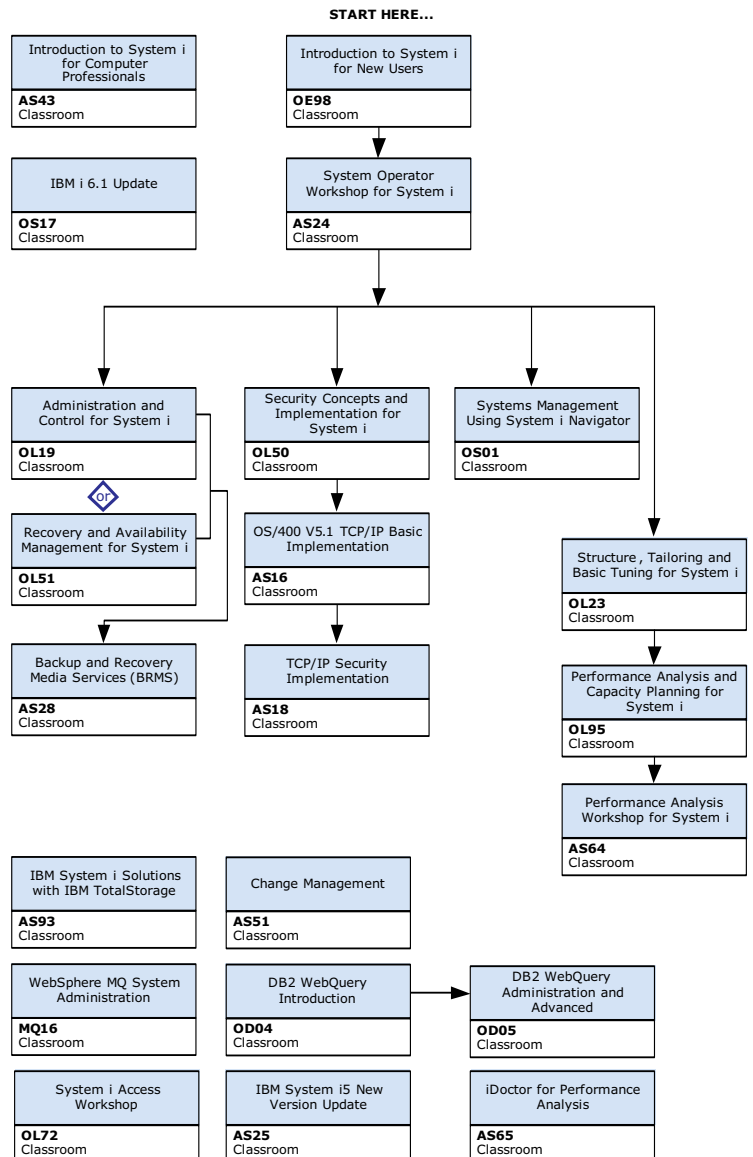
### System Operator



### WebSphere/Java Developers



### System Administrator

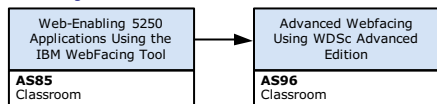


Distance Learning and ILO training not available in Australia/New Zealand.

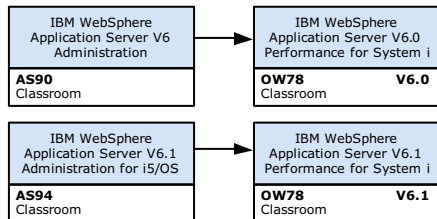
## WebSphere/Java Administrators

START HERE...

### WebFacing



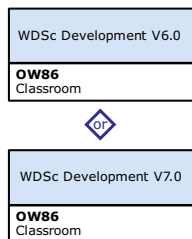
### WebSphere Application Server



### WebSphere Express

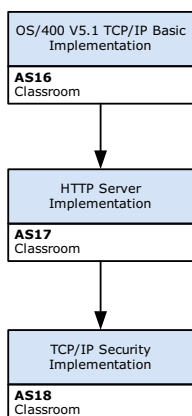


### WDSi



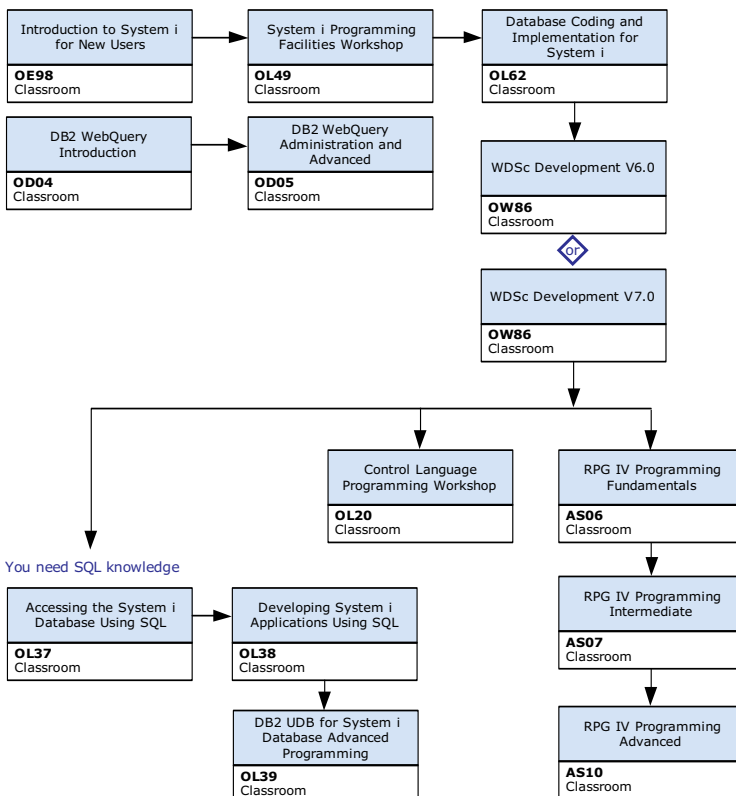
## Networking

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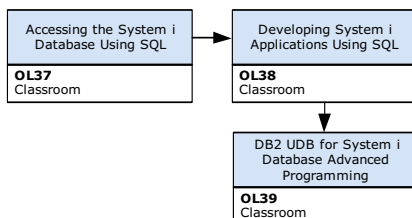


## Application Developer (DB2, WDSi, RPG, COBOL, CL, SQL)

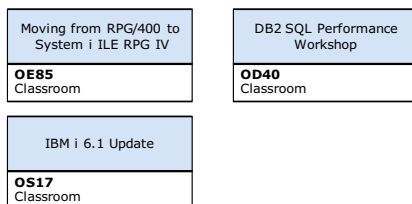
START HERE...



You need SQL knowledge



You are an experienced RPG Programmer



### Leading the Way With IBM System i Professional Certification



IBM Professional Certification is a way for skilled IT professionals to validate skills and demonstrate proficiency in the latest IBM technology and solutions. Training is an essential part of this process. Let IBM help you build the skills you need to formally solidify your credentials. Many IBM Technical Conferences (see page 6) offer attendees the chance to take certification exams at a significant discount. To learn more visit [ibm.com/certify](http://ibm.com/certify)

### The Difference is IBM Training for Systems



As IBM delivers new server and storage products, we are committed to providing worldwide training solutions that allow your company to implement quickly and smoothly, for a faster return on your investment. Our training addresses the skill gaps that result from increasingly complex, constantly evolving IT systems. We offer curricula designed to hone the skills necessary to enhance workforce performance, optimize mission-critical IT projects and prepare learners for industry-recognized certification examinations. Visit [ibm.com/training/au](http://ibm.com/training/au)

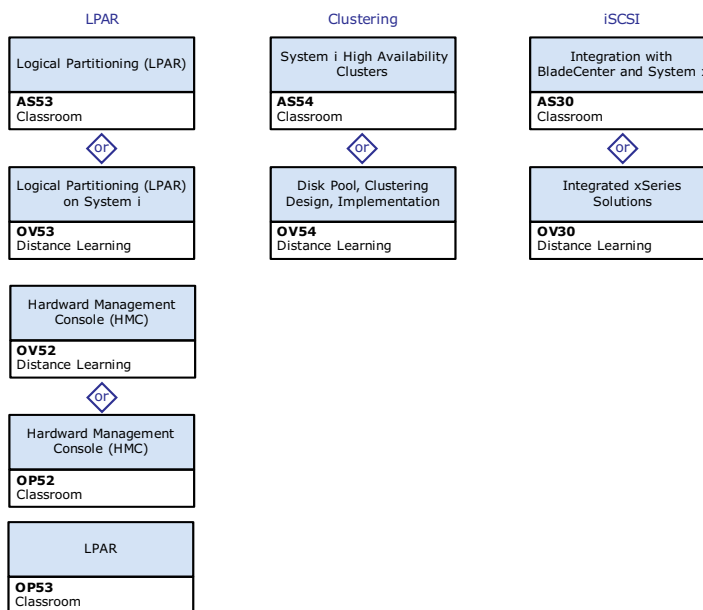
### Map Out Your Training With IBM System i Training Paths



IBM training paths guide you with the recommended sequence for completing a series of courses. They are designed, in many cases for specific target audiences, such as programmers, administrators and operators. Each box on a training path includes the course code, course title and how it is delivered. Take advantage of this valuable tool by visiting [ibm.com/training/us/trainingpaths](http://ibm.com/training/us/trainingpaths)

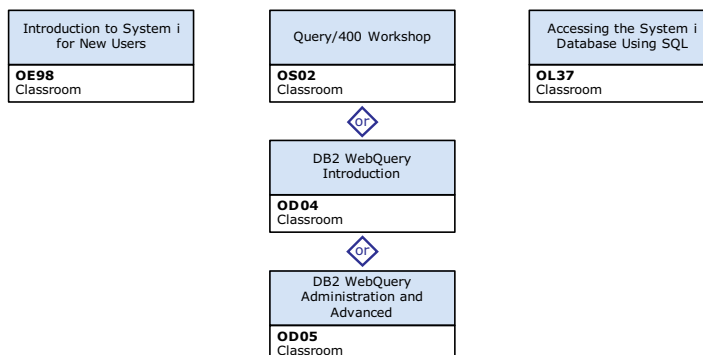
## Virtualization (LPAR, Linux, AIX, BladeCenter)

You are an experienced administrator

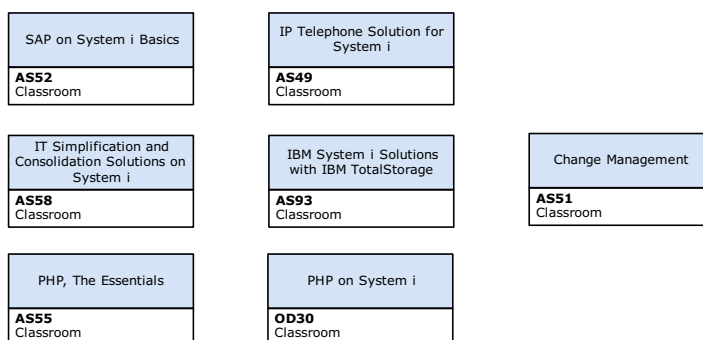


Distance Learning and ILO training not available in Australia/New Zealand.

## End User



## Solutions (SAP, PHP, IT Simplification)





# IBM System p, AIX and UNIX

Our popular System Administration courses are now updated to AIX 6.1 and are appropriate for both AIX 5L and AIX 6 system administrators based on Power Architecture™ technology.

## Curriculum Overview

IBM System p™ servers, with POWER6™ processors, demonstrate IBM's continued commitment to organizations of all sizes. In addition to energy conservation and virtualization technologies, System p servers offer jaw-dropping performance.

AIX operates on IBM Systems based on Power Architecture™ technology. Most of the new features of AIX 6.1 are available on the earlier POWER platforms, but the most capability is delivered on systems based on the new POWER6 processors.

AIX 6.1 extends the capabilities of the AIX OS to include new virtualization approaches including the ability to relocate applications between systems without restarting the application, new security features to improve and simplify security administration, new availability features inspired by IBM legacy systems and numerous features designed to make the AIX OS easier and less expensive to manage.

If you are a POWER5/AIX 5L Administrator who is responsible for managing an IBM System p POWER6 server, be sure to take a look at AN02: Implementing POWER6, Virtualization and AIX 6.1 for POWER5/AIX 5L Administrators.

We offer a complete and robust curriculum for AIX Users, System Administrators, Network Administrators, and HACMP Administrators to help them effectively understand and implement the latest technology.

Our training courses are created by experienced course developers with close ties to IBM's hardware and software developers.

### System Administration Courses

The System Administration courses provide the knowledge and skills to help System Administrators maximize system performance. System Administrators can learn about: installation and implementation; problem determination; performance management; storage management; logical partitioning; virtualization and a lot more.

### Network Administration Courses

The Network Administration courses provide the knowledge and skills to: configure TCP/IP; perform basic network installation management and problem determination.

### HACMP Administration Courses

IBM provides courses to teach you how to: plan, implement and troubleshoot HACMP effectively.

### Advanced POWER Virtualization and Logical Partitioning Courses

Our POWER Virtualization and LPAR courses teach System Administrators to: plan; install; implement advanced configurations; and measure, analyze, and tune AIX subsystems for optimal performance.

### Hands-on Labs

Most of our courses include plenty of hands-on lab exercises to reinforce the lectures and let you practice the skills taught in class. You will leave class with the added confidence that only comes from hands-on experience.

Be sure to visit our Web site to learn more. IBM is the right source for all of your System p and AIX training!

## Training Paths



The training paths on the following pages show the recommended sequence of courses within this curriculum.

Visit the IBM Training Web site in your country to view the most up-to-date training paths.

[ibm.com/training/au](http://ibm.com/training/au)

AIX Users

AIX System Administrators

AIX Network Administrators

High Availability Cluster Multi-Processing (HACMP) for System Administrators

AIX Performance Management

Linux on POWER

System p Advanced POWER Virtualization and Logical Partitioning

## IBM Training for Systems Helps You Go Green

### Implementing POWER6, Virtualization and AIX 6.1 for POWER5/AIX 5L Administrators (AN02)

"Going green" is a red hot topic in business today. Companies realize that transforming power hungry IT infrastructures into leaner, greener operations goes beyond altruism to bottom line realities. IBM is leading this green evolution with Project Big Green, a \$1 billion investment in new energy efficient products and services. Businesses that implement this green portfolio of products and services can expect energy savings. That translates into big green bucks for the bottom line! If you like to learn more about the features available with the new POWER6, HMC v7 and AIX 6.1 environments, check out this course.

IBM Training for Systems can help you go green. If you want to know more about how to optimize your IT environment by decreasing your energy consumption visit [ibm.com/training/us/greener](http://ibm.com/training/us/greener)

## 2009 IBM Technical Conferences

■ **IBM Power Systems Technical University Featuring AIX, Linux and IBM i**

Summer 2009 • USA

■ **IBM System Storage and Storage Networking Symposium**

July 27 – 31 • Chicago, Illinois

■ **IBM STG POWER Systems Technical Symposium**

August 17 – 21 • Bangkok, Thailand

August 23 – 28 • Perth, Australia

February 9 – 11 • Mumbai, India

For a list of 2009 IBM Technical Conferences, see page 6, or for more details, visit our Web site at

[ibm.com/training/conf](http://ibm.com/training/conf)

Visit [ibm.com/training/au](http://ibm.com/training/au) and select a country to see detailed descriptions and schedules.

Users		AUD
AU13	AIX Basics – <i>Updated to AIX 6.1</i>	C/H \$3,400
AY13	AIX 5L Basics	SP N/A
AL32	Korn and Bash Shell Programming	C/H \$4,500
AU24	Perl Programming for Open Systems and the World Wide Web	C/H \$4,500
System Administration		
AU14	AIX System Administration I: Implementation – <i>Updated to AIX 6.1</i>	C/H \$4,000
AY14	AIX 5L System Administration I: Implementation	SP N/A
AU16	AIX System Administration II: Problem Determination – <i>Updated to AIX 6.1</i>	C/H \$4,000
AY16	AIX 5L System Administration II: Problem Determination	SP N/A
AW18	AIX Jumpstart for UNIX Professionals – <i>Updated to AIX 6.1</i>	C/H \$4,500
★ AY28	AIX 5L Jumpstart for UNIX Professionals	SP N/A
AU07	AIX 5L TCP/IP I: Configuration	C/H \$4,500
AU08	AIX 5L Network Installation Management (NIM)	C/H \$1,800
AU18	AIX 5L System Administration III: Performance Management	C/H \$4,500
★ AY18	AIX 5L System Administration III: Performance Management	SP N/A
AU19	AIX 5L System Administration V: Workload Manager	C/H \$2,700
AU35	AIX 5L Kernel Internals	C/H \$4,500
★ AU47	Implementing AIX Security Features	C/H \$4,000
AU77	Analyzing and Tuning Complex AIX 5L Performance Issues	C/H \$4,500
Advanced POWER Virtualization and Logical Partitioning		
AN02	Implementing POWER6, Virtualization and AIX 6.1 for POWER5/AIX 5L Administrators	C/H \$4,250
★ AN03	Implementing POWER6 and HMC7 for POWER5 / AIX 5L Administrators	C/H \$2,700
★ AN04	Implementing AIX 6 for AIX 5L Administrators	C/H \$1,600
AT51	What's New in HACMP 5.4	C/H \$800
AU09	AIX 5L TCP/IP II: Problem Determination	C/H \$4,500
AU73	System p LPAR and Virtualization I: Planning and Configuration – <i>Now includes POWER6 virtualization enhancements including Partition Mobility and Multiple Virtual Shared Pools</i>	C/H \$4,500
AU78	System p LPAR and Virtualization II: Implementing Advanced Configurations <i>Updated to POWER6 and AIX 6.1</i>	C/H \$3,600
AW30	AIX 5L Advanced POWER Virtualization Certification Preparation Workshop	C \$1,400
AT30	AIX Advanced POWER Virtualization Certification Preparation Workshop	ILO N/A
AU75	System p LPAR and Virtualization III: Virtualization Performance Management	C/H \$4,500
AU79	Integrated Virtualization Manager (IVM)	C/H \$1,800
HACMP		
★ AU31	GPFS 3.1 System Administration	C/H \$2,700
AU54	HACMP System Administration I: Planning and Implementation <i>Updated to HACMP V5.4.1 and AIX 6.1</i>	C/H \$4,500
★ AY54	HACMP System Administration I: Planning and Implementation	SP N/A
AU61	HACMP System Administration II: Administration and Problem Determination <i>Updated to HACMP V5.4.1 and AIX 6.1</i>	C/H \$4,500
AU62	HACMP System Administration III: Virtualization and Disaster Recovery <i>Updated to HACMP/XD V5.4.1</i>	C/H \$3,600
AT51	What's New in HACMP V5.4	ILO N/A

★ New and Updated C = Classroom C/H = Classroom with Hands-on Labs  
ILO = Instructor-led Online Class SP = Self-paced Virtual Class (ILO and SP classes not available in Australia/New Zealand)

## ★ New Courses

### AN03 Implementing POWER6 and HMC7 for AIX 5L and POWER5 Administrators

#### Classroom with Hands-on Labs

Learn about the features that are available with the new POWER6 and Hardware Management Console (HMC) v7.

Through lectures and lab exercises, learn about the POWER6 hardware, the Hardware Management Console version 7, Integrated Virtual Ethernet, Host Ethernet Adapter (HEA) configuration, processor virtualization enhancements, donating and shared processor pools, virtual I/O server, and partition mobility.

If you are also interested in learning about the new features that are available in the AIX 6 operating system, then consider enrolling in Implementing POWER6, Virtualization and AIX 6.1 for POWER5 / AIX 5L Administrators (AN02).

### AN04 Implementing AIX 6 for AIX 5L Administrators

#### Classroom with Hands-on Labs

Learn about the features available in the AIX 6 operating system. Through lectures and lab exercises, learn about Workload partition management, the IBM Director Console for AIX and AIX 6.1 advanced security features.

If you are also interested in learning about the new features that are available in the new POWER6 and Hardware Management Console version 7, then consider enrolling in Implementing POWER6, Virtualization and AIX 6.1 for POWER5/AIX 5L Administrators (AN02).

### AU31 GPFS 3.1 System Administration

#### Classroom with Hands-on Labs

Learn to install, configure, and monitor a GPFS cluster. Through lectures and hands-on labs, learn about storage management, cluster management, high availability features, and information lifecycle tools.

The prices listed in this catalog are subject to change.

## AU47 Implementing AIX Security Features

### Classroom with Hands-on Labs

Learn about the AIX facilities to implement security and compliance policies. During this course you will discuss security implementation and learn to develop and distribute a security policy using the aixpert facility in AIX and LDAP. You will also learn about Role Based Access Control, Encrypted File System, and Trusted AIX.

## AY18 AIX 5L System Administration III: Performance Management

### Self-paced Virtual Class

Gain the skills to measure, analyze, and tune AIX subsystems for optimum performance through reading assignments, multimedia presentations, interactive real-time chats with an instructor, quizzes with instructor feedback, and perform hands-on labs on a remote, live AIX machine.

Learn how to manage the performance of AIX 5L and the performance of applications running under AIX 5L. Examine performance management concepts and techniques and the use of standard AIX tools (sar, iostat, vmstat, netstat, and tuning commands such as schedo, vmo, no and ioo). Also, learn to use advanced AIX performance tools (tprof, svmon, and filemon). Learn how to run and use the Performance Problem Reporting tool (PerfPMR) to document and then analyze performance problems.

The course and the labs are available 24 hours a day. Online instructor help is available Monday through Friday from 9:00 a.m. to 5:00 p.m. ET. The self-paced format gives you the opportunity to complete the course at your convenience, at any location, and at your own pace. Before enrolling, review the Machine Requirements to be sure your system meets the minimum hardware requirements for this course.

Self-paced Virtual Classes not available in Australia/New Zealand

## AY28 AIX 5L Jumpstart for UNIX Professionals

### Self-paced Virtual Class

Learn to install, customize, and administer the AIX 5L Version 5.3 operating system.

The course and the labs are available 24 hours a day. Online instructor help is available Monday through Friday from 9:00 a.m. to 5:00 p.m. ET.

The self-paced format gives you the opportunity to complete the course at your convenience, at any location, and at your own pace.

## AY54 HACMP System Administration I: Planning and Implementation

### Self-paced Virtual Class

Learn to install and configure a highly available cluster using HACMP for AIX 5L through reading assignments, multimedia presentations, interactive real-time chats with an instructor, quizzes with instructor feedback, and perform hands-on labs on a remote, live AIX machine.

The course and the labs are available 24 hours a day. Online instructor help is available Monday through Friday from 9:00 a.m. to 5:00 p.m. ET.

The self-paced format gives you the opportunity to complete the course at your convenience, at any location, and at your own pace.

## IBM Technical Conferences – Clients Tell Us That Attending is Time Well Spent



To hear for yourself, visit [ibm.com/training/conf](http://ibm.com/training/conf) and click on "It's Time Well Spent". IBM offers technical conferences around the world this year.

Also, check out our technical conferences listing on page 6.

## Onsite Training from IBM – Let Us Bring the Training to You



IBM can provide convenient, cost-effective and customized training for groups as small as three to groups as large as 14 or more. Get the same quality education we deliver in our classrooms, brought right to your site or one that IBM arranges for you. Save money, enjoy greater flexibility, gain more control and achieve stronger results with Onsite Training from IBM. Get even greater savings by using an IBM Education Pack – see page 4. To talk with someone about an onsite class, contact an IBM Training Customer Service Representative.

## It's Smarter for Companies to Train Than to Recruit



Increased competition for the best workers is causing CEOs to focus on talent development and management as a top priority in 2009. One of the best ways for companies to keep skilled IT employees is to provide them with training opportunities. Read more about this issue in *Winning the Battle for Talent* at [ibm.com/training/us/talent](http://ibm.com/training/us/talent)



IBM's System p training helped me to successfully consolidate workloads onto fewer systems, lower costs and be more efficient with our IT funding.

### The Greening of IBM Training



Transitioning to a green data center is more than just an altruistic gesture – it's now clear that going green is a necessity companies will need to embrace to reduce infrastructure costs and remain competitive economically. Incorporating IT training into the process will be instrumental in maximizing the return on investment in the hardware and software needed to operate these new, energy-efficient data centers. Are you ready to follow? High-intensity learning experiences have been developed for IBM System z, IBM POWER 6™ processors, IBM BladeCenter and IBM System Storage & TotalStorage to address a range of IT staff skill needs. Learn more about the Greening of IBM Training at [ibm.com/training/us/green](http://ibm.com/training/us/green)

### Critical Business Drivers Demand Training



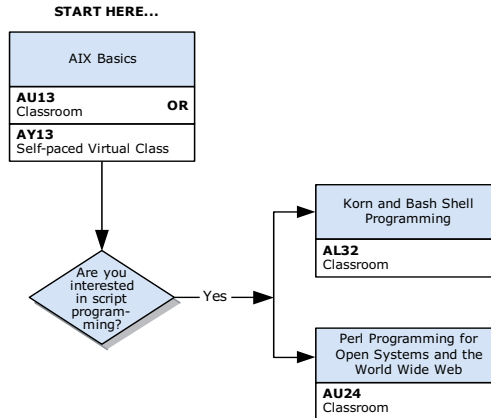
Up-to-date technology skills form the foundation for any successful technology implementation. But technological competence

is a moving target. New products and platform upgrades quickly lead to skill obsolescence, and competition for talent ratchets up the need for high-quality training. Buy training when you buy technology, because:

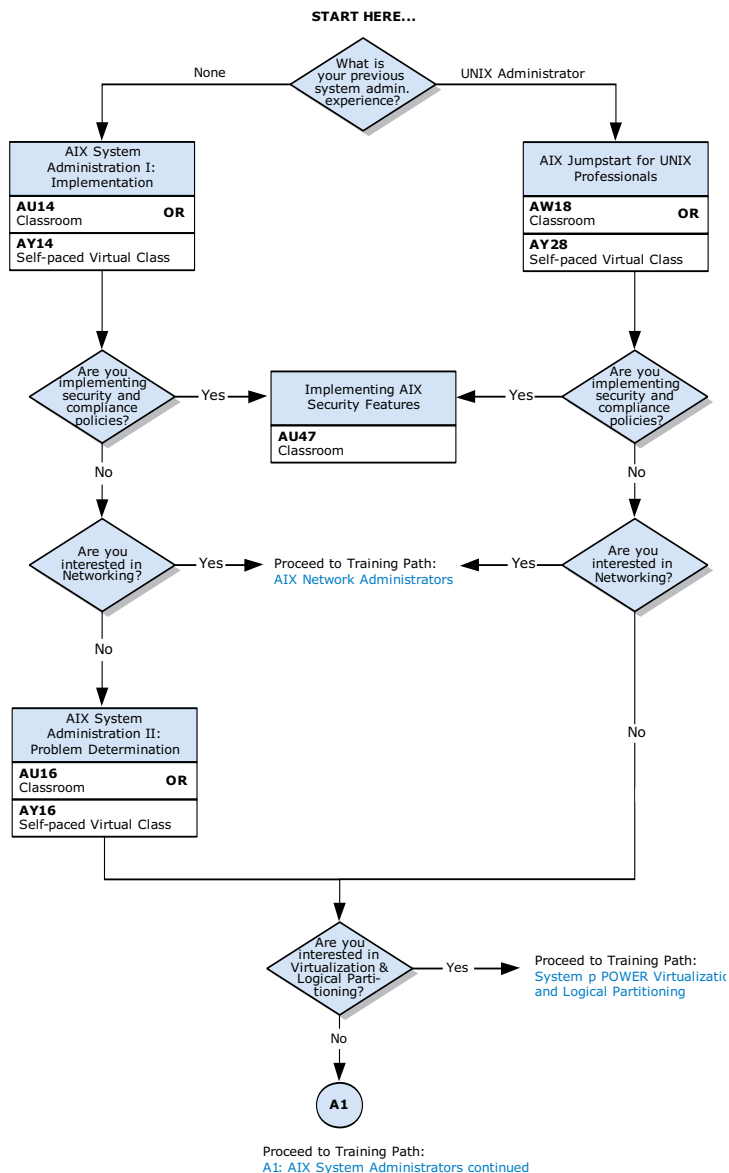
- Technology skills are quickly outdated
- Today's technologies are complex
- Competition for key talent is fierce
- It's smarter to train than recruit

When training is added to an IBM solution, your company can install systems and applications more efficiently, integrate them more effectively, reap the benefits sooner, and stay competitive. Choose IBM for your training needs, and you're choosing a training partner with an uncommon commitment to your success. Visit [ibm.com/training/perspectives](http://ibm.com/training/perspectives) to learn more.

## AIX Users

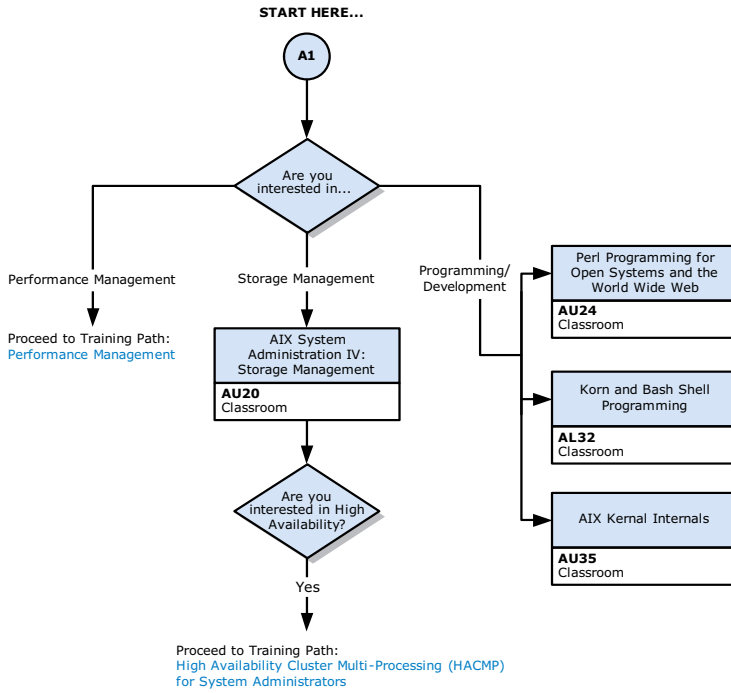


## AIX System Administrators

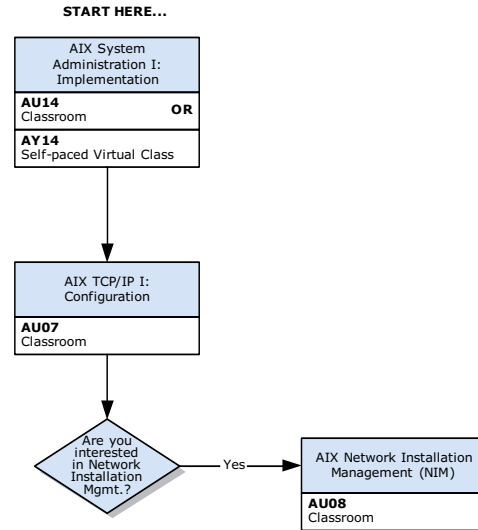


Self-paced Virtual Classes not available in Australia/New Zealand

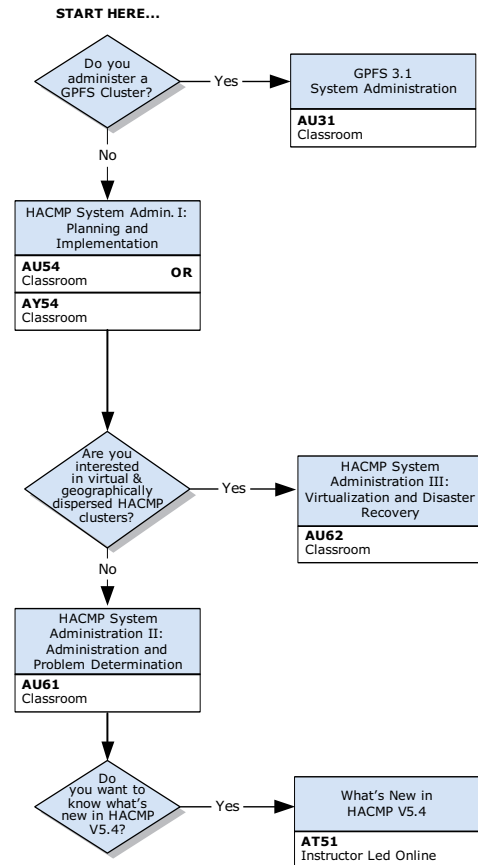
### AIX System Administrators (continued)



### AIX Network Administrators

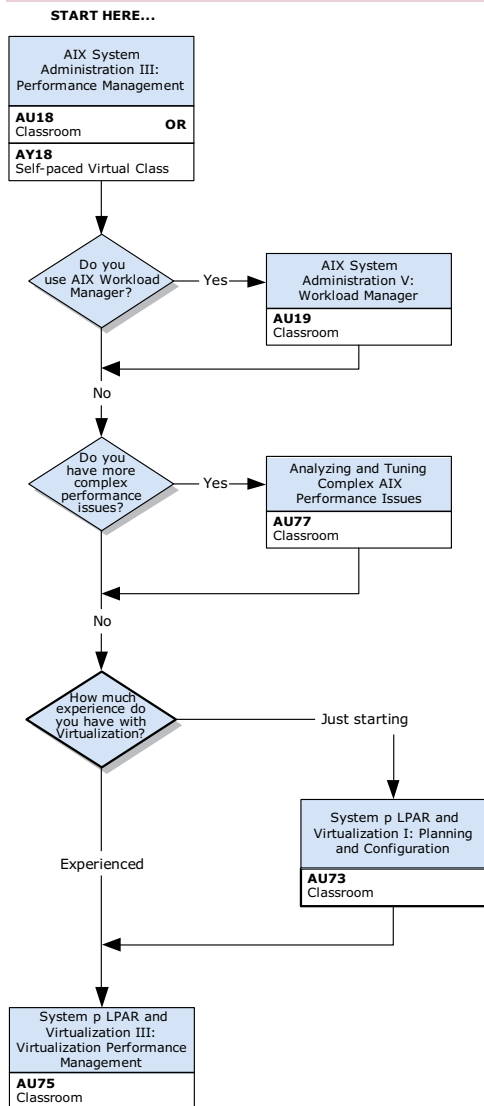


### High Availability Cluster Multi-Processing (HACMP) for System Administrators

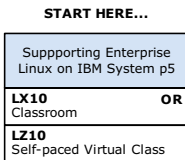


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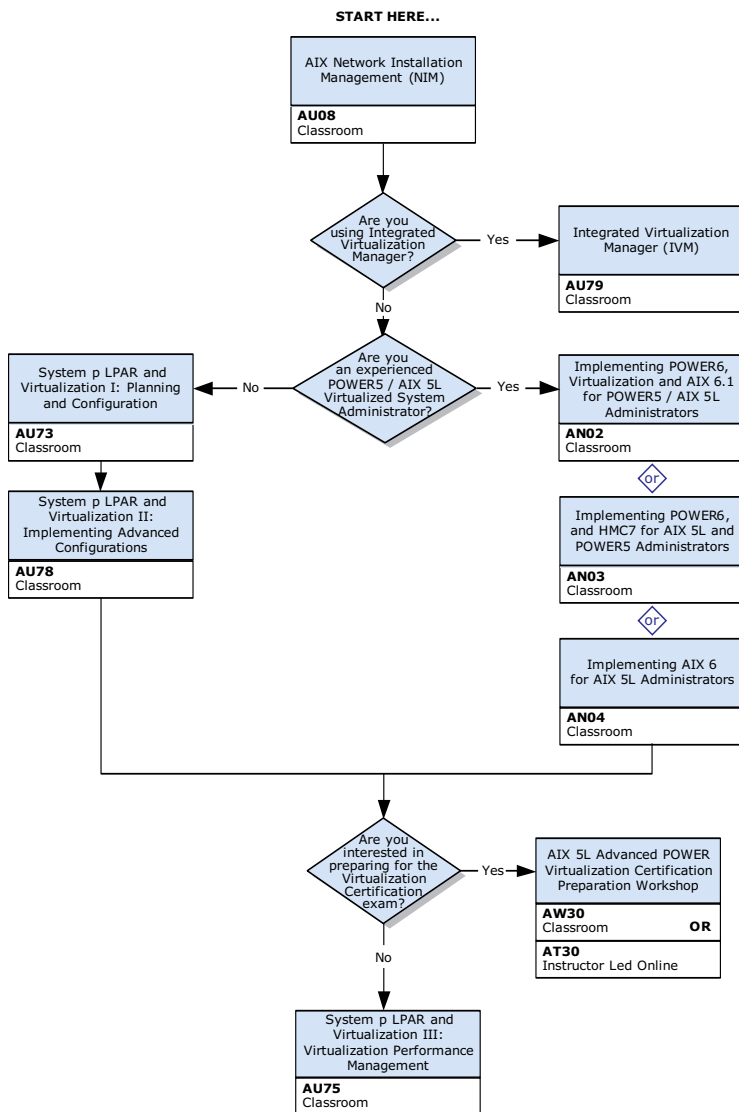
### AIX Performance Management



### Linux on POWER



### System p Advanced POWER Virtualization and Logical Partitioning



Self-paced Virtual Classes not available in Australia/New Zealand



# Linux

## Curriculum Overview

There are many Linux training providers, but there are few that can match the experience of IBM's Linux instructors and the maturity of our course content. Most of our courses provide hands-on labs based on the two leading Linux distributions, Red Hat Linux or Novell SUSE Linux. The choice is yours.

## Linux Professional Institute (LPI) Approved Training Materials

With so many Linux training vendors, you need the assurance that you are getting quality training. IBM is one of a select few vendors that offers courseware designated as LPI Approved Training Materials (LATM). Products designated as LATM have passed stringent quality assurance testing to assure all LPI test objectives are covered within the content. In fact, LPI recommends that certification candidates seek LPI Approved Training Materials to optimize your ability to pass the exam.

IBM provides a complete curriculum that prepares you for the Linux Professional Institute's (LPI) Level I and Level II exams. IBM is the right choice for your Linux training!

## Training Paths



The training paths on the following pages show the recommended sequence of courses within this curriculum.

Visit the IBM Training Web site in your country to view the most up-to-date training paths.

[ibm.com/training/au](http://ibm.com/training/au)

Linux Users

Linux System Administrators

Preparation for Linux Professional Institute (LPI) Certification

Linux Topics for Developers and e-business

UNIX and Open Source

Linux on POWER

## IBM Training for Systems Helps You Go Green

### Implementing POWER6, Virtualization and AIX 6.1 for POWER5/AIX 5L Administrators (AN02)

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## 2009 IBM Technical Conferences

- **IBM Power Systems Technical University Featuring AIX, Linux and IBM i**  
Summer 2009 • USA
- **IBM System Storage and Storage Networking Symposium**  
July 27 – 31 • Chicago, Illinois
- **IBM STG POWER Systems Technical Symposium**  
August 23 – 28 • Perth, Australia

For a list of 2009 IBM Technical Conferences, see page 6, or for more details, visit our Web site at [ibm.com/training/conf](http://ibm.com/training/conf)

The prices listed in this catalog are subject to change.

Visit [ibm.com/training/au](http://ibm.com/training/au) and select a country to see detailed descriptions and schedules.

System Administration		AUD
★ LX02	Linux Basics and Installation – <i>Updated to RHEL52 SLES10sp2 and Fedora 8</i>	C/H \$3,500
LZ02	Linux Basics and Installation	SP N/A
LZ12	Linux Basics and Installation – Lite	SP N/A
★ LX03	Linux System Administration I: Implementation <i>Updated to RHEL52 SLES10sp2 and Fedora 8</i>	C/H \$3,750
LZ03	Linux System Administration I: Implementation	SP N/A
LZL3	Linux System Administration I: Implementation – Lite	SP N/A
★ LX07	Linux Network Administration I: TCP/IP and TCP/IP Services <i>Updated to RHEL52 SLES10sp2 and Fedora 8</i>	C/H \$4,000
LZ07	Linux Network Administration I: TCP/IP and TCP/IP Services	SP N/A
LXL7	Linux Network Administration I: TCP/IP and TCP/IP Services – Lite	SP N/A
★ LX15	Linux Jumpstart for UNIX System Administrators <i>Updated to RHEL52 SLES10sp2 and Fedora 8</i>	C/H \$3,200
LZ05	Linux Jumpstart for UNIX System Administrators	SP N/A
LX37	Linux LPI Level 1 Certification Preparation Workshop	C/H \$1,600
UNIX and Open Source		
AL32	Korn and Bash Shell Programming	C/H \$4,500
AU24	Perl Programming for Open Systems and the World Wide Web	C/H \$4,500
Developers and e-business		
LX24	Linux Network Administration II: Network Security and Firewalls	C/H \$4,000
LX25	Linux as a Webserver (Apache)	C/H \$2,400
LX26	Linux Integration with Windows (Samba)	C/H \$2,400
Linux on POWER		
LX10	Supporting Enterprise Linux on IBM System p5	C/H \$4,000
★ LZ10	Supporting Enterprise Linux on IBM System p5	SP N/A

★ New and Updated C/H = Classroom with Hands-on Labs SP = Self-paced Virtual Class (not available in Australia/New Zealand)

### ★ New Course

#### LZ10 Supporting Enterprise Linux on IBM System p5

##### Self-paced Virtual Class

Learn about the installation, configuration, administration, and troubleshooting of SUSE Linux Enterprise Server 9 and Red Hat Enterprise Linux Advanced Server 4 on IBM p5 technology-based systems. Course activities include installing, configuring, administering, and troubleshooting Linux in a partitioned system environment.

The course and the labs are available 24 hours a day. Online instructor help is available Monday through Friday from 9:00 a.m. to 5:00 p.m. ET.

The self-paced format gives you the opportunity to complete the course at your convenience, at any location, and at your own pace.

### ★ Updated Courses

#### LX02 Linux Basics and Installation

##### Classroom with Hands-on Labs

##### *Updated to RHEL52, SLES10sp2, and Fedora 8*

Learn how to install and configure Red Hat or SUSE Linux on your personal workstation and how to use this workstation in your day-to-day business. Learn about file management, shell basics, process monitoring, and basic system configuration.

This course has been approved by the Linux Professional Institute (LPI) as LPI-approved training materials.

### LX03 Linux System Administration I: Implementation

##### Classroom with Hands-on Labs

##### *Updated to RHEL52, SLES10sp2, and Fedora 8*

If you are an experienced Red Hat, Fedora, or SUSE Linux user, learn the techniques, methods and policies in both Red Hat and SUSE Linux system administration.

This course has been approved by the Linux Professional Institute (LPI) as LPI-approved training materials.

### LX07 Linux Network Administration I: TCP/IP and TCP/IP Services

##### Classroom with Hands-on Labs

##### *Updated to RHEL52, SLES10sp2, and Fedora 8*

Learn to be an effective network administrator for Linux(TM). Learn the fundamentals of TCP/IP and Linux networking. Become productive in setting up or running a network that uses Linux systems. Learn how to perform TCP/IP network configuration and administration on Linux systems and how to detect and solve problems in a TCP/IP environment.

You can choose to perform the lab exercises on either a Red Hat or SUSE platform.

### LX15 Linux Jumpstart for UNIX System Administrators

##### Classroom with Hands-on Labs

##### *Updated to RHEL52, SLES10sp2, and Fedora 8*

Learn how to transfer your generic UNIX system administration skills to the administration of Fedora and Red Hat Enterprise Linux (RHEL) and/or SUSE Linux.

The prices listed in this catalog are subject to change.

## Linux Users

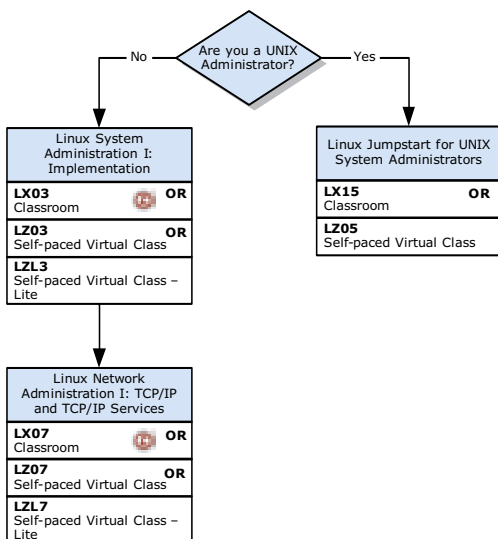
START HERE...

Linux Basics and Installation	
LX02 Classroom	OR
LZ02 Self-paced Virtual Class	OR
LXL2 Self-paced Virtual Class - Lite	

Visit Ipi.org for more information about the LPI Certification Program.

## Linux System Administrators

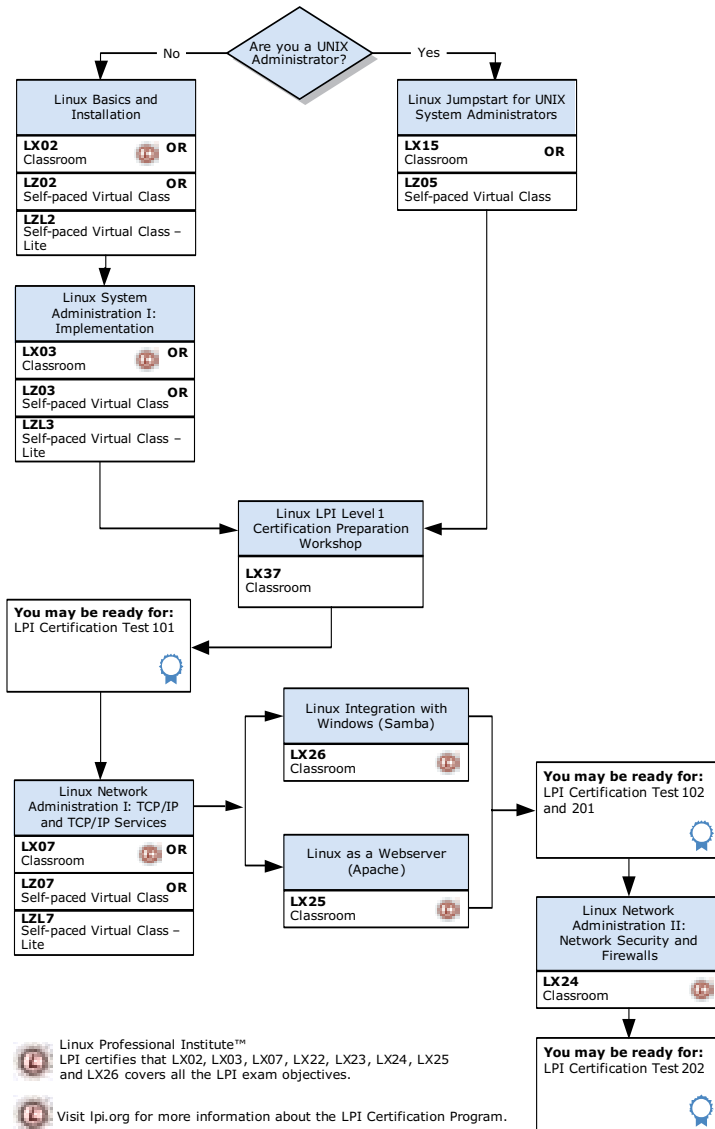
START HERE..



Visit Ipi.org for more information about the LPI Certification Program.

## Preparation for Linux Professional Institute (LPI) Certification

START HERE...



Linux Professional Institute™ LPI certifies that LX02, LX03, LX07, LX22, LX23, LX24, LX25 and LX26 covers all the LPI exam objectives.

Visit Ipi.org for more information about the LPI Certification Program.

Self-paced Virtual Classes not available in Australia/New Zealand

### Leading the Way With Linux Professional Certification



IBM Professional Certification is a way for skilled IT professionals to validate skills and demonstrates proficiency in the latest IBM technology and solutions. Training is an essential part of this process. Let IBM help you build the skills you need to formally solidify your credentials. Many IBM Technical Conferences (see page 6) offer attendees the chance to take certification exams at a significant discount. To learn more visit [ibm.com/certify](http://ibm.com/certify)

### 2009 IBM Technical Conferences Schedule



Staying current on technology and product changes can be difficult. IBM technical conference attendees tell us that they get what they need at these events – updated sessions with the newest versions and release information. Return to work with new techniques you can apply immediately. See page 6 or enroll today at [ibm.com/training/conf](http://ibm.com/training/conf)

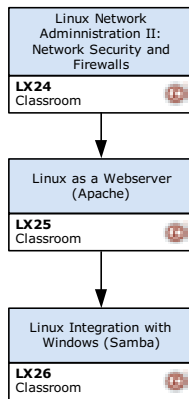
### Expand Your Onsite Training Experience With Instructor Mentoring



Did you know that you can get additional customized training following an onsite class with instructor mentoring from IBM? You have the option of having your instructor remain at your site to mentor individuals in depth on portions of a class for an additional fee. This mentoring offering can be arranged prior to the onsite training class or left to the discretion of the instructor and students at the conclusion of the class. It's a great way to further customize the onsite learning process to meet your organization's unique needs. For more details visit [ibm.com/training/au](http://ibm.com/training/au)

## Linux Topics for Developers and e-business

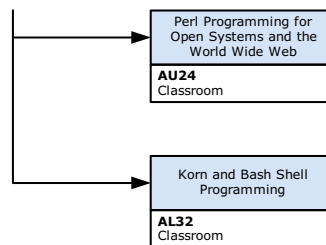
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Visit [lpi.org](http://lpi.org) for more information about the LPI Certification Program.

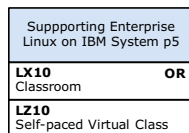
## UNIX and Open Source

START HERE...



## Linux on POWER

START HERE...



Self-paced Virtual Classes not available in Australia/New Zealand

# IBM System Storage and Storage Networking



## Curriculum Overview

To stay competitive in today's marketplace, companies need storage technologies that can quickly adapt to ever-changing processing requirements. Making the appropriate investments in network-based virtualization and replication is an important step. Providing the right training to IT professionals is the next step. IBM offers an integrated and comprehensive set of courses covering a wide range of storage products and solutions. This includes courses for SANs, NAS and storage virtualization.

**The IBM System Storage and Storage Networking curriculum enables you to maintain your leading-edge skills in storage technologies such as:**

- Storage Area Networks (SAN)
- Network Attached Storage (NAS)
- SAN Volume Controller (SVC)
- TotalStorage Productivity Center (TPC)
- IBM System Storage DS Family
- Storage Management Software
- ESCON/FICON

## Network-based Virtualization, Replication and Consolidation

If you need to get training to support network-based virtualization, replication and consolidation techniques, these courses are for you and all of them can be delivered at your location.

- Introduction to Storage Networking (SN70)
- Planning and Implementing a Storage Area Network (SAN) (SN71)
- Supporting IBM N series (SN78)
- Data ONTAP CIFS and NFS Administration (SN79)
- SAN Volume Controller (SVC) – Planning and Implementation (SN82)
- SAN Volume Controller (SVC) – Planning and Implementation Workshop (SN83)
- IBM TotalStorage Productivity Center Implementation and Configuration (SN85)
- TotalStorage Productivity Center for Replication Workshop (SN88)

## IBM Disk Storage Systems

If you need to get training to install and maintain one of IBM's Disk Storage Systems, these courses are for you and all of them can be delivered at your location.

- Getting Started with the IBM System Storage DS4000 Storage Server (SS78)
- Hands-on Technical Training for DS4000 (SS77)
- IBM DS4000 Advanced Workshop (SS79)
- IBM System Storage DS6000 Implementation Workshop for Open Systems (SS48)
- IBM System Storage DS8000 Implementation Workshop for Open Systems (SS49)
- IBM System Storage DS6000 Implementation Workshop for System z (SS58)
- IBM System Storage DS8000 Implementation Workshop for System z (SS59)
- IBM System Storage DS6000 and DS8000 Copy Services for Open Systems (SS44)
- IBM System Storage DS6000 and DS8000 Copy Services for System z (SS54)

## 2009 IBM Technical Conferences

- **IBM System Storage and Storage Networking Symposium**  
July 27 – 31 • Chicago, Illinois

For a list of 2008 and 2009 IBM Technical Conferences, see page 6, or for more details, visit our Web site at [ibm.com/training/conf](http://ibm.com/training/conf)

## IBM Training for Systems Helps You Go Green

“Going green” is a red hot topic in business today. Companies realize that transforming power hungry IT infrastructures into leaner, greener operations goes beyond altruism to bottom line realities. IBM is leading this green evolution with Project Big Green, a \$1 billion investment in new energy efficient products and services. Businesses that implement this green portfolio of products and services can expect energy savings. That translates into big green bucks for the bottom line! If you like to learn more about storage courses that cover green products, check out these courses:

- SS59 IBM System Storage DS8000 Implementation Workshop for System z
- SN83 SAN Volume Controller (SVC) Planning and Implementation Workshop
- SN85 IBM TotalStorage Productivity Center Implementation and Configuration

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## Training Paths



The training paths on the following pages show the recommended sequence of courses within this curriculum.

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Storage Management in the IBM System z Environment

Storage Area Network (SAN) Virtualization and Consolidation Techniques

Storage Management in the Open Systems Environment

IBM Certified Specialist – High End Disk Solutions

IBM Certified Specialist – Open Systems Storage Solutions

IBM Certified Specialist – TotalStorage Networking and Virtualization Architecture

IBM Certified Specialist – Storage Networking Solutions

IBM Certified Specialist – High End Tape Solutions

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Storage	AUD
★ SS05 An Introduction to Data Storage Subsystems – <i>Updated to current hardware</i>	C \$1,600
★ SS06 Fundamentals of Storage Management – <i>Updated to current DFSMS functions</i>	C/H \$2,400
SS07 IBM System Storage Solutions for System i for Storage Professionals	C/H \$1,600
SS26 IBM Virtualization Engine TS7700 Planning and Implementation	C \$1,600
SS27 IBM System Storage Tape Encryption Implementation	C \$1,600
★ SS44 IBM System Storage DS6000 and DS8000 Copy Services for Open Systems <i>Updated to DS8000 R3</i>	C/H \$3,200
SS48 IBM System Storage DS6000 Implementation Workshop for Open Systems	C/H \$2,400
★ SS49 IBM System Storage DS8000 Implementation Workshop for Open Systems <i>Updated to DS8000 R3</i>	C/H \$2,400
★ SS54 IBM System Storage DS6000 and DS8000 Copy Services for System z Environment <i>Updated to DS8000 R3</i>	C/H \$3,200
SS58 IBM System Storage DS6000 Implementation Workshop for System z	C/H \$1,800
★ SS59 IBM System Storage DS8000 Implementation for System z – <i>Updated to DS8000 R3</i>	C/H \$1,800
SS77 Hands on Technical Training for DS4000	C/H \$2,400
SS78 Getting Started with the IBM System Storage DS4000 Storage Server	C \$1,800
SS79 IBM DS4000 Advanced Workshop	C/H \$2,400
★ SS81 Catalog Management and Availability in z/OS – <i>Updated to current release of z/OS</i>	C \$3,200
★ SS83 z/OS VSAM and Access Method Services – <i>Updated to current release of z/OS</i>	C/H \$4,000
SS84 DFSMS Implementation	C/H \$4,000
SS86 DFSMSHsm Implementation	C/H \$4,000
SSW5 IBM High End Disk Solutions for Open System Technical Workshop	C/H N/A
<b>Storage Networking and Virtualization</b>	
SN70 Introduction to Storage Networking	C/H \$1,600
SN71 Planning and Implementing a Storage Area Network (SAN) – <i>Updated for new SAN hardware</i>	C \$2,400
SN78 Supporting IBM N series	C/H \$4,500
SN79 Data ONTAP CIFS and NFS Administration	C/H \$2,400
SN82 SAN Volume Controller (SVC) – Planning and Implementation	C \$2,400
SN83 SAN Volume Controller (SVC) – Planning and Implementation Workshop	C/H \$3,200
★ SN85 IBM TotalStorage Productivity Center Implementation and Configuration <i>Updated to TPC 3.3.2</i>	C/H \$3,200
★ SN88 TotalStorage Productivity Center for Replication Workshop – <i>Updated to TPC 3.4</i>	C/H \$3,200

★ New and Updated C = Classroom C/H = Classroom with Hands-on Labs  
\*Visit [ibm.com/training/au](http://ibm.com/training/au) for more information.

## ★ Updated Courses

### SS05 An Introduction to Data Storage Subsystems

Classroom

#### Updated to current hardware

Do you need to learn about the architecture associated with z/OS data storage devices that includes the media characteristics of current Direct Access Storage Device (DASD) and tape subsystems? In this entry-level course, look at how data is stored on traditional DASD (3380's and 3390's) and how traditional DASD concepts are emulated in today's array disk technology (specifically, the Enterprise Storage Server). Also, examine the flow of an Input/Output (I/O) operation and how concepts, such as caching, remote mirroring, and point-in-time backups work. Review the current tape subsystems and how data is stored in a Virtual Tape Server.

### SS06 Fundamentals of Storage Management

Classroom with Hands-on Labs

#### Updated to current DFSMS functions

Do you need an overview of how to develop and implement storage management strategies in z/OS? Do you need to know how to perform storage management tasks such as managing media, managing data, managing space, and managing availability? Learn all that, in addition to how to use the Interactive Storage Management Facility (ISMF) and how to understand Automatic Class Selection (ACS) routines. Discuss system-managed DFSMS and non-system managed environments. Reinforce the concepts discussed in lecture during hands-on labs.

### SS44 IBM System Storage DS6000 and DS8000 Copy Services for Open Systems

Classroom with Hands-on Labs

#### Updated to DS8000 R3

Get detailed information on the IBM TotalStorage DS8000 or DS6000 Copy Services functions and the procedure required to implement these functions in an open systems environment. Perform FlashCopies and set up Metro Mirror, Global Copy and Global Mirror volumes within a configured DS8000. Use Global Copy. Study the methods for performing these functions using the DS Copy Services Command Line Interface (DSCLI) and Storage manager Graphical User Interface (GUI).

Access data on target host subsystems and practice procedures to effectively access data while the source volumes are in active use by the source host. Use both Windows based and pSeries, AIX based servers connected using Storage Area Network (SAN) fabric to the DS8000 and DS6000 storage subsystems. Perform a variety of hands-on labs to build skills in DSCLI command use and learn procedures required to copy data and access valid target volumes on alternate hosts.

### SS49 IBM System Storage DS8000 Implementation Workshop for Open Systems

Classroom with Hands-on Labs

#### Updated to DS8000 R3

Learn about the DS8000 storage subsystem and its hardware components and logical structure for Open Systems hosts. You will configure hosts and fixed block Logical Unit Numbers (LUNs) for the DS8000 storage subsystem using a DS8000 Storage Manager Graphical User Interface (GUI) and review the DS Command-Line Interface (DSCLI) interface for scripting configuration functions. Configuration can be handled online or offline, with import and export capabilities for configuration files created in the offline configuration simulator. This course will introduce the DS8000 and its hardware components and teach you the process of configuring the subsystem using the DS8000 GUI or DSCLI interfaces.

**SS54 IBM System Storage DS6000 and DS8000 Copy Services for System z Environment**

Classroom with Hands-on Labs

**Updated to DS8000 R3**

This course covers the planning and implementation of the IBM System Storage Copy Services Solutions using DS8000, DS6000 and ESS hardware in the System z environment.

**SS59 IBM System Storage DS8000 Implementation for System z**

Classroom with Hands-on Labs

**Updated to DS8000 R3**

Discuss installation and maintenance of the IBM System Storage DS8000 in a System z environment.

Learn about the high level design of the IBM System Storage DS8000 series and identify the installation and customization tasks that are necessary to install and exploit the technology. Explore the components of the IBM System Storage DS8000, including the 2107 server, the Storage Management Console (SMC), IBM System Storage DS8000 Storage Manager (DS Storage Manager) software, and the terminology of the IBM System Storage DS8000 including, Disk Drive Modules (DDMs), array site, array, rank, extent pool, and logical volume.

Learn how to install, cable, and configure the DS8000 system using the IBM System Storage DS Storage Manager Graphical User Interface (GUI) and the IBM System Storage DS Command-Line Interface (DS CLI). Complete labs on the DS Storage Manager using the offline simulator mode of the DS Storage Manager.

**SS81 Catalog Management and Availability in z/OS**

Classroom

**Updated to current release of z/OS**

Learn about catalog management and availability issues of Integrated Catalog Facility (ICF) catalogs in the z/OS environment. Examine Parallel Sysplex considerations and discuss the influence of System Managed Storage (SMS) on catalogs. Analyze a comparison of catalog caching techniques. Compare the efficiency of two catalog sharing modes: Virtual Storage Access Method (VSAM) Volume Data Set (VVDS) Mode and Enhanced Catalog Sharing (ECS) Mode.

Explore the provided examples using Access Method Services (IDCAMS) commands such as REPRO, EXPORT, IMPORT, EXPORT DISCONNECT, IMPORT CONNECT, and ALTER. Discuss catalog, VVDS, and Volume Table Of Contents (VTOC) structures. Emphasize systematic error diagnosis, recovery, and backup procedures. Learn about sizing and performance considerations.

**SS83 z/OS VSAM and Access Method Services**

Classroom with Hands-on Labs

**Updated to current release of z/OS**

Learn to manage Virtual Storage Access Method (VSAM) and non-VSAM data sets. Particularly emphasize coding and using the functions of the IDCAMS program. Lab exercises enable you to code and test selected IDCAMS commands, such as DEFINE, REPRO, ALTER, and LISTCAT.

**SN85 IBM TotalStorage Productivity Center Implementation and Configuration**

Classroom with Hands-on Labs

**Updated to TPC 3.3.2**

The IBM TotalStorage Productivity Center (TPC) is an open storage infrastructure management solution designed to help reduce the effort of managing complex storage infrastructures, to help improve storage capacity utilization, and to help improve administrative efficiency. It is designed to enable an agile storage infrastructure that can respond to on demand storage needs.

Discuss installation, configuration, and the administration of the TPC suite. You are grouped in teams to perform hands-on labs to install, configure, and administer the IBM TotalStorage Productivity Center suite with a focus on the related hardware including the SAN Volume Controller. Teams prepare for installation in their own environment and perform hands-on labs to experience some features of the suite.

**SN88 TotalStorage Productivity Center for Replication Workshop**

Classroom with Hands-on Labs

**Updated to TPC 3.4**

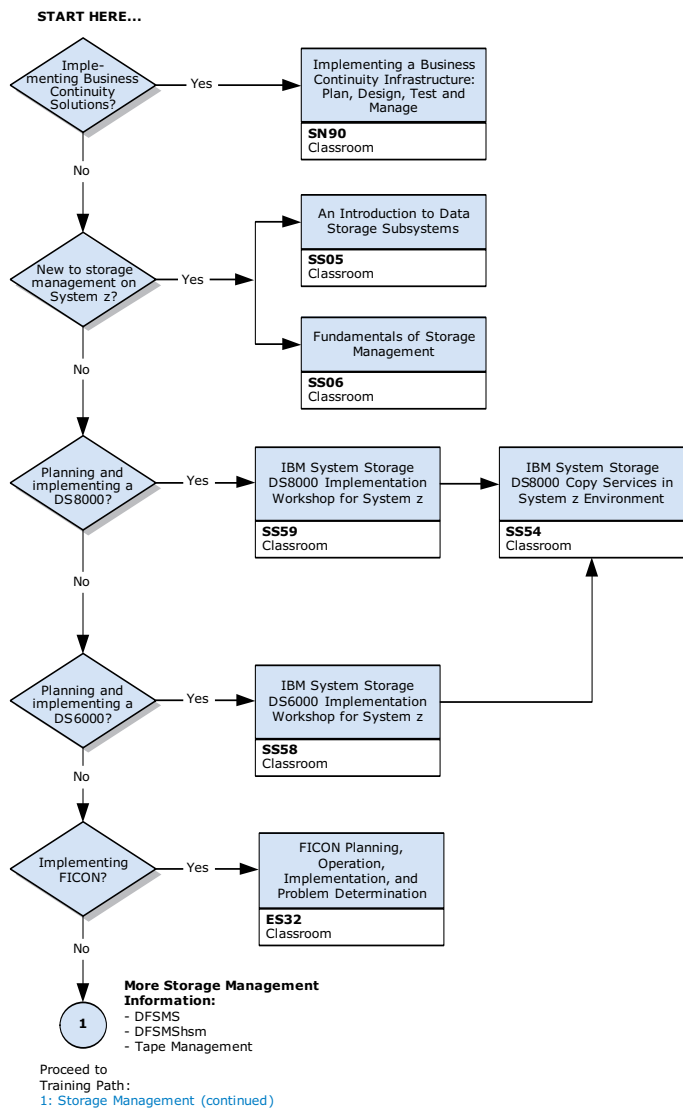
Administrators learn to manage the advanced Copy Services provided by many IBM storage systems. The basic functions of IBM TotalStorage Productivity Center (TPC) for Replication provide management of FlashCopy, Metro Mirror, and Global Mirror capabilities for the IBM ESS Model 800, IBM DS6000, and IBM DS8000. Also, manage FlashCopy and MetroMirror for IBM Storage Area Network (SAN) Volume Controller (SVC).

This course covers details and usage of the product. Hands-on labs include installation of prerequisites, base, and Two Site products. Learn to configure replication services on the SVC and DS6000 platforms. You should have previous experience with Copy Services on one or both storage platforms.

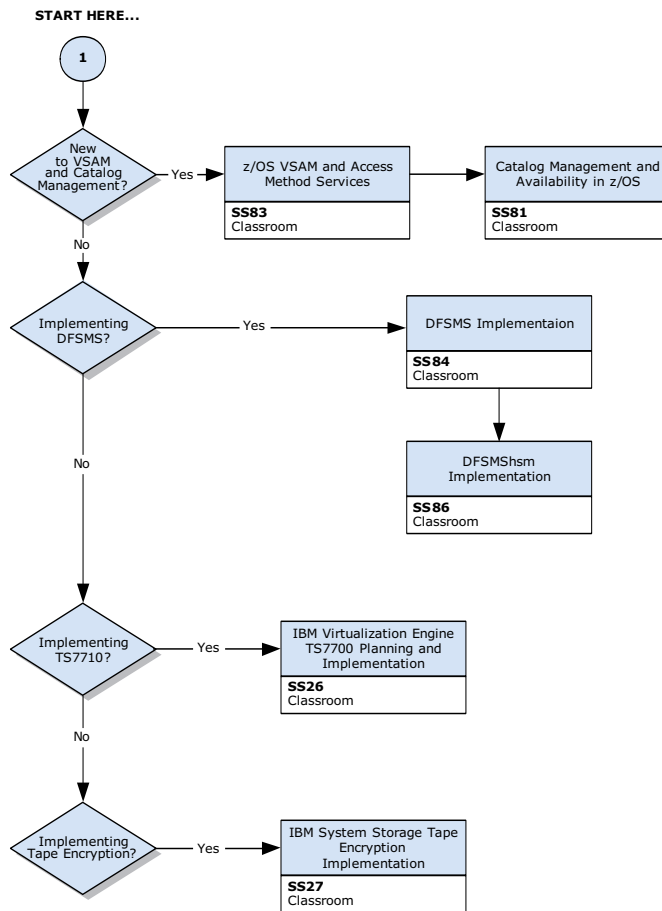


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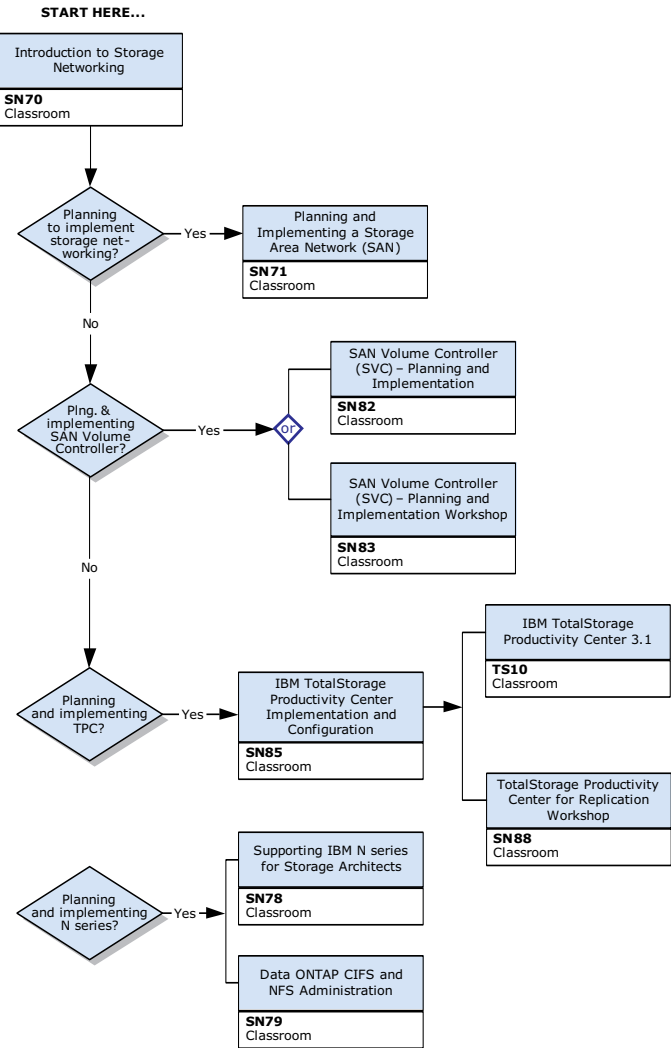
### Storage Management in the IBM System z Environment



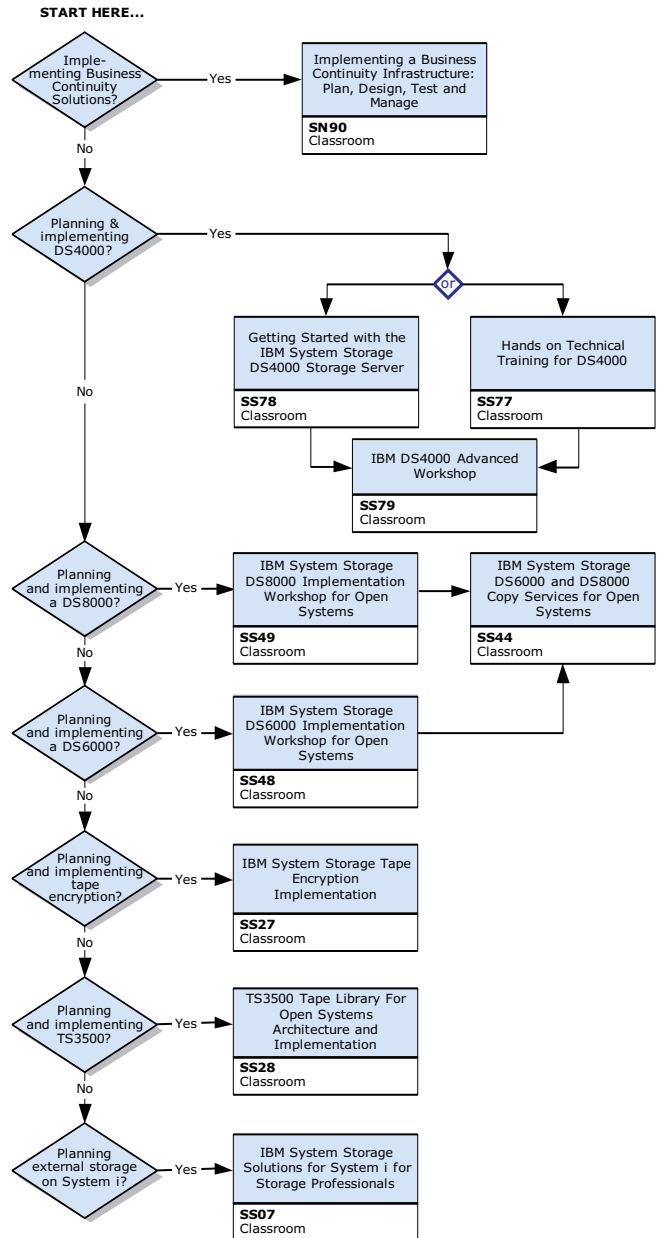
### Storage Management in the IBM System z Environment (continued)



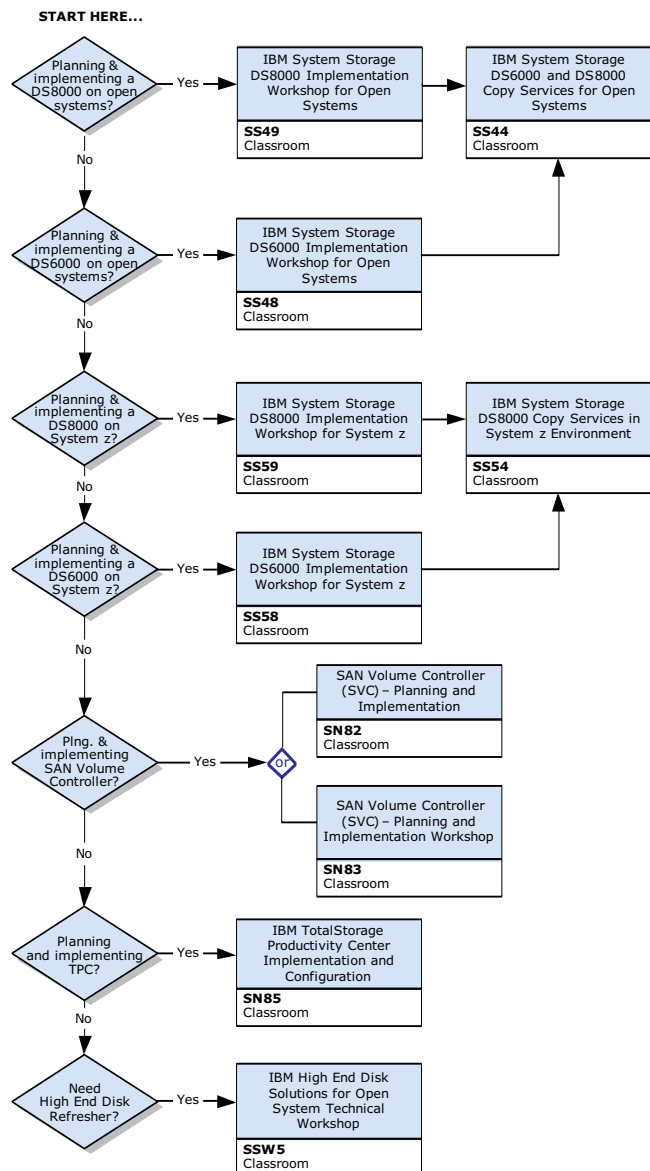
### Storage Area Network (SAN) Virtualization and Consolidation Techniques



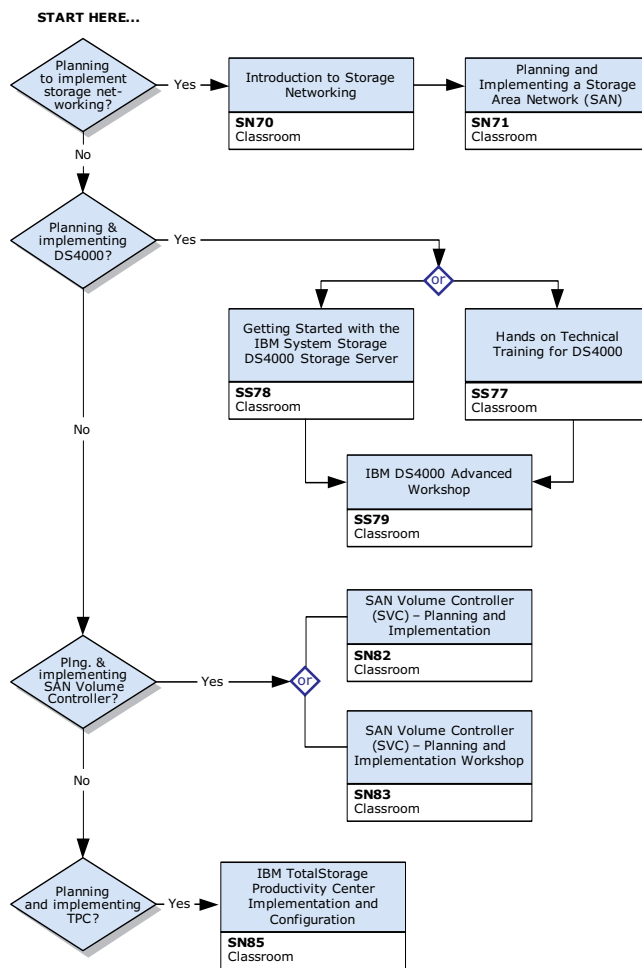
### Storage Management in the Open Systems Environment



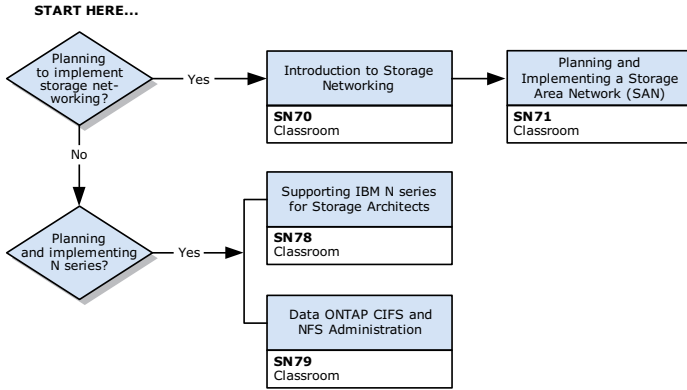
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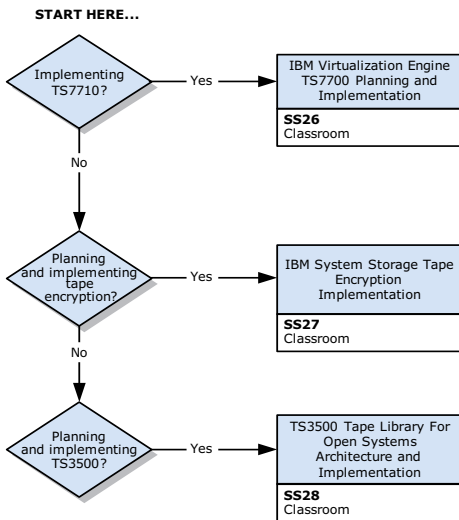
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The z/VSE operating system can execute in 31-bit mode only. It does not implement z/Architecture, and specifically does not implement 64-bit mode capabilities. The z/VSE operating system is designed to exploit select features of @server zSeries hardware.

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you achieve success in today's IT workforce. Additionally, IBM can provide onsite, customized Cisco training right at your place of business, and can tailor the training to your company's educational requirements.

IBM offers a full range of Cisco training, including courses for the following certifications: CCNA, CCNP, CCVP, CCSP. Please see url for training paths and a complete list of training available.

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Skill Level: Advanced  
Duration: 5 days

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# IBM SOFTWARE TRAINING



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*Service Oriented Architecture (SOA)*

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# IBM SOFTWARE TRAINING

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Sincerely,

Kate Black  
SWG Education Manager

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# Service Oriented Architecture (SOA)

[ibm.com/training/au/websphere](http://ibm.com/training/au/websphere)

## Curriculum Overview

The escalating demand for service oriented architecture (SOA) can be daunting for companies looking to hire experienced IT practitioners with SOA skills. A significant number of today's IT workers do not have experience with SOAP, XML Schema Definition Language (XSDL), Web Services Description Language (WSDL), XQuery or XSL Transformation (XSLT). These skill gaps can impede and delay deployments among all but the most forward businesses. Often, the speed with which companies deploy SOA and the extent to which their SOA initiatives reach across their organizations depends heavily on the availability of SOA skills. In a recent IBM survey, 56% of respondents stated that the lack of SOA skills was the number one barrier to SOA adoption.

## Comprehensive SOA Curriculum

The SOA curriculum offers a comprehensive list of courses designed to advance your skills from basic SOA concepts to the practical understanding you need to design and implement an SOA. Lay the foundation for your SOA with a suite of Web-based training – courses VW003, VW004 and VW005 – that can help you begin planning and implementing a service oriented architecture within your company by providing an overview of important SOA concepts, such as SOA Governance, Web services and SOA and best practices. After laying the groundwork for your SOA, WebSphere Education offers deep-dive, instructor-led training with hands-on labs that build practical experience for developers and business analysts with courses such as SOA59/VS590 and SW519/VS519. The SOA curriculum can also prepare you to earn the IBM Certified SOA Associate and SOA Solution Designer credentials.

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## Visit the WebSphere Education Web Site

With over 250 courses across the WebSphere software portfolio and SOA, the training site provides an invaluable resource to plan your training to build in-demand skills for deploying WebSphere and SOA.

The training site makes it easy to navigate through the WebSphere and SOA curriculum.

Additionally, the Web site offers links to over 30 no-charge, self-study courses and IBM Redbooks and other resources that help you prepare for your WebSphere class or IBM WebSphere Certification.

## WebSphere Education Crash Course Series

Over 25 IBM WebSphere Education Crash Courses are now available on YouTube. The 30-45 minute WebSphere Education Crash Course previews provide a solid understanding of what you can expect when you take the full version Instructor-Led Online course.

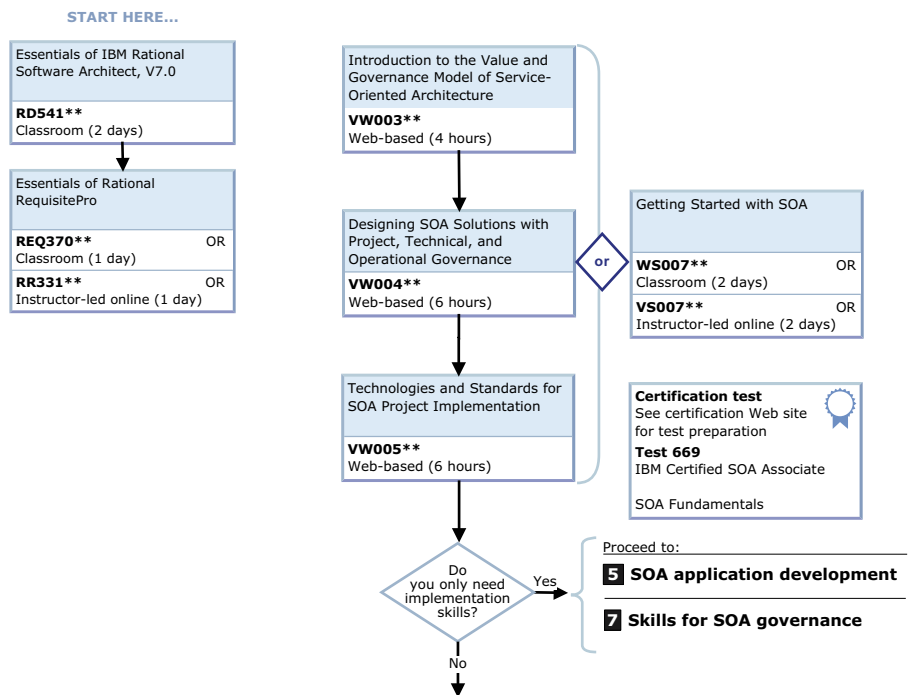
Sample a single unit from courses across the WebSphere Education portfolio, including most WebSphere products and SOA. At the end of each course preview, simply follow the link to the Instructor-Led Online version and continue learning right from your laptop without traveling to a classroom.

Visit WebSphere Education on YouTube at [www.youtube.com/user/WebSphereEducation](http://www.youtube.com/user/WebSphereEducation) or visit our Crash Course page on the WebSphere Education Web site.

## SERVICE-ORIENTED ARCHITECT AND APPLICATION DEVELOPER SKILLS ROADMAP

### Prerequisite skills for Architect

### SOA Fundamentals





# CICS Application Development/Java Technologies

[ibm.com/training/au/websphere](http://ibm.com/training/au/websphere)

## CICS

### Curriculum Overview

The CICS curriculum contains a robust set of learning-edge courses that will enable you to productively use the latest releases of CICS Transaction Server.

Take a look at our new courses designed for the recent V3.2 release of CICS Transaction Server, or update your skills and add new ones for CICS Transaction Server V3.1. Both versions strengthen application development capabilities and extend CICS applications to a service-oriented architecture. CICS has become an efficient and effective environment for applications written in COBOL, PL/I, C, C++, or Java.

Our courses provide you with the information and skills you need to install, tune, and debug the CICS products, and to design and code applications for these systems. This curriculum provides entry-level to advanced in-depth training, and is also task-oriented, which means you can attain the desired skill level with a minimum number of courses.

## Application Development/Java Technologies

### Curriculum Overview

This curriculum gets you on the launch pad for developing dynamic applications with technologies like Java, XML and Web services. It includes core prerequisite courses for curricula such as WebSphere Application Server as well as advanced training for application design and integration.

Our courses are currently organised into the following five skill building areas:

#### Java

Java is the industry standard for developing Web applications. No matter what your background or what platform you use, we have a course to help you develop Java applications or prepare for developer certification from IBM.

#### Object Technology

A strong understanding of Object Technology is a must for application developers with today's programming languages and technologies. Our portfolio includes training in Object Technology concepts, analysis, design, methodologies, and architecture.

#### Eclipse

The open-source Eclipse Platform is designed for building integrated development environments. Our curriculum helps you build Object Technology and Java skills, using the Eclipse Platform as the development environment.

#### Web Services

Web Services is a key component of a service-oriented architecture (SOA), allowing you to integrate diverse applications with a dynamic set of reusable business services. With our curriculum, you can learn how to build service-oriented architectures using the latest Web Services standards.

#### XML

Knowledge of XML is essential for understanding J2EE, Web Services and more. Our curriculum helps you design, develop and deploy robust, multi-tier applications using XML with the latest implemented standards.

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# WebSphere

[ibm.com/training/au/websphere](http://ibm.com/training/au/websphere)

## Curriculum Overview

IBM WebSphere Education delivers a comprehensive portfolio of education services to help you successfully deploy Service-Oriented Architecture (SOA) and integrate IBM's WebSphere middleware products to achieve the maximum benefit. Our curriculum provides a unique training value built on exclusive product knowledge, a complete education experience and flexible training options.

With over 200 courses across eight curriculums, WebSphere Education provides training that spans the spectrum of skill needs from introductory product overviews to advanced programming and administration. Several training options, including classroom, private customised courses and instructor-led online learning that lets students train from their office, provide flexible training options to meet both budget and time priorities.

## WebSphere Application Server

IBM WebSphere Application Server is a comprehensive J2EE application server that provides a scalable, security-rich deployment environment for SOA. With multiple configuration options, the WebSphere Application Server family offers capability levels that meet your current infrastructure needs and allow for seamless migrations to more advanced versions.

Adding to the robustness of the WebSphere Application Server family is IBM Rational Application Developer for WebSphere Software, a comprehensive integrated

development environment that enables software developers to quickly design, develop, analyse, test, profile and deploy SOA, Java, J2EE, and portal applications.

With topics such as WebSphere Application Server V6.1 administration and advanced management, Servlet and JSP Development with Rational Application Developer V6.0, and WebSphere Application Server problem determination and performance tuning, this comprehensive curriculum can help you and your team leverage the business benefits of an SOA.

## WebSphere Education Crash Course Series

Over 25 IBM WebSphere Education Crash Courses are now available on YouTube. The 30-45 minute WebSphere Education Crash Course previews provide a solid understanding of what you can expect when you take the full version Instructor-Led Online course. Sample a single unit from courses across the WebSphere Education portfolio, including most WebSphere products and SOA. At the end of each course preview, simply follow the link to the Instructor-Led Online version and continue learning right from your laptop without traveling to a classroom. Visit WebSphere Education on YouTube at [www.youtube.com/user/WebSphereEducation](http://www.youtube.com/user/WebSphereEducation)

## New and Improved WebSphere Education: Now With Certification Included!

IBM WebSphere Education is making certification easier than ever before by including no-charge certification testing with many courses. With every qualifying classroom or instructor led online training course you attend, you will receive a certification promotional code that will enable you take the aligning eligible certification exam valued up to \$150 USD free of charge. To see which courses include no-charge certification, visit [ibm.com/certify/news/20080116.shtml](http://ibm.com/certify/news/20080116.shtml)

## WebSphere Application Integration

To meet the broad skill requirements for developing an application integration infrastructure, the WebSphere Application Integration curriculum provides courses spanning introductory to advanced topics across key roles, including system administrator and application developer. From implementation courses for WebSphere ESB to WebSphere Adapter development topics and WebSphere MQ system administration classes, the WebSphere application integration curriculum arms you or your team with the core skills to leverage WebSphere application integration software to achieve immediate business impact.

## New WebSphere DataPower SOA Appliances Certification Now Available

Demonstrate your knowledge of WebSphere DataPower SOA Appliances development and deployment with the IBM Certified Solution Developer – WebSphere DataPower SOA Appliances, Firmware V3.6.1 certification.

This new intermediate certification validates your expertise to implement and configure WebSphere DataPower XML Accelerator XA35, WebSphere DataPower XML Security Gateway XS40, and WebSphere DataPower Integration Appliance XI50. See certification requirements at [ibm.com/certify/certs/15003502.shtml](http://ibm.com/certify/certs/15003502.shtml)

## WebSphere Voice

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Connect mobile people to the information and applications they need – anytime, anywhere, on demand. Move the workplace to any space, using wireless and voice middleware on the server side to support the broadest spectrum of mobile networks and a wide array of devices on the client side. Enable users of telephones, wired or wireless, to conduct business transactions or access information simply by speaking. WebSphere Education offers a varied curriculum across the core WebSphere products that enable pervasive access to applications and information, including courses for developers and system administrators for WebSphere Voice Server and WebSphere Voice Response.

### **No Travel Budget? No Problem. Train Without Traveling.**

Travel budgets zeroed out in your company? No problem. You can still build the skills you need for 2008 and eliminate travel expense with WebSphere Education's instructor-led online (ILO) learning. Just like their classroom counterparts, ILO classes offer live instruction, hands-on labs, and interaction with your instructor and classmates. With speakers, microphone, or a headset, you become part of a virtual classroom where you interact with the instructor just like you would in a conventional classroom setting. Experience the ILO learning environment by viewing the ILO demo. Visit [ibm.com/training/au/ilo](http://ibm.com/training/au/ilo)

## WebSphere Commerce

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Leading retailers have turned to IBM and WebSphere Commerce again and again to help them realize the full potential of next generation e-commerce and multi-channel retailing. And it is paying off for them with industry recognition and prestigious award and chart-topping online revenues.

Behind this success is the capability of your organization to leverage the full functionality of WebSphere Commerce V6, such as new Web 2.0 and rich-media features. Our courses target the three primary roles of the System Administrator, Solution Developer and Business User. Your skill building will consist of efficient Web-based training to build introductory skills to classroom courses with hands-on labs that cement advanced skills. You will learn the skills required to install, customize, operate and maintain the WebSphere Commerce infrastructure or to use WebSphere Commerce to manage an

e-commerce business as small as a single site to high-volume global presences.

### **Stay in Synch with WebSphere Education**

With over 250 courses across the WebSphere Product portfolio and SOA, WebSphere Education is continually growing and enhancing the courses we offer. Subscribe to the WebSphere Education New/Updated Courses RSS feed to keep in the know with newly added and updated courses.

### **Subscribe to the IBM Training AU/NZ Newsletter**

Now you can keep up to date with the latest information and training offers with our monthly Newsletter.

To subscribe: [ibm.com/training/au/subscribe](http://ibm.com/training/au/subscribe)

## Business Process Management

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Key products, such as IBM WebSphere Business Modeler, IBM WebSphere Business Monitor, WebSphere Process Server and WebSphere Integration Developer can help your organization leverage the Business Process Management (BPM) tools and skills that underlie a businesses' capability to respond to unexpected challenges in the marketplace. The BPM-oriented WebSphere curriculum mirrors IBM's holistic approach to BPM with a deep set of courses across the WebSphere products and the IT and business roles that enable BPM.

A comprehensive set of training offerings supports all phases of the BPM life cycle, from modeling – WebSphere Business Modeler, through development – WebSphere Integration Developer, deployment – WebSphere Process Server and monitoring of business processes with WebSphere Business Monitor.

### **New WebSphere Business Services Fabric Industry Content Pack Courses**

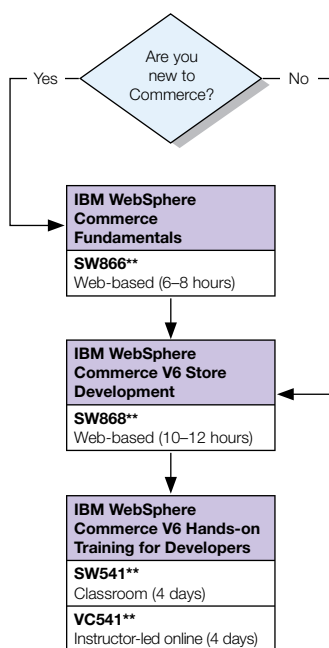
Accelerate the deployment of your SOA with industry content packs for WebSphere Business Services Fabric and new training from IBM WebSphere Education. Recently added to the WebSphere Business Services Fabric curriculum are four Web-based training courses for the Banking Payments, Insurance P&C, Healthcare Payor and Telecom Content Packs.

### **IBM Certification Introduces WebSphere Business Modeler V6.1 Certification**

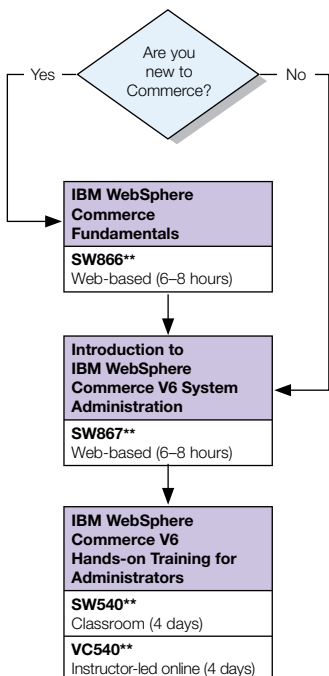
Demonstrate your advanced knowledge of WebSphere Business Modeler V6.1 with IBM Certified Business Process Analyst – WebSphere Business Modeler Advanced V6.1 certification. This new intermediate certification for business analysts validates your expertise to leverage WebSphere Business Modeler V6.1 for process modeling, analysis, simulation, reporting, and business measures definition. See this certification's requirements at [ibm.com/certify/certs/15002203.shtml](http://ibm.com/certify/certs/15002203.shtml)

## IBM WEBSHERE COMMERCE V6.0 SKILLS ROADMAP

### Application Developer

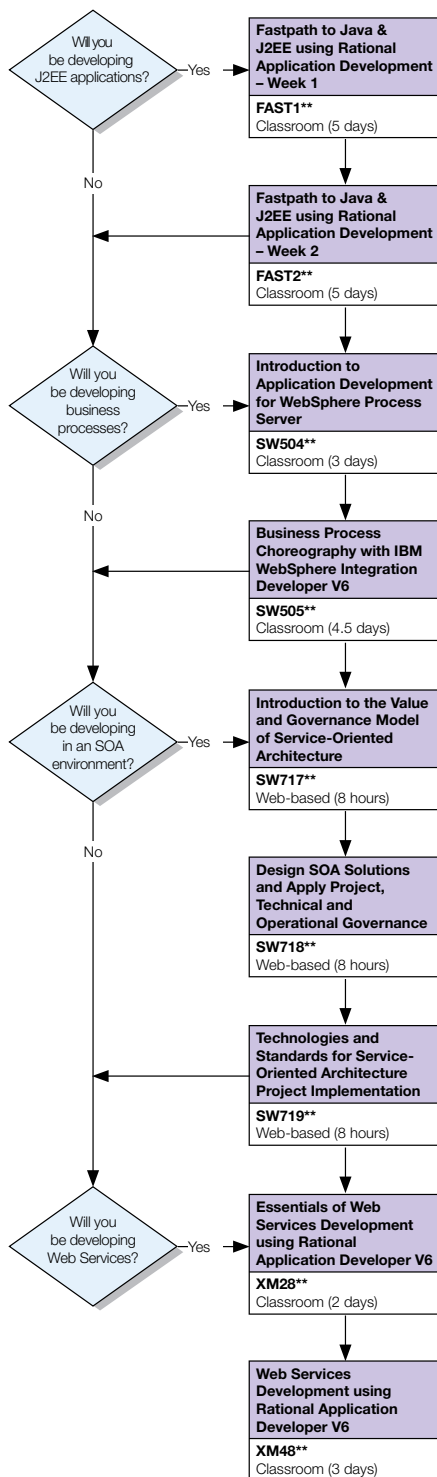


### System Administrator

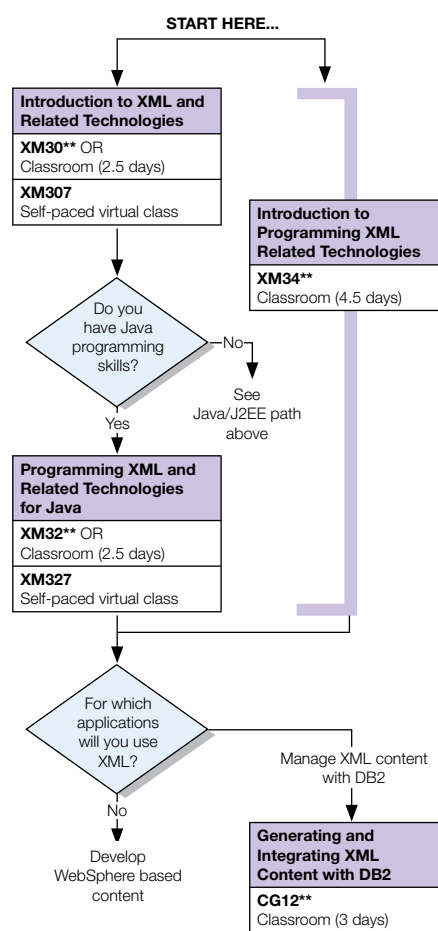


## APPLICATION DEVELOPER SKILLS FOR IBM WEBSHERE INTEGRATION PRODUCTS SKILLS ROADMAP

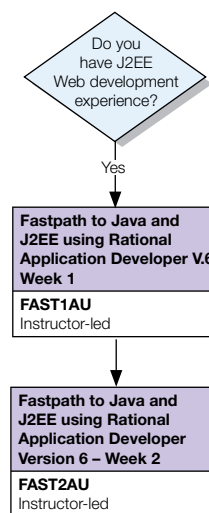
### Application Developer



### Java & J2EE Developer



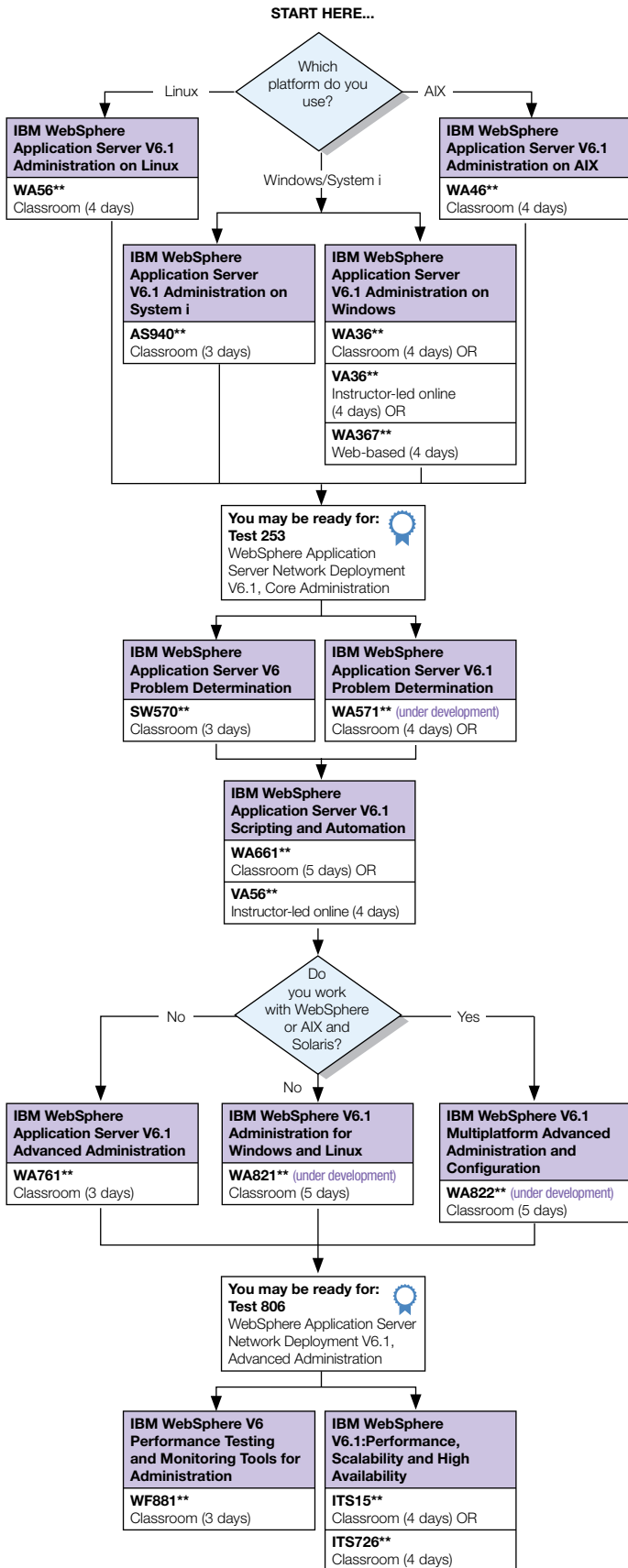
### Java & J2EE Developer



\*\* Course delivered in AU=Australia & NZ=New Zealand

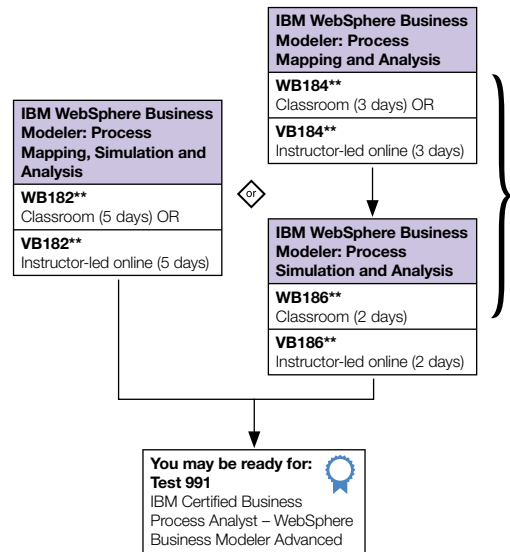
**IBM WEBSHERE APPLICATION SERVER V6.1 SKILLS ROADMAP**

**WebSphere System Administration**



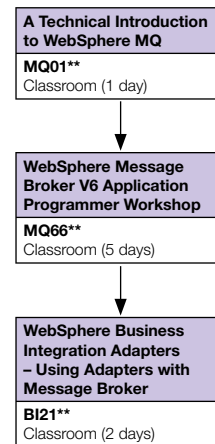
**IBM WEBSHERE MODELER V6 SKILLS ROADMAP – BUSINESS ANALYSTS**

**Business Analyst skills for IBM WebSphere Modeler V6**



**IBM WEBSHERE MESSAGE BROKER V6 ROADMAPS – DEVELOPER**

**New to IBM WebSphere Message Broker**

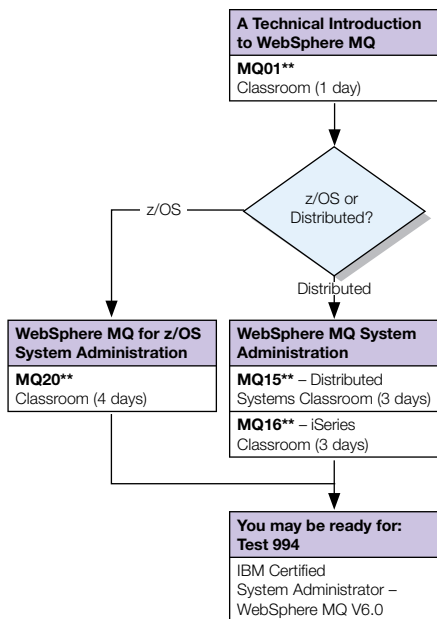


**Updating Existing Message Broker Skills**

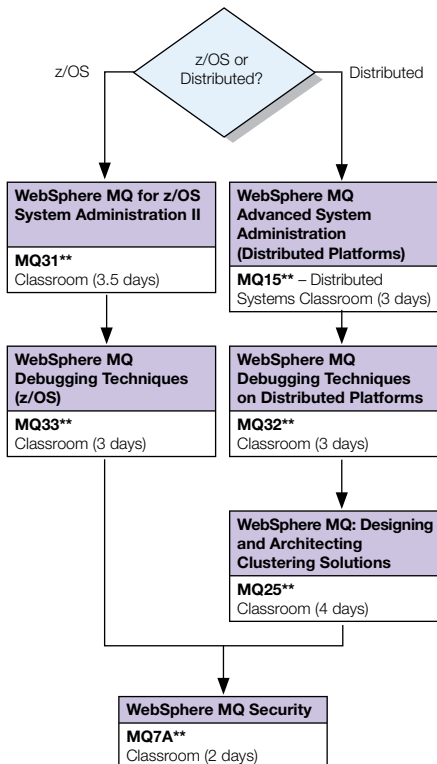


\*\* Course delivered in AU=Australia & NZ=New Zealand

### Basic Administration Skills

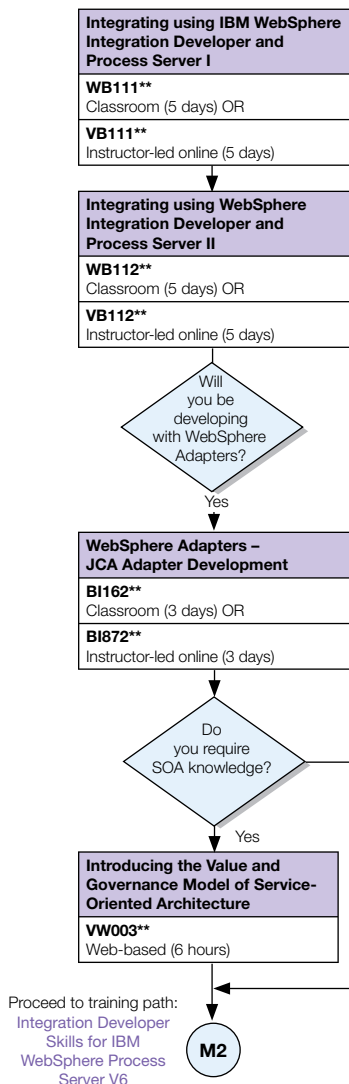


### Advanced Administration Skills

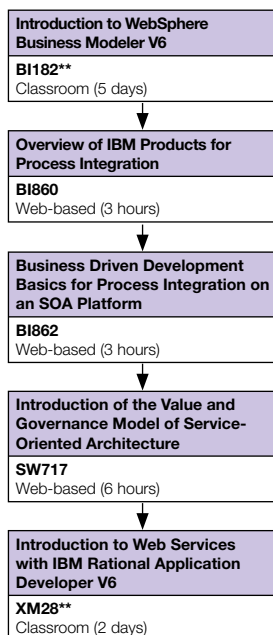


## IBM WEBSHERE PROCESS SERVER V6 SKILLS ROADMAP

### Integration Developer

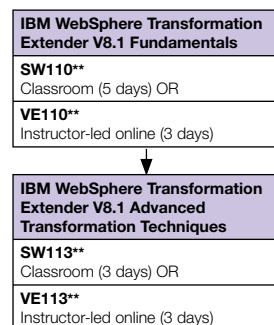


### Business Analysts

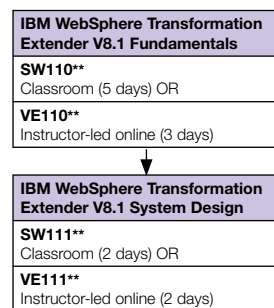


## APPLICATION DEVELOPER SKILLS FOR IBM WEBSHERE TRANSFORMATION EXTENDER V8.1

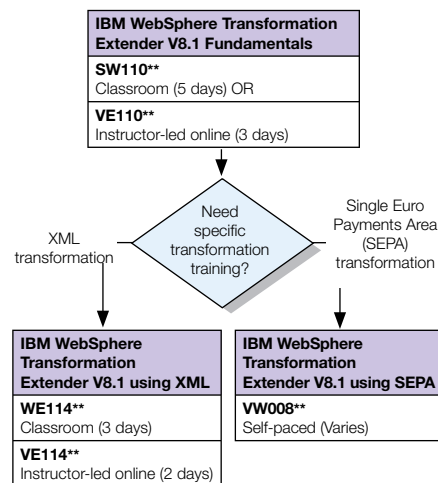
### Application Development



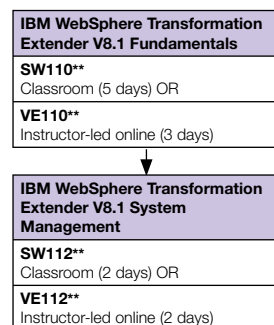
### Application Development for WTX Launcher



### Specific Data Transformation Training



## SYSTEM ADMINISTRATOR SKILLS FOR IBM WEBSHERE TRANSFORMATION EXTENDER V8.1



\*\* Course delivered in AU=Australia & NZ=New Zealand

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>AUSTRALIA</b>											
<b>Java</b>											
<b>FAST1AU</b>	Fastpath to Java and J2EE using Rational Application Developer V7 Week 1 only.	5	\$4,250.00	\$4,675.00	12 Syd	2 Mel	2 Can		4 Syd	22 Can 15 Mel	
<b>FAST2AU</b>	Fastpath to Java and J2EE using Rational Application Developer V7 Week 2 only.	5	\$4,250.00	\$4,675.00	19 Syd	9 Mel	9 Can		11 Syd	29 Can 22 Mel	
<b>FASTADAU</b>	Fastpath to Java and J2EE using Rational Application Developer V7	10	\$8,500.00	\$9,350.00	12 Syd	2 Mel	2 Can		4 Syd	22 Can 15 Mel	
<b>JA36AU</b>	Continuing Studies in Java Development	4.5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WebSphere Application Server</b>											
<b>WA36AU</b>	IBM Websphere Application Server V6.1 Advanced Administration on Windows	4	\$3,400.00	\$3,740.00		2 Syd 16 Mel	2 Can			1 Syd 29 Mel	6 Can
<b>WA46AU</b>	IBM WebSphere Application Server V6.1 Administration on AIX	4	\$3,400.00	\$3,740.00		2 Syd 16 Mel	2 Can			1 Syd 29 Mel	6 Can
<b>WA56AU</b>	IBM WebSphere Application Server V6.1 Administration on Linux	4	\$3,400.00	\$3,740.00		2 Syd 16 Mel	2 Can			1 Syd 29 Mel	6 Can
<b>WA57AU</b>	IBM WebSphere Application Server V6.1 Problem Determination	4	\$3,400.00	\$3,740.00				6 Syd	18 Mel		
<b>WA761AU</b>	IBM WebSphere Application Server V6.1 Advanced Administration	3	\$2,550.00	\$2,805.00				14 Syd	25 Mel		
<b>WA821AU</b>	IBM WebSphere V6.1 Advanced Admin and Configuration on Windows and Linux	5	\$4,250.00	\$4,675.00		9 Syd				15 Mel	
<b>WA961AU</b>	IBM WebSphere Extended Deployment V6.1 Administration Workshop	4	\$3,400.00	\$3,740.00			16 Syd	6 Mel			
<b>WF78AU</b>	WebSphere Application Server V6 Advanced Administration (Multi-platforms Course)	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WebSphere Portal v6</b>											
<b>WP610AU</b>	IBM WebSphere Portal V6 Application Development	4	\$3,400.00	\$3,740.00			2 Mel				
<b>WP710AU</b>	IBM WebSphere Portal V6 Administration 1	3	\$2,550.00	\$2,805.00	19 Mel			27 Syd			6 Mel
<b>WP720AU</b>	IBM WebSphere Portal V6 Administration 2	2	\$1,700.00	\$1,870.00	22 Mel			30 Syd			9 Mel
<b>WP730AU</b>	IBM WebSphere Portal V6 Administration 1 and 2	5	\$4,250.00	\$4,675.00	19 Mel			27 Syd			6 Mel
<b>WebSphere Portal v6.1</b>											
<b>WP711AU</b>	IBM WebSphere Portal V6.1 System Administration 1	3	\$2,550.00	\$2,805.00			16 Syd 16 Can		18 Mel		20 Syd
<b>WP721AU</b>	IBM WebSphere Portal V6.1 System Administration 2	2	\$1,700.00	\$1,870.00			19 Syd 19 Can		21 Mel		23 Syd
<b>WP731AU</b>	IBM WebSphere Portal V6.1 Administration 1 and 2	5	\$4,250.00	\$4,675.00			16 Syd 16 Can		18 Mel		20 Syd
<b>WP611AU</b>	IBM WebSphere Portal V6.1 Application Development 1	3	\$2,550.00	\$2,805.00		9 Mel		20 Syd		1 Mel	
<b>WP621AU</b>	IBM WebSphere Portal V6.1 Application Development 2	2	\$1,700.00	\$1,870.00		12 Mel		23 Syd		4 Mel	
<b>WP631AU</b>	IBM WebSphere Portal V6.1 Application Development 1 and 2	5	\$4,250.00	\$4,675.00		9 Mel		20 Syd		1 Mel	
<b>WebSphere Portlet</b>											
<b>WP415AU</b>	IBM WebSphere Portlet Factory 6: Developer Fundamentals	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WP515AU</b>	IBM WebSphere Portlet Factory 6: Advanced Topics	1	\$850.00	\$935.00							
<b>WebSphere Process Server</b>											
<b>BI117AU</b>	Introducing WebSphere Process Server and Integration Developer	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WebSphere Business Integration</b>											
<b>WB111AU</b>	Developing Business Integration Solutions for IBM WebSphere Process Server - I	5	\$4,250.00	\$4,675.00	19 Syd		16 Mel		4 Can		
<b>WB112AU</b>	Integration Using WebSphere Integration Developer and Process Server II	5	\$4,250.00	\$4,675.00			23 Mel		18 Syd		
<b>WB121AU</b>	Administration of IBM WebSphere Process Server V6.0.2	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WB124AU</b>	Administration of IBM WebSphere Process Server V6.1	2	\$1,700.00	\$1,870.00	12 Syd 15 Mel		2 Can		25 Syd 28 Mel		
<b>WB125AU</b>	IBM WebSphere Process Server High Availability	3	\$2,550.00	\$2,805.00			30 Syd	14 Mel			
<b>WB131AU</b>	IBM WebSphere Enterprise Service Bus - Implementing an ESB	5	\$4,250.00	\$4,675.00		2 Syd			11 Mel	1 Can	
<b>WB182AU</b>	IBM WebSphere Business Modeler: Process Mapping, Simulation and Analysis	5	\$4,250.00	\$4,675.00		9 Syd		27 Mel			
<b>WB184AU</b>	IBM WebSphere Business Modeler: Process Mapping and Analysis	3	\$2,550.00	\$2,805.00		9 Syd		27 Mel			
<b>WB190AU</b>	Implementing IBM Websphere Business Monitor	3	\$2,550.00	\$2,805.00		16 Syd			11 Mel		

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>WB191AU</b>	Implementing IBM Websphere Business Monitor with Process Server Overview	5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>Base Technologies</b>											
<b>WD221AU</b>	Programming Java with XML 1.4	2	\$1,700.00	\$1,870.00				27 Syd 14 Mel	11 Can		
<b>WD241AU</b>	Introduction to Programming XML and Related Technologies with Java 1.4	5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WD371AU</b>	Java EE 5 Development with Eclipse for WebSphere Application Server CE 2.0	4	\$3,400.00	\$3,740.00	27 Mel				25 Syd		
<b>WD503AU</b>	A Technical Introduction to Web Services	1	\$850.00	\$935.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WD505AU</b>	Web Services Development for WebSphere Application Server V6.1 with IBM RAD V7	5	\$4,250.00	\$4,675.00		16 Syd		20 Can	4 Mel		
<b>WD320AU</b>	Developing Ajax Applications with the WebSphere Feature Pack for Web 2.0	3	\$2,550.00	\$2,805.00		2 Can	9 Syd 30 Mel				
<b>WD350AU</b>	Developing EJB3 Applications for WebSphere Application Server	5	\$4,250.00	\$4,675.00				20 Syd		1 Mel	
<b>OB00AU</b>	Introduction to Object Technology	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>DataPower</b>											
<b>WB552AU</b>	Accelerate and Secure XML and Web Services with IBM DataPower SOA Appliances	5	\$4,250.00	\$4,675.00		23 Syd		20 Mel			
<b>WB553AU</b>	IBM Websphere DataPower SOA Appliances - Advanced Topics	3	\$2,550.00	\$2,805.00			23 Mel			9 Syd	
<b>WB554AU</b>	Administration of IBM WebSphere DataPower SOA Appliances	3	\$2,550.00	\$2,805.00						22 Syd 29 Mel	
<b>WS007AU</b>	Getting Started with SOA	2	\$1,700.00	\$1,870.00				6 Syd	28 Mel		
<b>WC542AU</b>	IBM Websphere Commerce V6 Sales Centre Customisation and Deployment	5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WC551AU</b>	IBM Websphere Commerce V6 Hands-On Training for Developers	5	\$4,250.00	\$4,675.00							
<b>WC550AU</b>	IBM Websphere Commerce V6 Hands-On Training for Administrators	5	\$4,250.00	\$4,675.00							
<b>Instructor-Led Online</b>											
For a comprehensive listing of all our Instructor Led On-Line Offerings please visit our website <a href="http://ibm.com/training/au">ibm.com/training/au</a> or contact 1800 801 088 to register your interest											
<b>WebSphere MQ</b>											
<b>WM100AU</b>	A Technical Introduction to WebSphere MQ V7	1	\$850.00	\$935.00	5 Mel 19 Syd	2 Syd 16 Mel 23 Syd	2 Mel 16 Syd 23 Mel 30 Syd	6 Mel 27 Syd	4 Syd 11 Syd 25 Mel	1 Syd 22 Mel	6 Mel 13 Syd 27 Syd
<b>WM501AU</b>	IBM WebSphere MQ V7 Application Development (Windows labs)	3	\$2,550.00	\$2,805.00	6 Mel	3 Syd	3 Mel 31 Syd	15 Mel	12 Syd	10 Mel	14 Syd
<b>WM502AU</b>	IBM WebSphere MQ V7 Application Development (AIX labs)	3	\$2,550.00	\$2,805.00	6 Mel	3 Syd	3 Mel 31 Syd	15 Mel	12 Syd	10 Mel	14 Syd
<b>WM503AU</b>	IBM WebSphere MQ V7 Application Development (z/OS labs)	3	\$2,550.00	\$2,805.00	6 Mel	3 Syd	3 Mel 31 Syd	15 Mel	12 Syd	10 Mel	14 Syd
<b>WM151AU</b>	IBM WebSphere MQ System Administration (Windows)	3	\$2,550.00	\$2,805.00	28 Mel	24 Syd	24 Mel	7 Mel	5 Syd	2 Syd	7 Mel
<b>WM152AU</b>	IBM WebSphere MQ System Administration (AIX Labs)	3	\$2,550.00	\$2,805.00	28 Mel	24 Syd	24 Mel	7 Mel	5 Syd	2 Syd	7 Mel
<b>WM155AU</b>	IBM WebSphere MQ System Administration (Sun Labs)	3	\$2,550.00	\$2,805.00	28 Mel	24 Syd	24 Mel	7 Mel	5 Syd	2 Syd	7 Mel
<b>WU600AU</b>	IBM WebSphere Message Broker V6.1 New Features	2	\$1,700.00	\$1,870.00		11 Mel		7 Syd 22 Mel		3 Mel	8 Syd 15 Mel
<b>WU601AU</b>	IBM WebSphere MQ V7 Implementation for Experienced MQ Personnel	2	\$1,700.00	\$1,870.00		4 Mel		1 Syd 15 Mel		10 Mel	1 Syd
<b>WM642AU</b>	IBM WebSphere Message Broker V6 – System Administration Workshop	3.5	\$3,400.00	\$3,740.00	27 Syd	17 Mel	3 Mel 17 Syd 31 Mel	14 Syd 28 Mel	12 Syd 26 Mel	23 Syd	
<b>WM66AU</b>	IBM WebSphere Message Broker V6.1 Developer Workshop	5	\$4,250.00	\$4,675.00	19 Mel	2 Syd 23 Mel	9 Syd 23 Syd	20 Mel	4 Mel 18 Syd	15 Mel	
<b>WMADMNAU</b>	WebSphere MQ Administration FastTrack (Includes WM151AU, WM300AU)	5	\$4,250.00	\$4,675.00	12 Mel	9 Syd	9 Syd	20 Mel	18 Mel	15 Syd	20 Mel
<b>WMFASTAU</b>	WebSphere MQ Fastpath (Includes WM100AU, WM500AU and WM150AU)	5	\$4,250.00	\$4,675.00	19 Syd	16 Mel	16 Syd	27 Syd	25 Mel	22 Mel	27 Syd

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
MQ09AU	IBM WebSphere MQ V6.0 Programming Using Base Classes for Java	3	\$2,550.00	\$2,805.00							
MQ14AU	IBM WebSphere MQ V6.0 Programming Using JMS	3	\$2,550.00	\$2,805.00							
WM250AU	IBM WebSphere MQ: Designing and Architecting Clustering Solutions	4	\$3,400.00	\$3,740.00							
WM305AU	IBM WebSphere MQ Advanced System Administration (Distributed Platforms)	3	\$2,550.00	\$2,805.00							
WM300AU	IBM WebSphere MQ Advanced System Administration for z/OS	4	\$3,400.00	\$3,740.00							
WM310AU	IBM WebSphere MQ V7 Advanced System Administration for z/OS	3.5	\$3,400.00	\$3,740.00							
MQ32AU	WebSphere MQ Debugging Techniques on Distributed Platforms	3	\$2,550.00	\$2,805.00							
MQ33AU	WebSphere MQ Debugging Techniques (z/OS)	3	\$2,550.00	\$2,805.00							
WM69AU	WebSphere Business Integration Message Broker Administration for z/OS	3	\$2,550.00	\$2,805.00							
WM305AU	IBM WebSphere MQ Advanced System Administration (Distributed Platforms)	3	\$2,550.00	\$2,805.00							
<b>CICS</b>											
WM80AU	CICS V3.2 Fundamentals	3	\$2,550.00	\$2,805.00	28 Mel	02 Syd	10 Can				
WM810AU	CICS V3.2 Basic Tailoring	5	\$4,250.00	\$4,675.00		23 Mel	23 Syd	06 Can			
CI17AU	CICS Application Programming I	4.5	\$4,250.00	\$4,675.00			16 Mel		04 Syd	15 Can	
CI18AU	CICS Application Programming II	4.5	\$4,250.00	\$4,675.00				20 Mel		01 Syd	13 Can
CI29AU	CICS TS for z/OS Problem Analysis	4.5	\$4,250.00	\$4,675.00					18 Mel	29 Syd	
WM880AU	Getting to know TXSeries	5	\$4,250.00	\$4,675.00							
WM840AU	CICS V3.2 CICSplex System Manager Introduction	1	\$850.00	\$935.00							
WM850AU	CICS V3.2 CICSplex System Manager Administration	4	\$3,400.00	\$3,740.00							
WM860AU	CICS V3.2 Command Level Coding	5	\$4,250.00	\$4,675.00							
CI95AU	CICS TS for z/OS Transition: V1 to V2	3	\$2,550.00	\$2,805.00							
CI96AU	Migration Fast Path: CICS/ESA V4.1 to CICS TS for z/OS V2.2	2.5	\$2,550.00	\$2,805.00							
CI98AU	CICS TS for z/OS Transition from V2 to V3	3	\$2,550.00	\$2,805.00							
<b>NEW ZEALAND</b>											
<b>WebSphere Application Server</b>											
WA36NZ	IBM Websphere Application Server V6.1 Advanced Administration on Windows	4	\$4,400.00	\$4,950.00			10 Auk			9 Wel	
WA46NZ	IBM WebSphere Application Server V6.1 Administration on AIX	4	\$4,400.00	\$4,950.00			10 Auk			9 Wel	
WA56NZ	IBM WebSphere Application Server V6.1 Administration on Linux	4	\$4,400.00	\$4,950.00			10 Auk			9 Wel	
<b>WebSphere Business Integration</b>											
WB182NZ	IBM WebSphere Business Modeler: Process Mapping, Simulation and Analysis	5	\$5,500.00	\$6,187.50		16 Auk					
WB184NZ	IBM WebSphere Business Modeler: Process Mapping and Analysis	3	\$3,300.00	\$3,712.50		9 Syd		27 Mel			
<b>WebSphere Portal v6</b>											
WP610NZ	IBM WebSphere Portal V6 Application Development	4	\$4,400.00	\$4,950.00		16 Wel			11 Auk		
WP710NZ	IBM WebSphere Portal V6 Administration 1	3	\$3,300.00	\$3,712.50		23 Wel			18 Auk		
WP720NZ	IBM WebSphere Portal V6 Administration 2	2	\$2,200.00	\$2,475.00		26 Wel			21 Auk		
WP730NZ	IBM WebSphere Portal V6 Administration 1 and 2	5	\$5,500.00	\$6,187.50		23 Wel			18 Auk		
<b>WebSphere Portal v6.1</b>											
WP711NZ	IBM WebSphere Portal V6.1 System Administration 1	3	\$3,300.00	\$3,712.50			16 Auk			15 Wel	
WP721NZ	IBM WebSphere Portal V6.1 System Administration 2	2	\$2,200.00	\$2,475.00			19 Auk			18 Wel	
WP731NZ	IBM WebSphere Portal V6.1 Administration 1 and 2	5	\$5,500.00	\$6,187.50			16 Auk			15 Wel	
WP611NZ	IBM WebSphere Portal V6.1 Application Development 1	3	\$3,300.00	\$3,712.50				27 Wel			13 Auk
WP621NZ	IBM WebSphere Portal V6.1 Application Development 2	2	\$2,200.00	\$2,475.00				30 Wel			16 Auk
WP631NZ	IBM WebSphere Portal V6.1 Application Development 1 and 2	5	\$5,500.00	\$6,187.50				27 Wel			13 Auk
<b>CICS</b>											
WM80NZ	CICS V3.2 Fundamentals	3	\$3,300.00	\$3,712.50			02 Wel				
CI17NZ	CICS Application Programming I	4.5	\$5,500.00	\$6,050.00				27 Wel			

Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.

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# Information Management

[ibm.com/training/au/im](http://ibm.com/training/au/im)

The need to access, manage and deliver information more effectively is driving rapid change in the IT marketplace. Organisations grappling with increased business demands and government compliance mandates are striving to capture and integrate data in a more seamless, real-time fashion across various departments, regardless of the underlying format or structure. IBM Information Management software can help organisations address these issues by getting the right information to the right people or processes at the right time through the following product/solution offerings:

## Curriculum Overview

Only Information Management Software has the end-to-end capabilities to help you manage your data and content, and pull together trusted information that cuts across diverse silos, and gains valuable insight to optimize your business.

With a comprehensive portfolio of over 400 courses, Information Management provides training that supports a complete range of skill needs from the basics to programming and advanced administration. Multiple delivery formats, including traditional classroom, private customizable onsite, and instructor-led online courses offer flexible learning options to meet both the budget and time constraints of our students.

## Get Training to Ensure Success with IBM Cognos Software



Cognos Education offers curricula to meet the diverse needs of

every Cognos Business Intelligence and Performance Management user, from project teams to end users. Select the course to meet your needs in the format that you want (classroom, instructor-led online, self-paced) to ensure a fast, effective and convenient way to maximize success. For more information, visit <http://support.cognos.com/training>

## Data Warehousing

IBM is the world's leading dynamic data warehousing provider, enabling companies to comb through vast quantities of data quickly, thoroughly and with sharp, analytical precision. IBM solutions range from department-level data marts – for specialized functions such as sales or financial analysis – to massive enterprise data warehouses scaling into petabytes. But, nearly everyone agrees that

it can be very difficult to implement a data warehouse system without plenty of planning and support.

IBM data warehousing courses will get you started quickly, teach you how to use the tools effectively, and help you create your dynamic data warehouse solution efficiently.

## Data Management

To leverage information as a strategic asset in today's unique market, many organizations rely on database technology to manage information and enable effective business decisions. Today's organizations demand highly skilled database experts to propel technology into business innovation. IBM Data Management, comprised of, DB2, IMS, Informix, Optim and U2, offers a strong collection of training courses and professional certifications designed to allow Data Management professionals to extend their business value by becoming experts in the latest innovations from IBM.

With training courses written by experienced course developers and delivered by skilled instructors with direct access to IBM Software Labs, Data Management training equips students with the skills they need to maximize their productivity and enhance database performance. Data Management professionals can choose from a variety of learning formats, including our green Instructor-Led Online, traditional classroom, and private onsite classroom.

### New DB2 9 System Administrator for z/OS Professional Certification Exam

Take your skills to the next level by becoming an IBM Certified System Administrator DB2 9 for z/OS. This new certification and exam have been developed for the candidate with significant experience and intermediate to advanced level skills in System Administration for DB2 9 z/OS. Exam 737 – DB2 9 System Administrator for z/OS is divided into 6 sections consisting of 60 questions.

### Train Green – Instructor Led Online (ILO)

ILO enables you to train green by eliminating travel therefore reducing your carbon footprint. With ILO you get the same live instruction, and group interaction of traditional classroom courses without the time and expense of travel. Now you can have the best of both worlds!

### Customize Your Learning with IBM Onsite Training

Select the most convenient, cost-effective training method for groups as small as 3 or as large as 14. Choose from the same quality training we deliver in our classrooms, or customize a course or a selection of courses to best suit your business needs. Have a group that is geographically dispersed? Now you can book a private instructor-led online training course where you can choose the date, time and even customize the course content delivered.

### New IBM solidDB Education Services

IBM solidDB Education Services offers comprehensive and high quality curriculum to enable project and development teams to quickly take advantage of IBM solidDB products. IBM offers a set of nine standard training courses varying in duration. These courses can be combined and customized to be delivered onsite at your location to best suit your learning needs.

## Enterprise Content Management

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IBM Enterprise Content Management (ECM) helps organizations make better decisions faster by managing content, optimizing associated business processes, and enabling compliance through an integrated information infrastructure.

IBM ECM training empowers your organization to get the most out of its technology investment by making sure the people it relies on to architect, design, deploy, maintain, and support its ECM systems have the knowledge and skill to succeed.

### **IBM FileNet P8 Prerequisite Skills 4.0**

Develop the knowledge and skills required to work with IBM FileNet P8. This course serves as the foundation for more advanced IBM FileNet courses. For more information and the course description, visit [ibm.com/training](http://ibm.com/training) and enter the course code F0000 in the search box.

### **New ECM Instructor-Led Online Courses**

Experience IBM innovation with our new learning format: Instructor-Led Online (ILO). Be a part of a virtual classroom with live instruction, hands-on labs, and group interaction in real time, while saving the time and costs associated with traditional classroom training. With a growing portfolio of ECM ILO courses, now is the ideal time to sign up and benefit from this exciting way to learn.

### **Build a Strong Foundation with ECM Essentials**

Fifteen complimentary e-Learning courses are now available to help you build your ECM knowledge. Gain a better insight into the ECM marketplace, products and solutions.

## Information Platform and Solutions (IPS)

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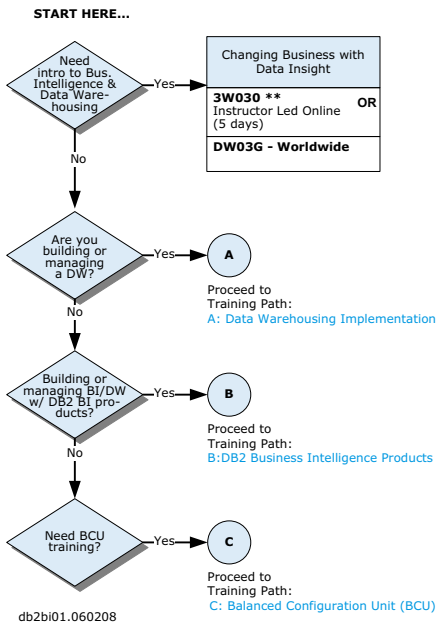
Information Platform and Solutions (IPS) Learning Services is a full service team made up of your Learning Services Account Executive, Technical Architect, Delivery Manager, and Certified Instructor. The Learning Services Account Executive will guide you in the business planning and scheduling of your training needs. Paired with a Learning Services Technical Architect, the couple will expand the education planning and implementation to cover technical aspects of your requirements and really meet the technical training needs of your students. The addition of your Delivery Manager to your team will ensure the smooth execution of your classroom setup, delivery of your curriculum, and scheduling of your Certified Instructor. Lastly, your Certified Instructor is an experienced professional that is focused not only on articulating to your students how to use the software, but also on teaching students in a manner that allows them to apply the skills in their own environments.

Our IPS Learning Services experts have experience with our products, and understand what it takes to insure the greatest level of success during implementation and product roll out. Our team, in conjunction with your team will develop a learning initiative that fits your situation best. Your IPS Learning Services team will use whatever types of learning delivery that fits your needs. Your Education Plan will most likely utilize blended learning – Instructor led classes, online courses through our FlexLearning and/or eClassroom offerings, and possibly different modalities of Extended Learning.

### **Announcing Instructor-Led Online Training – Evening Hours**

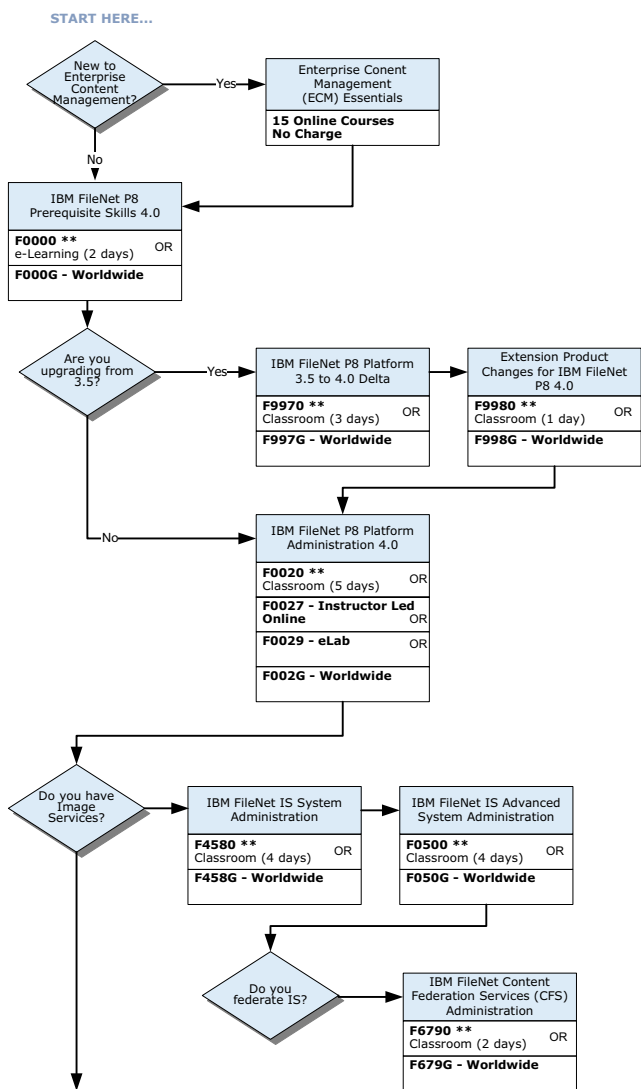
This new innovative eClassroom offering blends a unique mix of instructor-led online (ILO) training with traditional continuing education evening courses. This delivery style enables you to remain on the job, to eliminate travel expenses, and to minimize time away from home. We have structured our eClassroom delivery much like an online University course. Students will attend the lecture portions of the course material in 3-hour online sessions, delivered remotely over the Web. Labs will be assigned as homework exercises to be completed outside of the lecture time. Access to an eLab environment for the purposes of completing the exercises is provided for the duration of the course. Join us in this new offering, and experience the best of what ILO has to offer! For more information, visit [ibm.com/software/data/ips/services/learning.html](http://ibm.com/software/data/ips/services/learning.html)

### DYNAMIC DATA WAREHOUSE AND BUSINESS INTELLIGENCE SKILLS ROADMAP



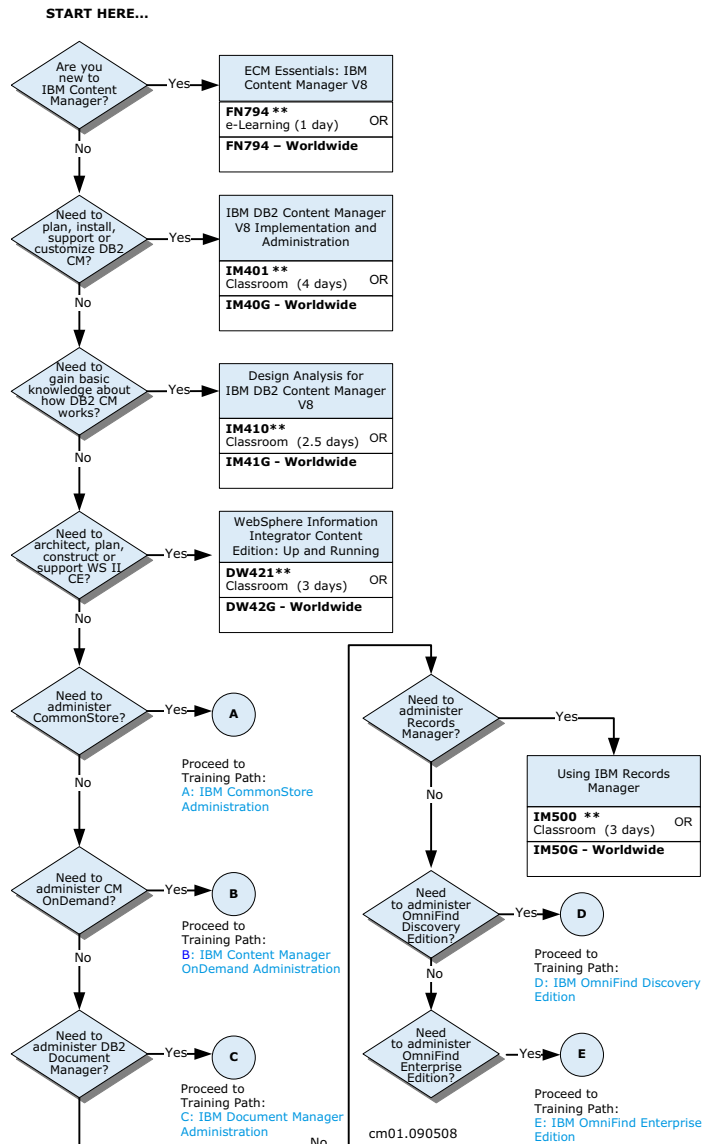
### ENTERPRISE CONTENT MANAGEMENT SKILLS ROADMAP

#### IBM FileNet P8 Platform Administration 4.0



### CONTENT MANAGER ADMINISTRATION SKILLS ROADMAP

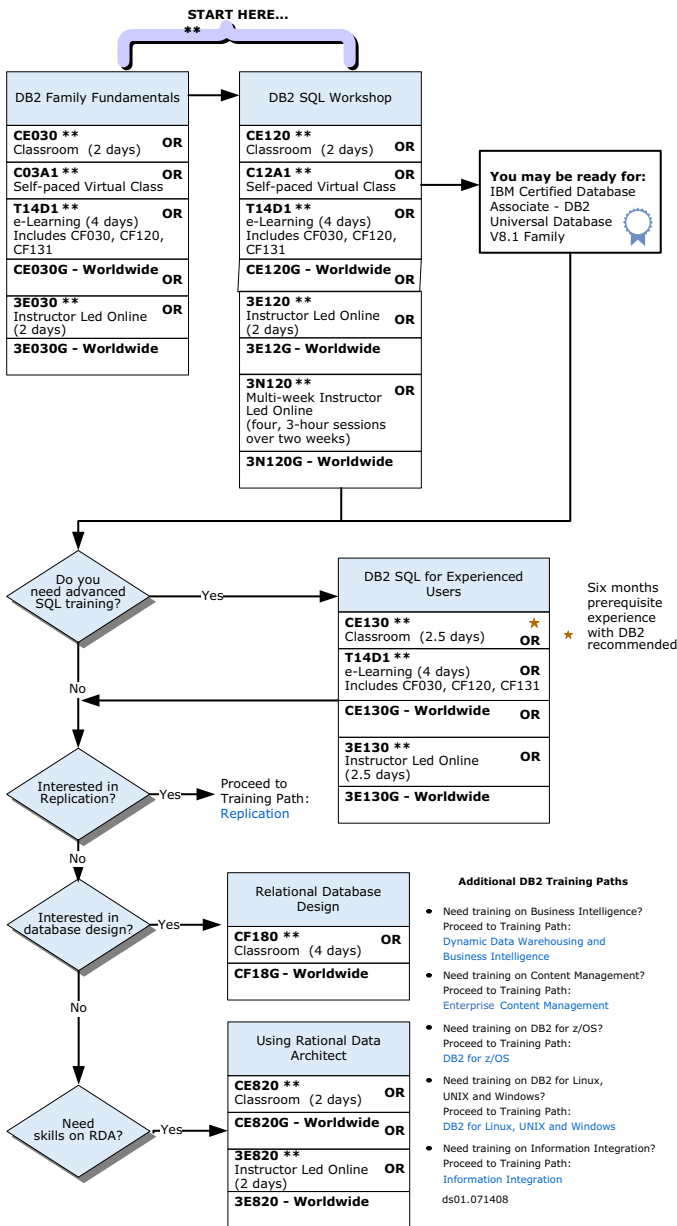
#### IBM Content Manager Administration



\*\* Course delivered in AU=Australia & NZ=New Zealand

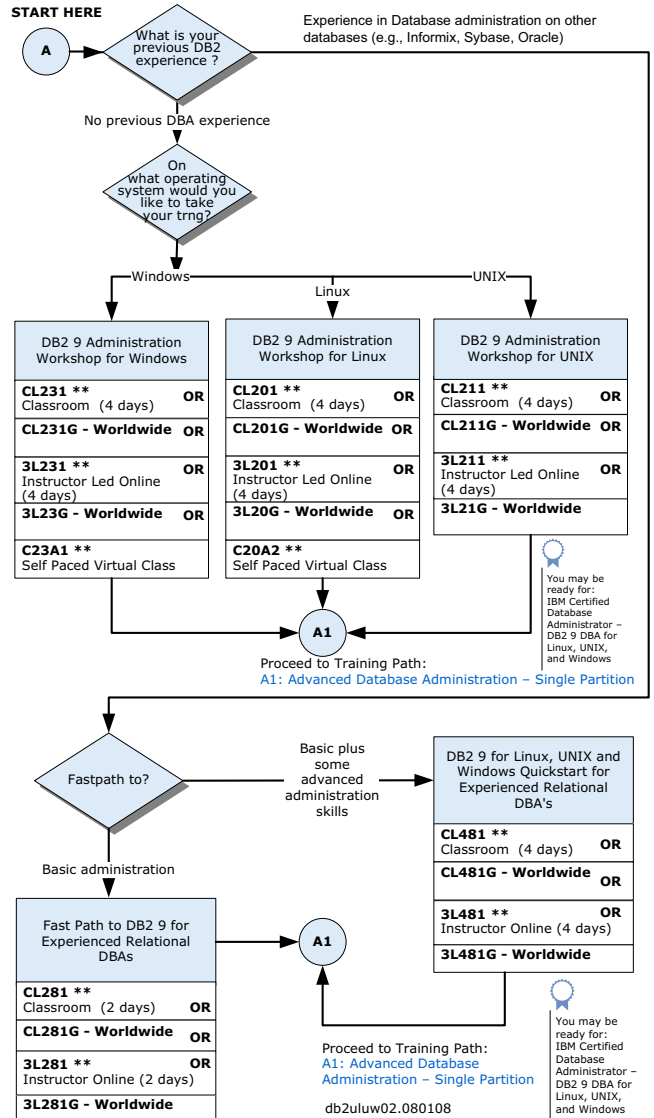
**DATA SERVERS CLASS CROSS PRODUCTS SKILLS ROADMAP**

**Data Servers Cross Products Overview**



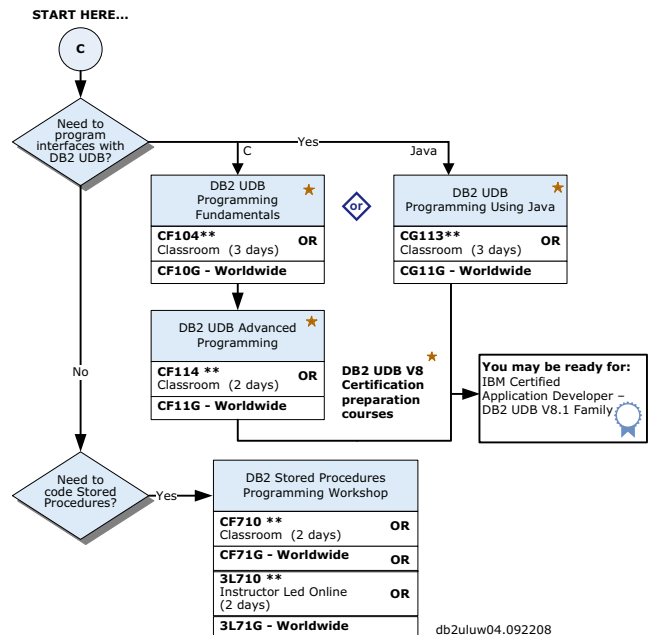
**DATABASE ADMINISTRATION SKILLS ROADMAP**

**Database Administration – Single Partition**



**APPLICATION PROGRAMMING SKILLS ROADMAP**

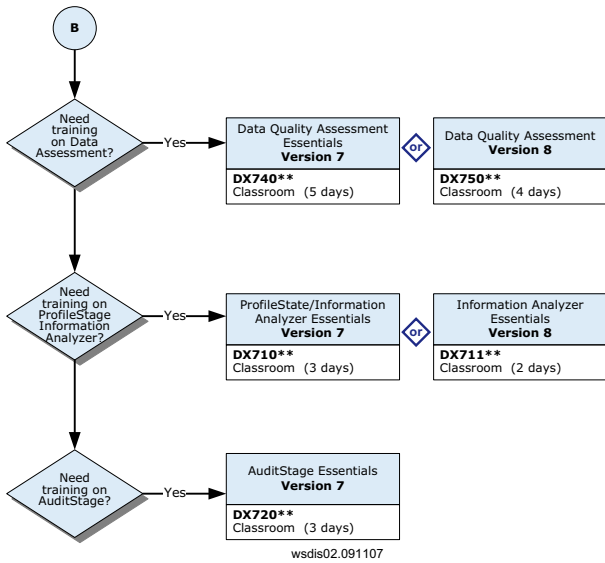
**Application Programming**



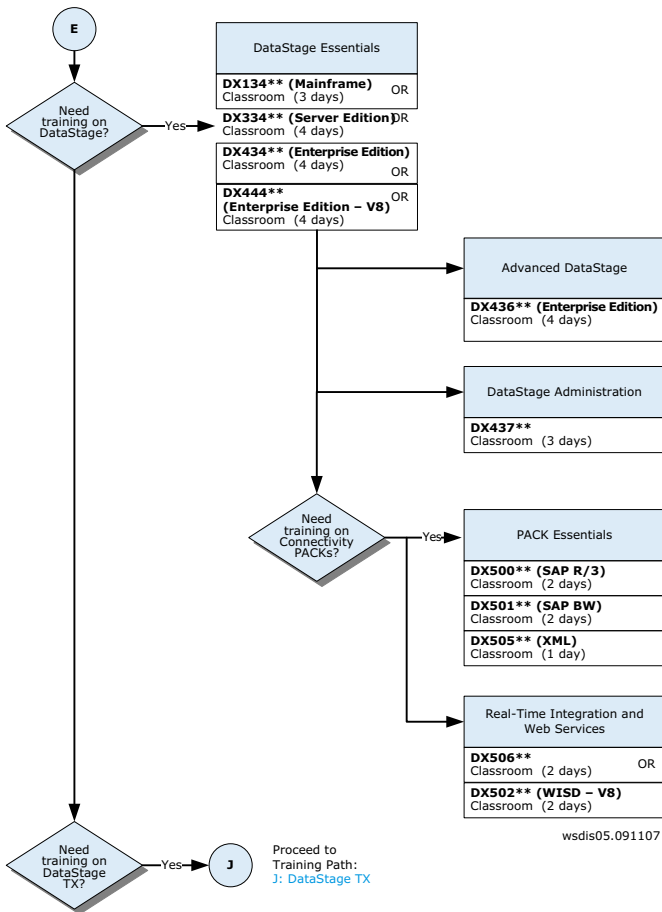
\*\* Course delivered in AU=Australia & NZ=New Zealand

**INFORMATION PLATFORMS & SOLUTIONS SKILLS ROADMAP**

**Data Analyst or System Analyst**

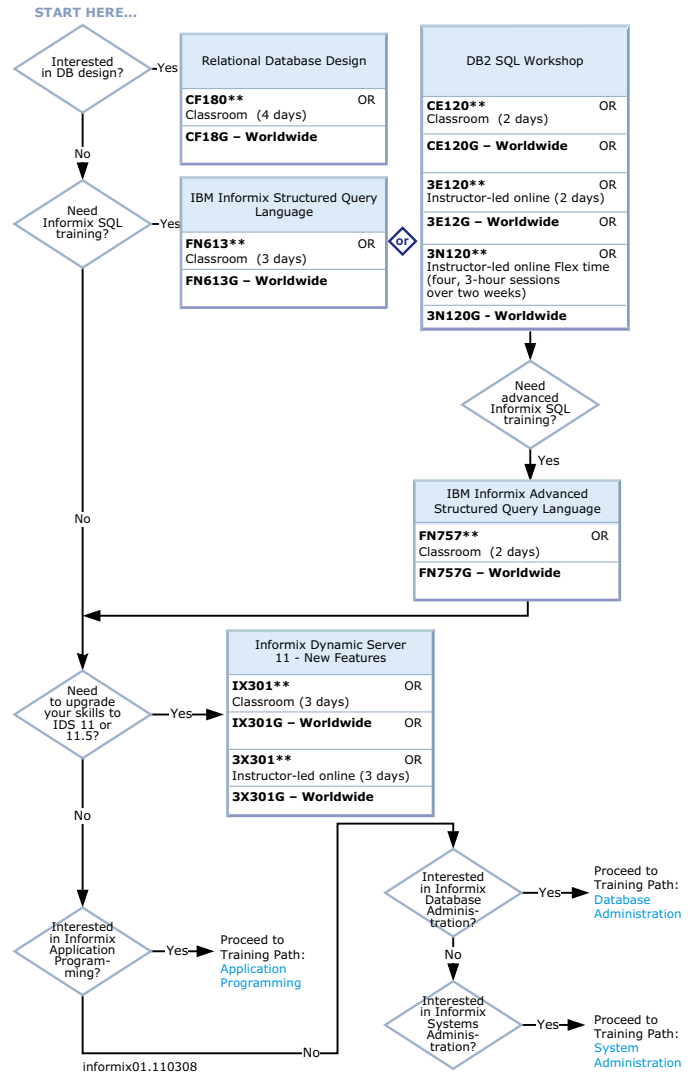


**Data Integration Architect and Data Integration Developer**



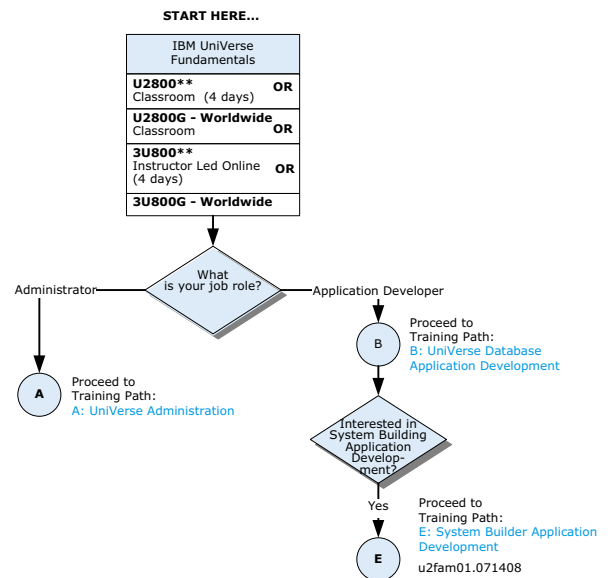
**INFORMIX SKILLS ROADMAP**

**IBM Informix Overview**



**U2 SKILLS ROADMAP**

**UniVerse Curriculum Overview**



\*\* Course delivered in AU=Australia & NZ=New Zealand

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>AUSTRALIA</b>											
<b>DB2 Universal Database</b>											
CE030AU	DB2 Family Fundamentals	2	\$1,700.00	\$1,870.00		2 Syd		6 Can		11 Mel	
CE12AU	SQL Workshop	2	\$1,700.00	\$1,870.00	29 Mel		16 Syd		18 Can		
CE13AU	DB2 SQL for Experienced Users	2.5	\$2,400.00	\$2,640.00		16 Mel		20 Syd		22 Can	
CE242AU	Using Queue Replication	4	\$3,400.00	\$3,740.00							
CE820AU	Using Rational Data Architect	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CF71AU	DB2 Stored Procedures Programming Workshop	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>DB2 for z/OS</b>											
CV83AAU	DB2 9 for z/OS Database Administration Workshop - Part I	5	\$4,250.00	\$4,675.00			23 Mel			1 Can	
CV84AU	DB2 9 for z/OS Database Administration Workshop - Part II	5	\$4,250.00	\$4,675.00		23 Syd			11 Can		
CV96AU	DB2 9 for z/OS Application Performance and Tuning	5	\$4,250.00	\$4,675.00		02 Can	23 Mel			22 Syd	
CV120AU	Query XML Data for DB2 9 for z/OS	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CV141AU	DB2 9 for z/OS Programming Using Java	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CV260AU	Manage XML Data for DB2 9 for z/OS	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CV450AU	DB2 9 for z/OS Data Sharing Implementation Workshop	4.5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CF82AU	DB2 UDB Programming Workshop for z/OS	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CV910AU	DB2 9 for z/OS System/Disaster Recovery Workshop	4	\$3,400.00	\$3,740.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CG85AU	DB2 UDB for z/OS Implementation Workshop	5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CG88AU	DB2 UDB for z/OS System Performance Analysis	3.5	\$2,975.00	\$3,272.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CV30AU	DB2 9 for z/OS Transition Workshop	4	\$3,400.00	\$3,740.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CV730AU	DB2 9 for z/OS Stored Procedures using COBOL	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CV850AU	DB2 9 for z/OS System Administration	5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CV860AU	DB2 9 for z/OS Implementation Workshop	5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>DB2 9 for Linux, Unix &amp; Windows</b>											
CL20AU	DB2 9 Database Administration Workshop for Linux	4	\$3,400.00	\$3,740.00		24 Syd		28 Mel		02 Can	14 Syd
CL21AU	DB2 9 Database Administration Workshop for UNIX	4	\$3,400.00	\$3,740.00		24 Syd		28 Mel		02 Can	14 Syd
CL23AU	DB2 9 Database Administration Workshop for Windows	4	\$3,400.00	\$3,740.00		24 Syd		28 Mel		02 Can	14 Syd
CL411AU	DB2 for LUW Performance Tuning and Monitoring Workshop	4	\$3,400.00	\$3,740.00					11 Mel		
CL461AU	DB2 9 for LUW Advanced Database Administration for Experts	5	\$4,250.00	\$4,675.00			02 Syd				
CF24AU	DB2 9 for LUW Multiple Partition DBA Workshop	5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CF44AAU	DB2 LUW Performance Tuning and Monitoring for Single and Multiple Partition DBs	5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CF49AU	DB2 9 for LUW Advanced Database Recovery	4	\$3,400.00	\$3,740.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CF60AAU	DB2 Connect DRDA Implementation with TCP/IP	4	\$3,400.00	\$3,740.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CF63AAU	DB2 Connect 9 for DB2 for z/OS Problem Determination and Performance	4	\$3,400.00	\$3,740.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CG091AU	DB2 9 for LUW Transition	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CG10AU	Query XML Data with DB2 9	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CG16AU	Manage XML data with DB2 9	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CG24AU	DB2 9 for LUW Multiple Partition Environment for Single Partition DBAs	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CG41AU	DB2 UDB Performance for Programmers	4	\$3,400.00	\$3,740.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CG49AU	DB2 UDB for Unix, Linux, Windows - Backup/Restore with Tivoli Storage Manager (TSM)	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CL281AU	Fastpath to DB2 9 LUW for Experienced Relational DBA's	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CL481AU	DB2 9 for LUW Quickstart for Experienced Relational DBAs	4	\$3,400.00	\$3,740.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CL311AU	DB2 9.5 for LUW Transition from DB2 9.1	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
CL610AU	Advanced DB2 SAP for Administrators	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>Data Warehousing</b>											
DW03AU	Introduction to Business Intelligence and Data Warehousing	2	\$1,700.00	\$1,870.00				02 Syd			02 Mel
DW11AAU	Architecting the Data Warehouse	4	\$3,400.00	\$3,740.00					04 Syd		
DW35AU	DB2 Data Warehouse Edition 9 Components	5	\$4,250.00	\$4,675.00			02 Syd			15 Mel	
DW13AU	Advanced Data Warehouse Workshop: Extract, Transform and Load Systems	4	\$3,400.00	\$3,740.00							
DW14AAU	Using SQL Replication	3	\$2,550.00	\$2,805.00							
DW15AAU	SQL Replication: Advanced Topics	2	\$1,700.00	\$1,870.00							
DW321AU	Managing Workloads for DB2 LUW and Infosphere Warehouse	2	\$1,700.00	\$1,870.00							
DW820AU	Advanced Data Warehousing Workshop: Multi-dimensional Modeling	4	\$3,400.00	\$3,740.00							
DW43AU	Introduction to OmniFind Enterprise Edition	3	\$2,550.00	\$2,805.00							
DW48AU	DB2 Federated Database with DB2 Information Integrator: Up and Running	3	\$2,550.00	\$2,805.00							
DW49AU	DB2 Federated Database Performance, Tuning and Advanced Topics Workshop	2	\$1,700.00	\$1,870.00							
<b>DB2 Content Manager</b>											
IM40AU	IBM DB2 Content Manager V8 Administration and Implementation	4	\$3,400.00	\$3,740.00			16 Syd			29 Mel	
IM25AU	IBM Content Manager for Multiplatforms V8.2 API Programming	5	\$4,250.00	\$4,675.00							
IM41AU	Design Analysis for IBM DB2 Content Manager V8	2.5	\$2,550.00	\$2,805.00							
IM45AU	Content Portal Solutions Workshop	3.5	\$3,400.00	\$3,740.00							
<b>DB2 Content Manager On Demand</b>											
IM14AU	OnDemand Application Workshop	3	\$2,550.00	\$2,805.00				01 Syd			
IM15AU	IBM DB2 Content Manager OnDemand System Administration	3	\$2,550.00	\$2,805.00			18 Mel				
IM11AU	Introduction to IBM DB2 Content Manager OnDemand	4.5	\$4,250.00	\$4,675.00							
IM16AU	Introduction to IBM DB2 Content Manager OnDemand Application Implementation	5	\$4,250.00	\$4,675.00							
<b>DB2 CommonStore</b>											
L1236AU	IBM DB2 CommonStore V8.3 for Exchange Server	2	\$1,700.00	\$1,870.00							
L1246AU	IBM DB2 CommonStore V8.3 for Lotus Domino	2	\$1,700.00	\$1,870.00							
<b>DB2 Records Manager</b>											
IM50AU	Using IBM Records Manager	3	\$2,550.00	\$2,805.00							
<b>DB2 Document Manager</b>											
DM47AAU	Document Manager V8 Implementation and Administration, Part 1	4	\$3,400.00	\$3,740.00							
DM49AU	Document Manager V8 Implementation and Administration, Part 2	3	\$2,550.00	\$2,805.00							
<b>Assembler Language Coding</b>											
OF36AU	Assembler Language Coding	5	\$4,250.00	\$4,675.00			18 Mel		25 Syd		
OF37AU	Advanced Assembler Language Coding Workshop	4	\$3,400.00	\$3,740.00							
<b>Informix</b>											
IX301AU	Informix Dynamic Server 11 New Features	3	\$2,550.00	\$2,805.00		09 Mel			04 Syd		
IX40AU	Informix Dynamic Server 11 Performance Tuning	4	\$3,400.00	\$3,740.00						16 Mel	
IX81AU	Informix Dynamic Server 11 System Administration	4	\$3,400.00	\$3,740.00			24 Syd		26 Mel		
IX13AU	Informix Advanced SQL	2	\$1,700.00	\$1,870.00							
IX22AU	Informix Dynamic Server 11 Database Administration: Managing and Optimising Data	4	\$3,400.00	\$3,740.00							
IX420AU	Informix Dynamic Server 11 Replication	4	\$3,400.00	\$3,740.00							
IX911AU	Informix Dynamic Server 11 Internal Architecture	4	\$3,400.00	\$3,740.00							
FN335AU	IBM Informix Stored Procedures and Triggers	2	\$1,700.00	\$1,870.00							
<b>Instructor-Led Online Training</b>											

For a comprehensive listing of all our Instructor Led On-Line Offerings please visit our website [ibm.com/training/au](http://ibm.com/training/au) or contact 1800 801 088 to register your interest

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>Information Platform and Solutions</b>											
DX444AU	DataStage Essentials v8	4	\$3,400.00	\$3,740.00	13 Mel	3 Syd	3 Can	6 Mel	12 Syd	9 Can	14 Mel
DX751AU	Information Analysis	4	\$3,400.00	\$3,740.00	20 Mel	10 Syd	10 Can	14 Mel	19 Syd	16 Can	21 Mel
DX741AU	QualityStage Essentials v8	4	\$3,400.00	\$3,740.00	27 Mel	17 Syd	17 Can	21 Mel	26 Syd	23 Can	28 Mel
DX710AU	ProfileStage Essentials	3	\$2,550.00	\$2,805.00							
DX746AU	QualityStage Advanced Concepts v8	3	\$2,550.00	\$2,805.00							
DX740AU	Data Quality Assessment Essentials v7.5	5	\$4,250.00	\$4,675.00							
DX750AU	Data Quality Assessment Essentials v8	4	\$3,400.00	\$3,740.00							
DX730AAU	QualityStage Essentials v7.5	4	\$3,400.00	\$3,740.00							
DX736AU	Advanced QualityStage	4	\$3,200.00	\$3,520.00							
DX434AU	DataStage Essentials for Enterprise Edition	4	\$3,200.00	\$3,520.00							
DX436AU	Advanced DataStage Enterprise Edition v7.5	4	\$3,200.00	\$3,520.00							
DX437AU	DataStage Administration v7.5	3	\$2,400.00	\$2,640.00							
DX720AAU	AuditStage Essentials	3	\$2,400.00	\$2,640.00							
DX810AU	FastTrack Essentials	1	\$850.00	\$935.00							
<b>NEW ZEALAND</b>											
DX444NZ	DataStage Essentials v8	4	\$4,400.00	\$4,950.00			3 Auk 3 Wel				
DX751NZ	Information Analysis	4	\$4,400.00	\$4,950.00				21 Auk 21 Wel			
DX741NZ	QualityStage Essentials v8	4	\$4,400.00	\$4,950.00					26 Auk 26 Wel		
<b>Optim</b>											
DT220AU	Basic IBM Optim Test Data Management for Open Systems	2.0	\$1,700.00	\$1,870.00		10 Can	31 Syd			16 Mel	
DT200AU	Basic IBM Optim Data Growth for Open Systems	2.0	\$1,700.00	\$1,870.00		19 Can		23 Syd		25 Mel	
DT210AAU	Basic IBM Optim Data Privacy for Open Systems	2.0	\$1,700.00	\$1,870.00		12 Can		2 Syd		18 Mel	
DT800AU	Basic IBM Optim Data Growth for z/OS	2.0	\$1,700.00	\$1,870.00			26 Can		28 Mel		2 Syd
DT810AAU	Basic IBM Optim Data Privacy for z/OS	2.0	\$1,700.00	\$1,870.00			12 Can		14 Mel		18 Syd
DT820AU	Basic IBM Optim Test Data Management for z/OS	2.0	\$1,700.00	\$1,870.00			10 Can		12 Mel		16 Syd
<b>FileNet</b>											
F0020AU	IBM FileNet P8 4.0 Platform Administration	5	\$4,250.00	\$4,675.00		2 Mel		20 Syd		15 Mel	
F0070AU	IBM FileNet P8 4.0 BPM Administration Add-On	5	\$4,250.00	\$4,675.00		9 Mel		27 Syd		22 Mel	
F0210AU	IBM FileNet BPM Process Design (4.0)	5	\$4,250.00	\$4,675.00			16 Mel		4 Syd		13 Mel
F745AU	IBM FileNet P8 Platform Administration (3.5)	5	\$4,250.00	\$4,675.00		2 Mel		20 Syd		15 Mel	
F746AU	IBM FileNet BPM Administration Add-On (3.5)	5	\$4,250.00	\$4,675.00		9 Mel		27 Syd		22 Mel	
F0010AU	IBM FileNet P8 4.0 Platform Installation	5	\$4,250.00	\$4,675.00							
F0050AU	IBM FileNet P8 4.0 CM Java API Programming	5	\$4,250.00	\$4,675.00							
F0090AU	IBM FileNet P8 4.0 BPM Java API Programming	5	\$4,250.00	\$4,675.00							
F487AU	IBM FileNet BPM Process Design (3.5)	5	\$4,250.00	\$4,675.00							
F747AU	IBM FileNet CM Java API Programming (3.5)	5	\$4,250.00	\$4,675.00							
F748AU	IBM FileNet BPM Java API Programming (3.5)	4	\$3,400.00	\$3,740.00							
F898AU	IBM FileNet Business Process Framework (BPF) Foundation (3.5)	3	\$2,550.00	\$2,805.00							
F899AU	IBM FileNet Business Process Framework (BPF) Developer 3.5)	2	\$1,700.00	\$1,870.00							
F9970AU	IBM FileNet P8 3.5 to 4.0 Platform Delta	3	\$2,550.00	\$2,805.00							
F9990AU	Java API Basics for IBM FileNet P8 Platform 4.0	1	\$850.00	\$935.00							

Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.

# Lotus

[ibm.com/training/au/lotus](http://ibm.com/training/au/lotus)

## Lotus Professional Certification

The IBM Certified Professional for Lotus Software program offers professionals a means to receiving recognition for their software mastery and expertise at many levels of competency and achievement. To learn more visit [ibm.com/certify/certs/lt\\_index.shtml](http://ibm.com/certify/certs/lt_index.shtml)

## New Courses now available

Visit [ibm.com/training](http://ibm.com/training) to view our complete list of course offerings.

WebSphere Portal					AUD
WP611AU	IBM WebSphere Portal 6.1 Application Development 1	3 Days	C/H		\$2,550
WP621AU	IBM WebSphere Portal 6.1 Application Development 2	2 Days	C/H		\$1,700
WP711AU	IBM WebSphere Portal 6.1 System Administration 1	3 Days	C/H		\$2,550
WP721AU	IBM WebSphere Portal 6.1 System Administration 2	2 Days	C/H		\$1,700
WP631AU	IBM WebSphere Portal 6.1 Application Development 1 & 2	5 Days	C/H		\$4,250
WP731AU	IBM WebSphere Portal 6.1 Administration – 1 & 2	5 Days	C/H		\$4,250
Notes and Domino 8					
ST850AU	Implementing an IBM Lotus Sametime 8 Infrastructure	1 Day	C/H		\$850
QR700AU	Administering IBM Lotus Quickr Version 8.1 for IBM Lotus Domino	1 Day	C/H		\$850
QR800AU	Administering IBM Lotus Quickr Version 8.1 for IBM WebSphere Portal	1 Day	C/H		\$850
WP460AU	Creating Forms Using IBM Lotus Forms 3.0	3 Days	C/H		\$2,550

## Curriculum Overview

IBM Lotus Notes, Domino, Sametime, Quickr, Connections, WebSphere Portal, Symphony, Forms, Expeditor

**Circa 1989:** Lotus Notes Release 1.0 ships and 35,000 copies sold. In that same year equally as many individuals launched their education and careers in Lotus software. Today, exceeding the 100 million mark for email clients in use, IBM Lotus software takes you into the new millennium with the Industry's richest communication and collaboration tools for business. Dashboards, Mashups, and Social software, Team Collaboration and Content Management, Instant Messaging, Mobile and Wireless, Web Conferencing and yes, an exciting, fresh and new E-mail & calendaring product, Notes Domino 8.0.

**Circa 2008:** Lotus training and education is essential for heightening business results. These results are dependent on broadening and maintaining the software skills of the people developing and supporting these powerful applications within your infrastructure. IBM Lotus offers a complete training curriculum to elevate any organization's performance to its most effective efficient level. In fact, the New Lotus method of Education introduces role-specific training for each member of your team matched to every stage of an IT deployment. Leverage your investment in IBM Lotus technology with the right skills at the right time. Choose Lotus Education!

## IBM WebSphere Portal

WebSphere Portal provides a single, integrated, personalized point of access to Lotus Domino applications and information, a variety of other applications and content, and productivity tools that provide a logical entry point to a flexible service oriented architecture (SOA). With an extensive portfolio of collaboration tools, WebSphere Portal is designed to empower people to be more effective by allowing partners, employees and customers to choose their user experience with personalized applications based on role, context, actions, location, preferences and team collaboration. Leverage the Portal platform; learn how to use the tools, sharpen skills and accelerate your business success.

## 2009 IBM Technical Seminars

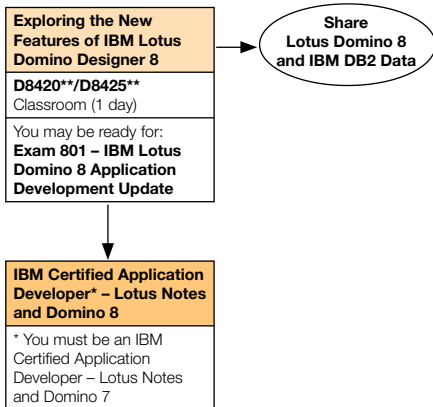
Lotus 2009 Technical Seminars Supercharge skills, in a single day, of power-packed in-depth training. One-day seminars designed for developers, architects, administrators and Business Partners to deepen skills and learn best practices on the entire Lotus portfolio. Six modular class tracks covering the most important aspects of Lotus technology. Visit [ibm.com/training/au/conf](http://ibm.com/training/au/conf)

The right tools make any job easier. But put those tools in the hands of an expert and the real potential is unlocked. The right training can reduce the time to value for your software investment. Get productive now with Lotus Education.

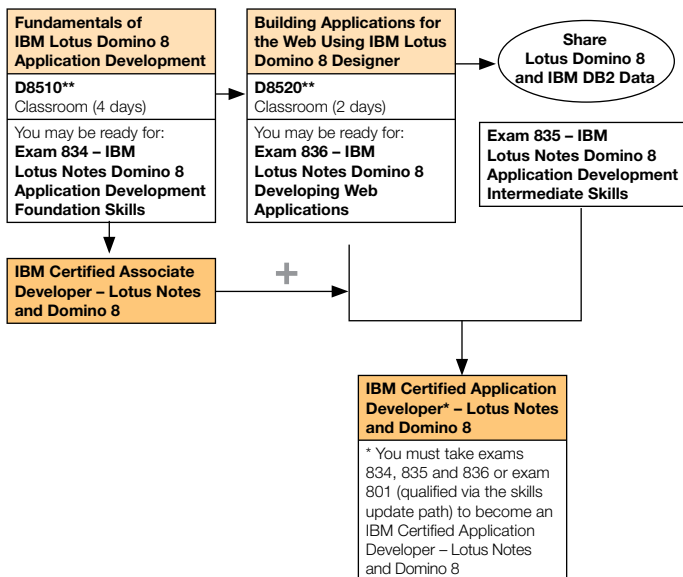


## IBM LOTUS DOMINO 8 ROADMAPS FOR APPLICATION DEVELOPERS

### Update your skills for Lotus Domino Designer 8

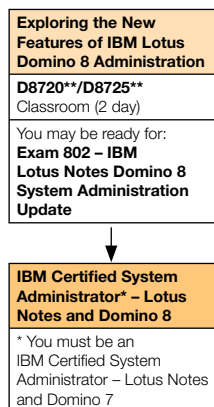


### Develop Lotus Domino 8 Applications



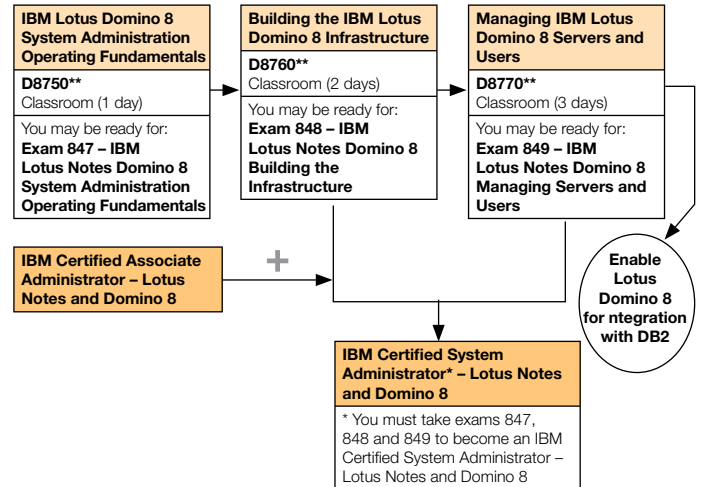
## EXPERIENCED IBM LOTUS DOMINO 8 ADMINISTRATORS ROADMAP

### Update your skills for Lotus Domino 8

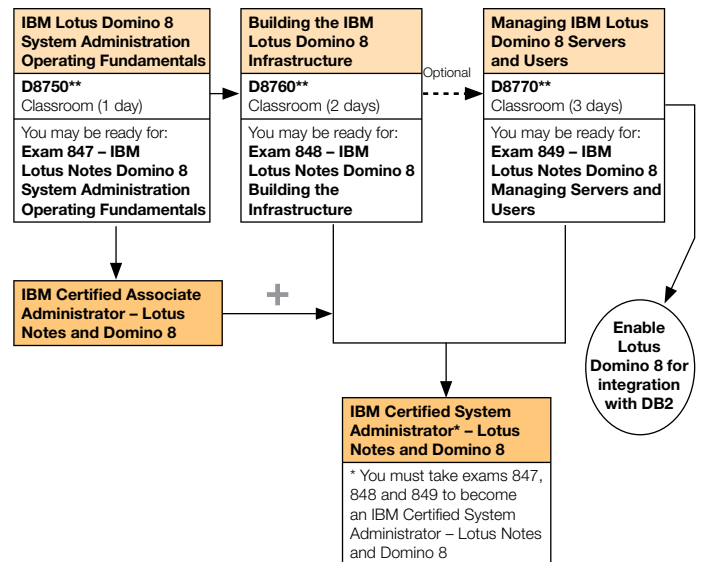


## IBM LOTUS DOMINO 8 SKILLS ROADMAPS FOR SYSTEMS ADMINISTRATORS NEW TO DOMINO

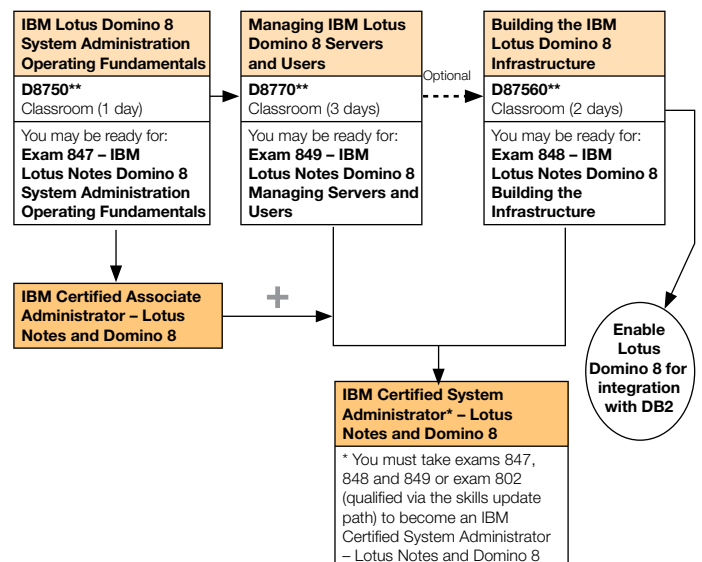
### Administer a Lotus Notes and Lotus Domino 8 Infrastructure



### Deploy a Lotus Notes and Lotus Domino 8 Infrastructure



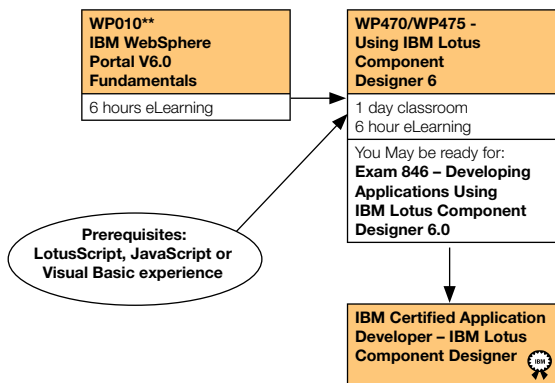
### Manage a Notes/Domino 8 Infrastructure



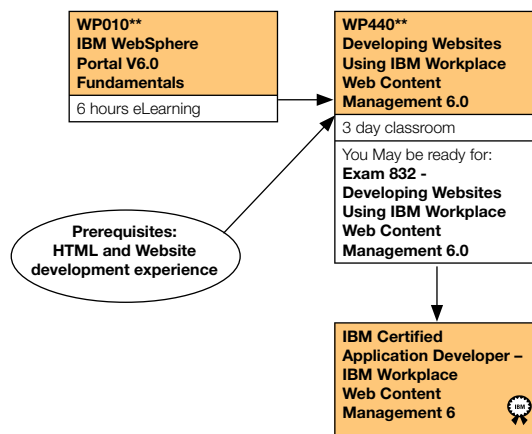
\*\* Course delivered in AU=Australia & NZ=New Zealand

## SKILLS AND LEARNING ROADMAPS FOR IBM WEBSHERE PORTAL V6 APPLICATION DEVELOPERS

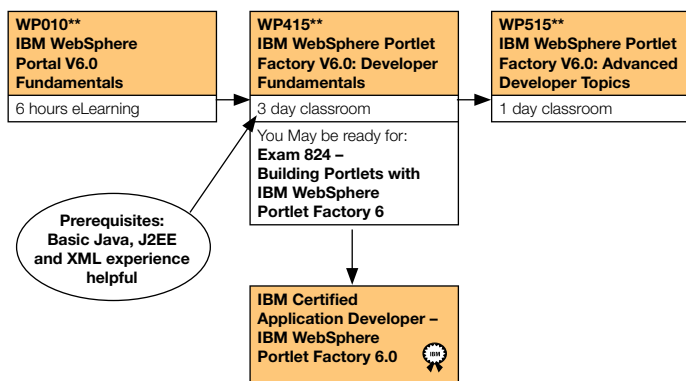
### Use IBM Lotus Component Designer



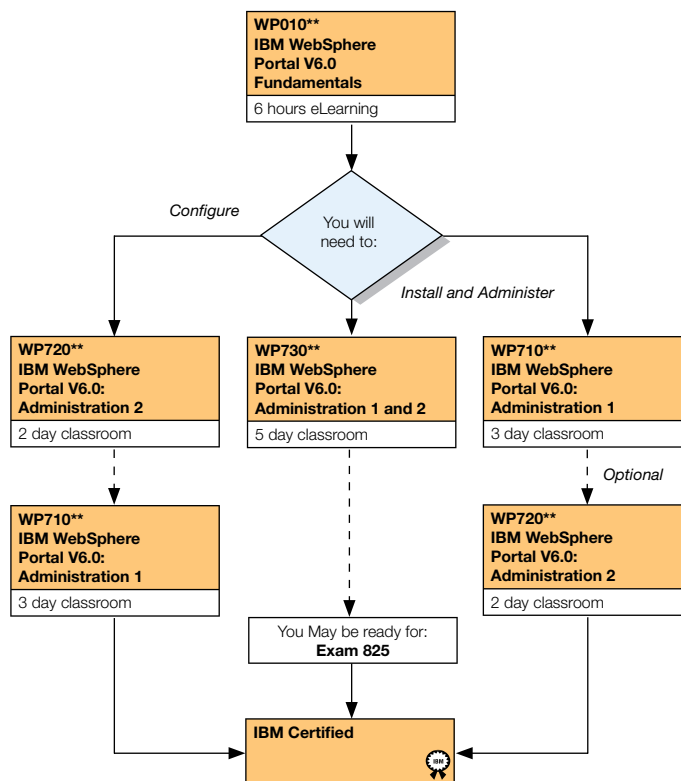
### Use IBM Workplace Web Content Management



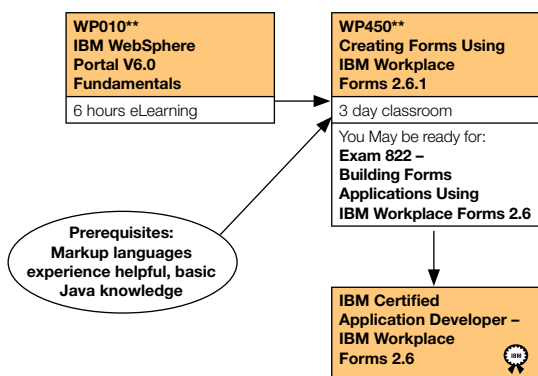
### Use IBM WebSphere Portlet Factory



### Configure a Clustered WebSphere Portal Environment. Administer a Basic WebPortal Environment. Install and Administer a WebSphere Portal Environment



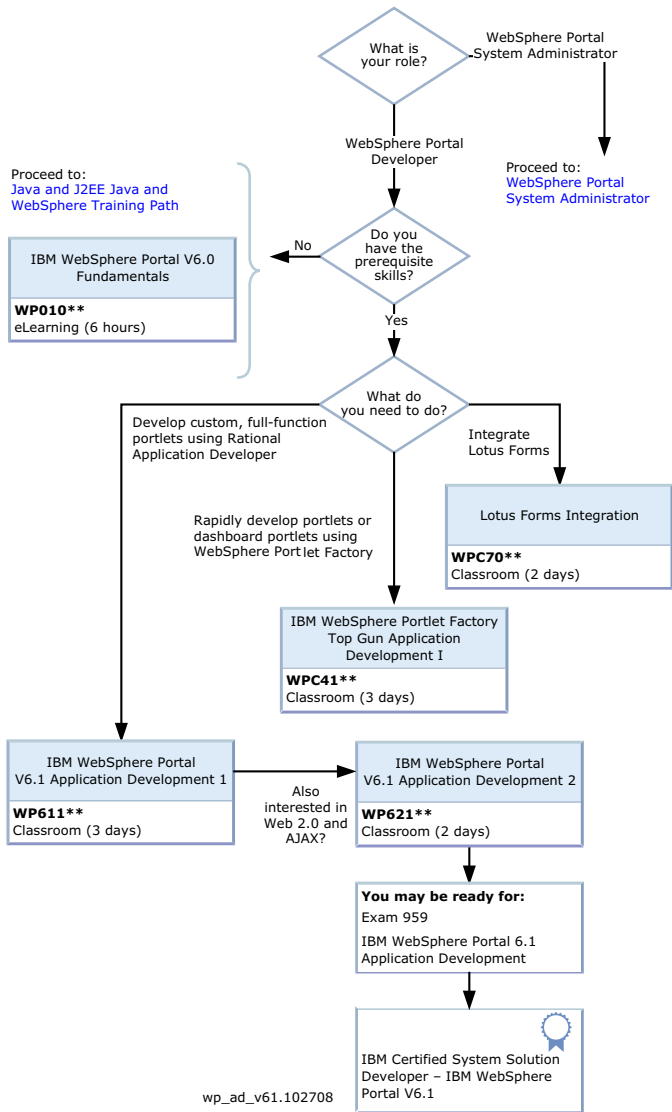
### Use IBM Workplace Forms



\*\* Course delivered in AU=Australia & NZ=New Zealand

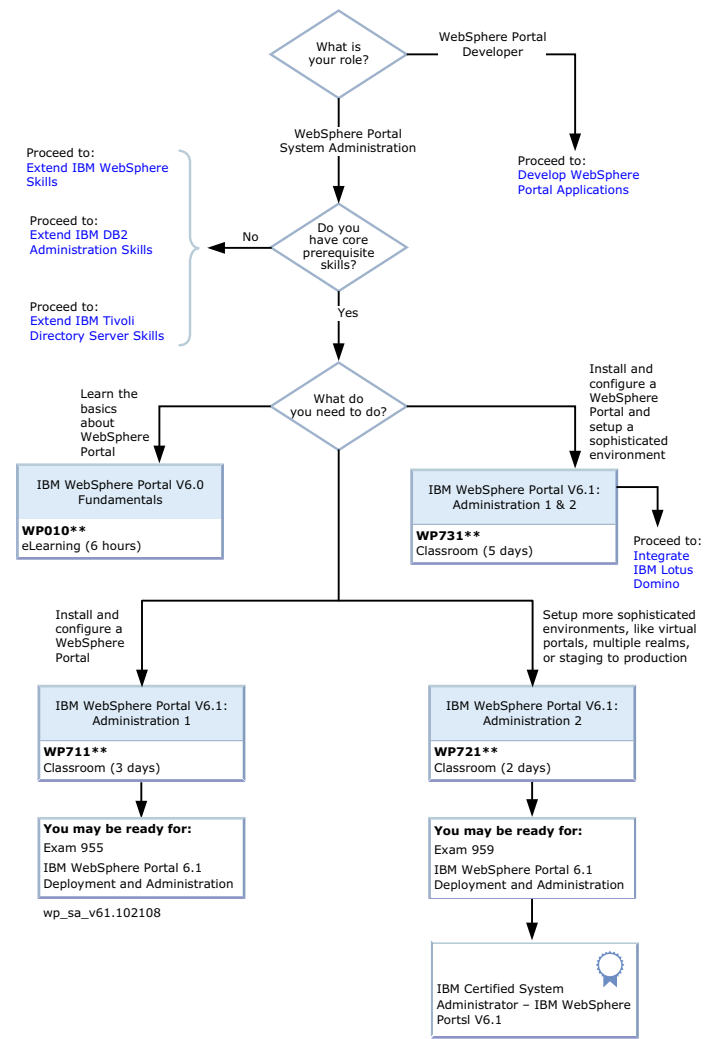
**WEBSHERE PORTAL SKILLS ROADMAPS**

**Application Developer**



**WEBSHERE PORTAL SKILLS ROADMAPS**

**System Administrator**



\*\* Course delivered in AU=Australia & NZ=New Zealand

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>AUSTRALIA</b>											
<b>Lotus Domino Help Desk Courses</b>											
D8360AU	Help Desk Basic Troubleshooting for IBM Lotus Domino 8	2	\$1,700.00	\$1,760.00		19 Mel	10 Syd	27 Mel	7 Syd	25 Mel	
N7D360AU	Help Desk Basic Troubleshooting for IBM Lotus Domino 7	2	\$1,700.00	\$1,870.00				16 Mel			2 Mel
<b>Lotus Domino 8 – Systems Administration</b>											
D8720AU	Exploring the New Features of IBM Lotus Domino 8 Administration	2	\$1,700.00	\$1,760.00	22 Mel		12 Mel		18 Mel		20 Mel
D8750AU	IBM Lotus Domino 8 System Administration Operating Fundamentals	1	\$850.00	\$880.00		9 Mel 9 Can	2 Syd	1 Mel	1 Syd 1 Can	2 Mel	
D8760AU	Building the IBM Lotus Domino 8 Infrastructure	2	\$1,700.00	\$1,870.00		10 Mel 10 Can	3 Syd	2 Mel	4 Syd 4 Can	3 Mel	
D8770AU	Managing IBM Lotus Domino 8 Server and User	3	\$2,550.00	\$2,805.00		16 Mel 16 Can	10 Syd	6 Mel	6 Syd 6 Can	10 Mel	
D8900AU	System Administration BootCamp	5	\$4,250.00	\$4,675.00			16 Mel	27 Syd	11 Mel	29 Syd	13 Mel
<b>Application Development</b>											
D8420AU	Exploring the New Features in IBM Lotus Domino Designer 8	1	\$850.00	\$935.00	21 Mel	2 Syd 2 Can	11 Mel	3 Syd	1 Mel	22 Mel 22 Can	
D8510AU	Fundamentals of IBM Lotus Domino 8 Application Development	4	\$3,400.00	\$3,740.00	12 Mel 12 Syd	23 Mel 3 Syd 3 Can		20 Mel		15 Mel 15 Can	27 Mel 27 Can
D8520AU	Building Web Applications with IBM Lotus Domino Designer 8	2	\$1,700.00	\$1,870.00	19 Syd	16 Mel 23 Syd 23 Can	23 Mel	14 Syd	20 Mel		6 Mel 6 Can
D8530AU	Developing IBM Lotus Domino 8 Applications: Intermediate Skills	3	\$2,550.00	\$2,640.00	21 Syd 28 Mel	25 Syd 25 Can	4 Mel	22 Syd	5 Mel	29 Mel 29 Can	
<b>Lotus Domino 7 – Systems Administration</b>											
N7D750AU	IBM Lotus Domino 7 System Administration Operating Fundamentals	1	\$850.00	\$935.00			23 Mel	3 Syd		22 Mel	
N7D760AU	Building the IBM Lotus Domino 7 Infrastructure	2	\$1,700.00	\$1,870.00			24 Mel	6 Syd		23 Mel	
N7D770AU	Managing IBM Lotus Domino 7 Servers and Users	2	\$1,700.00	\$1,870.00	15 Mel		26 Mel	8 Syd		25 Mel	
N7D780AU	Configuring IBM Lotus Domino 7 Web Servers	1	\$850.00	\$935.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>Domino Application Developer</b>											
N7D510AU	Fundamentals of IBM Lotus Domino 7 Application Development	4	\$3,400.00	\$3,740.00		23 Mel		20 Mel	11 Syd	15 Mel	27 Mel
N7D520AU	Building Web Applications with IBM Lotus Domino Designer 7	2	\$1,700.00	\$1,870.00					18 Syd 25 Mel		22 Mel
N7D530AU	Developing IBM Lotus Domino 7 Applications: Intermediate Skills	3	\$2,550.00	\$2,805.00				29 Mel	20 Syd	24 Mel	
N7D540AU	Using Lotus Script in IBM Lotus Domino 7 Applications	3	\$2,550.00	\$2,805.00			18 Mel		27 Syd	10 Mel	
<b>WebSphere Portlet Factory &amp; Dashboard</b>											
WP416AU	IBM WebSphere Portlet Factory V6.0.1: Developer Fundamentals	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
WP516AU	IBM WebSphere Portlet Factory V6.0.1: Advanced Developer Topics	1	\$850.00	\$935.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
WP520AU	Using IBM WebSphere Dashboard Framework 6.0	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WebSphere Portal v6</b>											
WP610AU	IBM WebSphere Portal V6 Application Development	4	\$3,400.00	\$3,740.00			2 Mel				
WP710AU	IBM WebSphere Portal V6 Administration 1	3	\$2,550.00	\$2,805.00	19 Mel			27 Syd			6 Mel
WP720AU	IBM WebSphere Portal V6 Administration 2	2	\$1,700.00	\$1,870.00	22 Mel			30 Syd			9 Mel
WP730AU	IBM WebSphere Portal V6 Administration 1 and 2	5	\$4,250.00	\$4,675.00	19 Mel			27 Syd			6 Mel
<b>WebSphere Portal v6.1</b>											
WP711AU	IBM WebSphere Portal V6.1 System Administration 1	3	\$2,550.00	\$2,805.00			16 Syd 16 Can		18 Mel		20 Syd
WP721AU	IBM WebSphere Portal V6.1 System Administration 2	2	\$1,700.00	\$1,870.00			19 Syd 19 Can		21 Mel		23 Syd
WP731AU	IBM WebSphere Portal V6.1 Administration 1 and 2	5	\$4,250.00	\$4,675.00			16 Syd 16 Can		18 Mel		20 Syd
WP611AU	IBM WebSphere Portal V6.1 Application Development 1	3	\$2,550.00	\$2,805.00	9 Mel			20 Syd		1 Mel	
WP621AU	IBM WebSphere Portal V6.1 Application Development 2	2	\$1,700.00	\$1,870.00	12 Mel			23 Syd		4 Mel	
WP631AU	IBM WebSphere Portal V6.1 Application Development 1 and 2	5	\$4,250.00	\$4,675.00	9 Mel			20 Syd		1 Mel	
<b>Web Content</b>											
WP430AU	Publishing Web Content Using IBM Workplace Web Content Management 6	1	\$850.00	\$935.00	27 Syd		30 Mel		4 Syd		3 Mel
WP440AU	Developing Web Sites Using IBM Workplace Web Content Management 6	3	\$2,550.00	\$2,805.00	28 Syd		31 Mel		5 Syd		6 Mel
<b>Workplace Forms</b>											
WP450AU	Creating Forms Using IBM Workplace Forms 2.6.1	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
WP460AU	Creating Forms Using IBM Workplace Forms 3.0	3	\$2,550.00	\$2,805.00	23 Mel			20 Syd		17 Mel	
<b>QuickR</b>											
QR700AU	Administering IBM® Lotus® Quickr™ 8.1 Services for IBM Lotus Domino® 8	1	\$850.00	\$880.00		26 Syd		6 Mel		4 Syd	
QR800AU	Administering IBM® Lotus® Quickr™ 8.1 Services for IBM WebSphere Portal	1	\$850.00	\$880.00		27 Syd		7 Mel		5 Syd	
<b>Sametime</b>											
ST735AU	Implementing an IBM Lotus Sametime 7.5 Infrastructure	1	\$850.00	\$935.00			6 Mel				
ST850AU	Implementing an IBM® Lotus® Sametime® 8 Infrastructure	1	\$850.00	\$935.00	30 Mel			24 Syd			31 Mel

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>Lotus Connections</b>											
CN710AU	Implementing IBM® Lotus® Connections	1	\$850.00	\$935.00		13 Mel		8 Syd			3 Mel
<b>Instructor Led On-Line and Self Paced</b>											
For a comprehensive listing of all our Instructor Led On-Line and Self Paced Offerings please visit our website <a href="http://ibm.com/training/au">ibm.com/training/au</a> or contact 1800 801 088 to register your interest.											
<b>NEW ZEALAND</b>											
<b>Lotus Domino 8 – Systems Administration</b>											
D8360NZ	Help Desk Basic Troubleshooting for IBM Lotus Domino 8	2	\$2,200.00	\$2,475.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
D8720NZ	Exploring the New Features of IBM Lotus Domino 8 Administration	2	\$2,200.00	\$2,475.00			9 Wel		11 Auk		6 Wel
D8750NZ	IBM Lotus Domino 8 System Administration Operating Fundamentals	1	\$1,100.00	\$1,237.50	26 Auk		11 Wel		13 Auk		8 Wel
D8760NZ	Building the IBM Lotus Domino 8 Infrastructure	2	\$2,200.00	\$2,475.00			12 Wel		14 Auk		9 Wel
D8770NZ	Managing IBM Lotus Domino 8 Server and User	3	\$3,300.00	\$3,712.50			16 Wel		18 Auk		13 Wel
<b>Application Development</b>											
D8420NZ	Exploring the New Features in IBM Lotus Domino Designer 8	1	\$1,100.00	\$1,237.50				6 Wel			8 Auk
D8510NZ	Fundamentals of IBM Lotus Domino 8 Application Development	4	\$4,400.00	\$4,950.00	19 Auk			14 Wel			9 Auk
D8520NZ	Building Web Applications with IBM Lotus Domino Designer 8	2	\$2,200.00	\$2,475.00	26 Auk			20 Wel			15 Auk
D8530NZ	Developing IBM Lotus Domino 8 Applications: Intermediate Skills	3	\$3,300.00	\$3,712.50	28 Auk			22 Wel			17 Auk
<b>Lotus Domino – Systems Administration</b>											
N7D750NZ	IBM Lotus Domino 7 System Administration Operating Fundamentals	1	\$1,100.00	\$1,237.50			2 Wel			11 Auk	
N7D760NZ	Building the IBM Lotus Domino 7 Infrastructure	2	\$2,200.00	\$2,475.00			3 Wel			12 Auk	
N7D770NZ	Managing IBM Lotus Domino 7 Servers and Users	2	\$2,200.00	\$2,475.00			5 Wel			14 Auk	
N7D360NZ	Help Desk Basic Troubleshooting for IBM Lotus Domino 7	2	\$2,200.00	\$2,475.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
N7D720NZ	Exploring the New Features of IBM Lotus Domino 7 Administration	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
N7D780NZ	Configuring IBM Lotus Domino 7 Web Servers	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
ST735NZ	Implementing an IBM Lotus Sametime 7.5 Infrastructure	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>Domino Application Developer</b>											
N7D510NZ	Fundamentals of IBM Lotus Domino 7 Application Development	4	\$4,400.00	\$4,950.00				20 Auk			15 Wel
N7D520NZ	Building Web Applications with IBM Lotus Domino Designer 7	2	\$2,200.00	\$2,475.00				27 Auk			22 Wel
N7D530NZ	Developing IBM Lotus Domino 7 Applications: Intermediate Skills	3	\$3,300.00	\$3,712.50				29 Auk			24 Wel
N7D420NZ	Exploring the New Features of IBM Lotus Domino Designer 7	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
N7D540NZ	Using Lotus Script in IBM Lotus Domino 7 Applications	3	\$3,300.00	\$3,712.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WebSphere Portlet Factory &amp; Dashboard</b>											
WP416NZ	IBM WebSphere Portlet Factory V6.0.1: Developer Fundamentals	3	\$3,300.00	\$3,712.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
WP516NZ	IBM WebSphere Portlet Factory V6.0.1: Advanced Developer Topics	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
WP520NZ	Using IBM WebSphere Dashboard Framework 6.0	2	\$2,200.00	\$2,475.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>WebSphere Portal v6</b>											
WP610NZ	IBM WebSphere Portal V6 Application Development	4	\$4,400.00	\$4,950.00		16 Wel				11 Auk	
WP710NZ	IBM WebSphere Portal V6 Administration 1	3	\$3,300.00	\$3,712.50		23 Wel				18 Auk	
WP720NZ	IBM WebSphere Portal V6 Administration 2	2	\$2,200.00	\$2,475.00		26 Wel				21 Auk	
WP730NZ	IBM WebSphere Portal V6 Administration 1 and 2	5	\$5,500.00	\$6,187.50		23 Wel				18 Auk	
<b>WebSphere Portal v6.1</b>											
WP711NZ	IBM WebSphere Portal V6.1 System Administration 1	3	\$3,300.00	\$3,712.50			16 Auk				15 Wel
WP721NZ	IBM WebSphere Portal V6.1 System Administration 2	2	\$2,200.00	\$2,475.00			19 Auk				18 Wel
WP731NZ	IBM WebSphere Portal V6.1 Administration 1 and 2	5	\$5,500.00	\$6,187.50			16 Auk				15 Wel
WP611NZ	IBM WebSphere Portal V6.1 Application Development 1	3	\$3,300.00	\$3,712.50				27 Wel			13 Auk
WP621NZ	IBM WebSphere Portal V6.1 Application Development 2	2	\$2,200.00	\$2,475.00				30 Wel			16 Auk
WP631NZ	IBM WebSphere Portal V6.1 Application Development 1 and 2	5	\$5,500.00	\$6,187.50				27 Wel			13 Auk
<b>Web Content</b>											
WP430NZ	Publishing Web Content Using IBM Workplace Web Content Management 6	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
WP440NZ	Developing Web Sites Using IBM Workplace Web Content Management 6	3	\$3,300.00	\$3,712.50		23 Wel				25 Auk	
<b>Workplace Forms</b>											
WP460NZ	Creating Forms Using IBM Workplace Forms 3.0	3	\$3,300.00	\$3,712.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>QuickR</b>											
QR700NZ	Administering IBM® Lotus® Quickr™ 8.1 Services for IBM Lotus Domino® 8	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
QR800NZ	Administering IBM® Lotus® Quickr™ 8.1 Services for IBM WebSphere Portal	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>Sametime</b>											
ST735NZ	Implementing an IBM Lotus Sametime 7.5 Infrastructure	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
ST850NZ	Implementing an IBM® Lotus® Sametime® 8 Infrastructure	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>Lotus Connections</b>											
CN710NZ	Implementing IBM® Lotus® Connections	1	\$1,100.00	\$1,237.50	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>Instructor Led On-Line and Self Paced</b>											
For a comprehensive listing of all our Instructor Led On-Line and Self Paced Offerings please visit our website <a href="http://ibm.com/training/au">ibm.com/training/au</a> or contact 1800 801 088 to register your interest.											



# Rational software

[ibm.com/training/au/rational](http://ibm.com/training/au/rational)

## Curriculum Overview

IBM Rational software helps organizations automate, integrate, and govern the core business process of software and systems delivery via the IBM Rational Software Delivery Platform. Offering an array of products, services, and best practices, this open, modular, and proven solution spans the entire software and systems delivery lifecycle.

The Rational training portfolio is designed to help meet your skill building needs in the four lifecycle categories of Architecture Management, Change and Release Management, Process and Portfolio Management, and Quality Management.

### Architecture Management

Architecture management is a discipline, which focuses on governing changes with software architecture and ensuring architectural integrity and alignment with current requirements and implementations. Our curriculum provides skills with industry-leading architecture management tools for architecture and design modeling, model-driven development, component testing, static and runtime analysis activities.

### Change and Release Management

Software development is an increasingly complex and dynamic activity. Development frequently occurs in teams that perform parallel development on the same application, often in geographically distributed locations. Our curriculum helps software and systems development teams empower the business by accelerating software delivery, making global teams more efficient, and governing end-to-end software processes.

### Process and Portfolio Management

Process and Portfolio Management Process and portfolio managers need to prioritize investments across projects and accurately scope, estimate, schedule and manage resources. IBM Rational delivers with tools to manage the IT project portfolio lifecycle, reusable processes to manage project work, application lifecycle management solutions to bridge development and operations, and proven expertise in facilitating the organizational transformation that is essential to aligning IT with business objectives. Our curriculum helps customers by training them on the proper use of proven tools and practices.

### Quality Management

Quality is the subjective impression felt by end users about how well an application addresses their needs. The IBM Rational toolset provides guidance, best practices and integrated tools, which supports a broad range of heterogeneous applications to help organizations achieve improvements in cost efficiency, quality metrics and time-to-value for business-critical projects. Our curriculum empowers teams to build quality into their products, using automation capabilities to accelerate discovery and diagnosis, ensuring clean communication between the business, development, quality assurance and IT operations.

There are many ways to learn concepts, develop skills, and gain the specialized knowledge needed to master the art of software and systems delivery via the IBM Rational Software Delivery Platform. For more details, visit [ibm.com/training/au/rational](http://ibm.com/training/au/rational)

## Web-based Training: A green Alternative to Traveling to Class

### Help reduce your carbon footprint while building skills.

Web-based courses and course collections are priced as a portfolio of courses and available on a per user basis for one year. Besides in-depth product instruction, each course collection has user authentication and tracking/reporting, and is specifically designed to bring self-paced courses and information "front and center" for the student. To learn more about the WBT courses offered through IBM Learner Portal, visit [ibm.com/training/au/rational](http://ibm.com/training/au/rational)

## Instructor-Led Online Training

### Instructor-led Online Training (ILO) – the ideal "no travel" solution.

Instructor-led online training delivers a synchronous, real-time learning experience, including live instructor guidance, group interactions and hands-on labs that allow participants to apply their knowledge right away in their own IT environments. Protect our planet. Save Resources. Reduce Costs.

## Rational Professional Certification

### Validate your technical and sales expertise by certifying your skills.

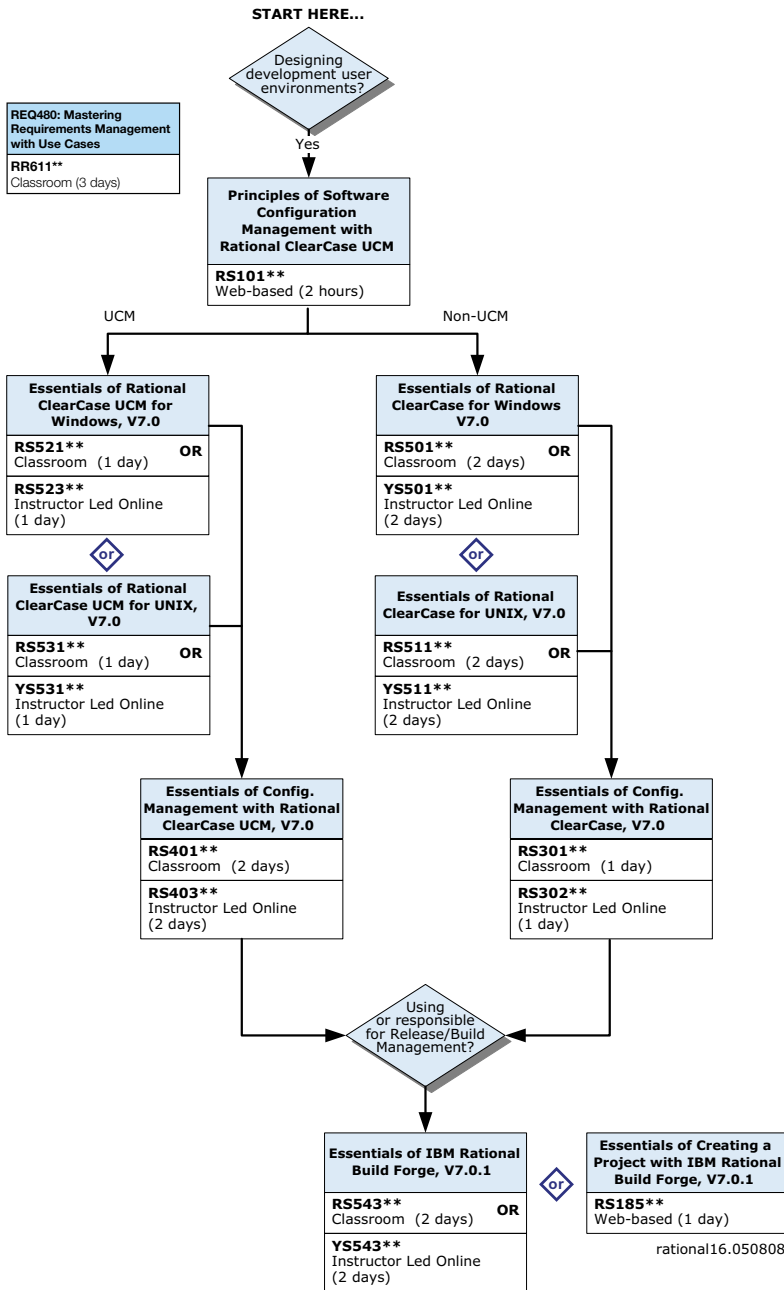
Differentiate yourself and join the ranks of technical professionals who expand and promote their skills by becoming a part of the IBM Certified Community! Each exam offered relates to a specific certification path, which consists of a series of tests specifically designed to validate one's technical proficiency. To learn more about exam requirements, certification description, test objectives, recommended educational resources and estimated testing time, visit [ibm.com/certify](http://ibm.com/certify)

## View the Latest on Telelogic Onsite, Public and e-Learning Courses:

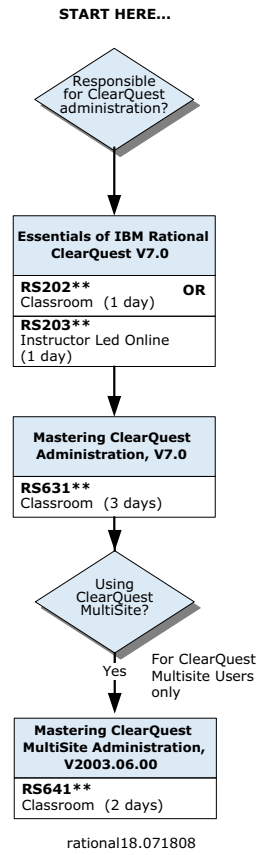
[www.telelogic.com/training](http://www.telelogic.com/training)

IBM RATIONAL ADMINISTRATOR – SKILLS ROADMAP

Administrator: Configuration Manager/Release Manager



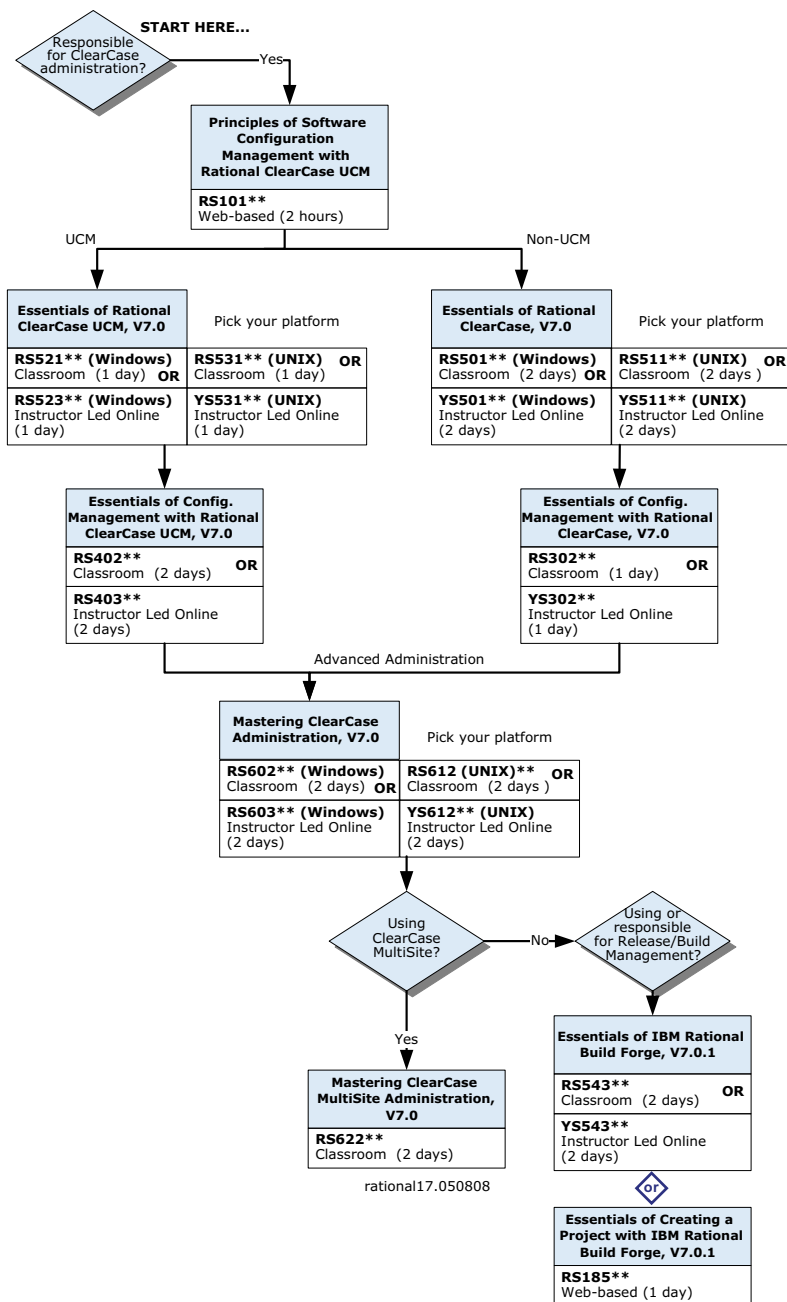
Administrator: ClearQuest Administrator



\*\* Course delivered in AU=Australia & NZ=New Zealand

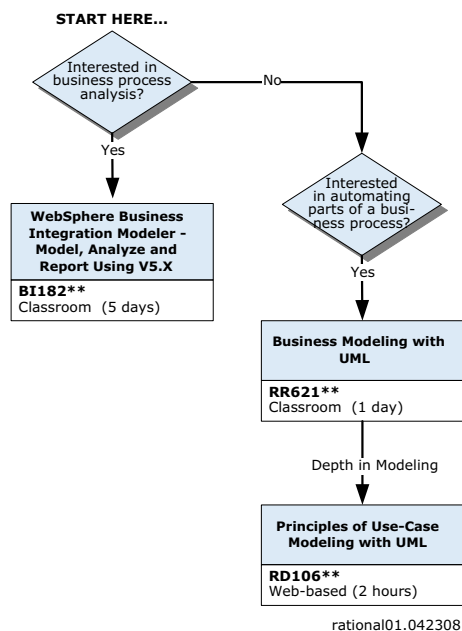
## IBM RATIONAL ADMINISTRATOR – SKILLS ROADMAP

### Administrator: ClearCase Administrator



## IBM RATIONAL ANALYST – SKILLS ROADMAP

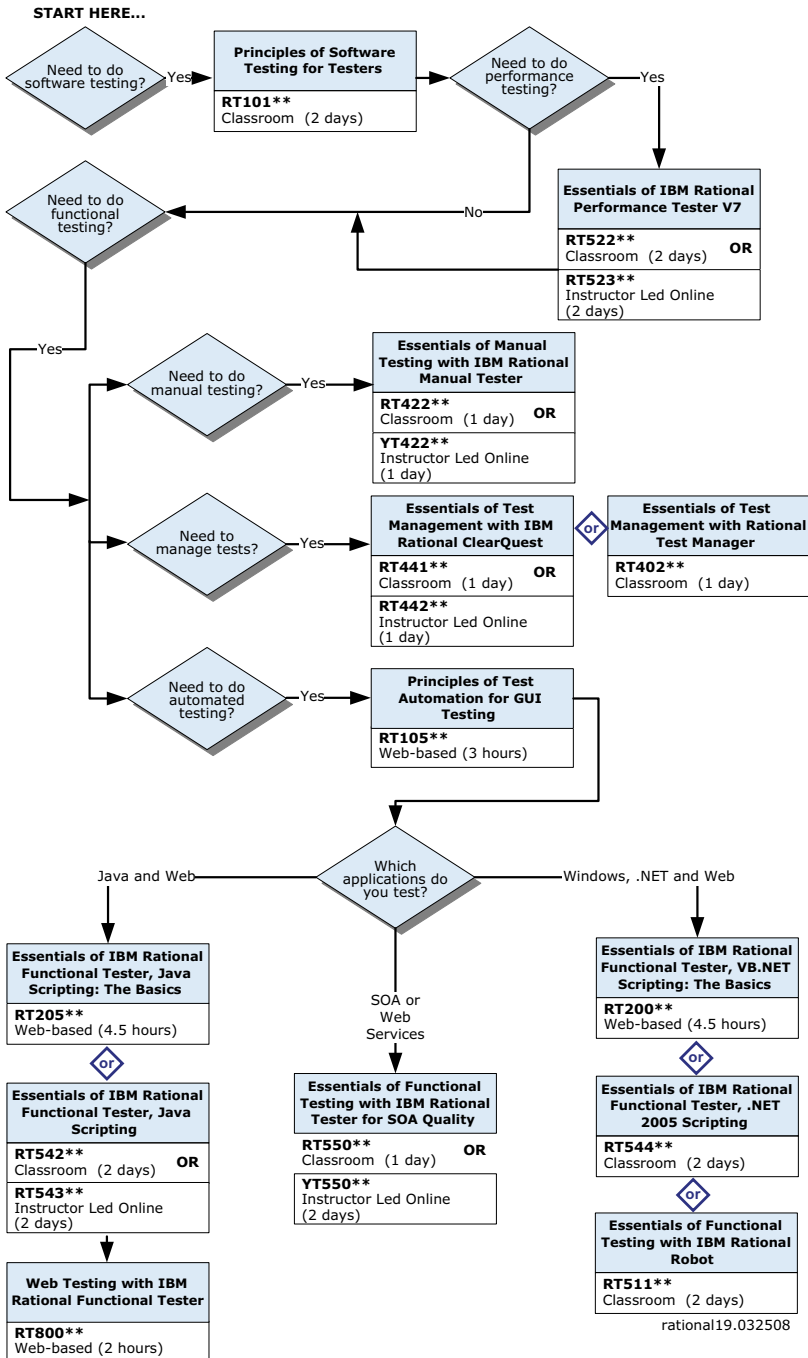
### Analyst: Business Analyst



\*\* Course delivered in AU=Australia & NZ=New Zealand

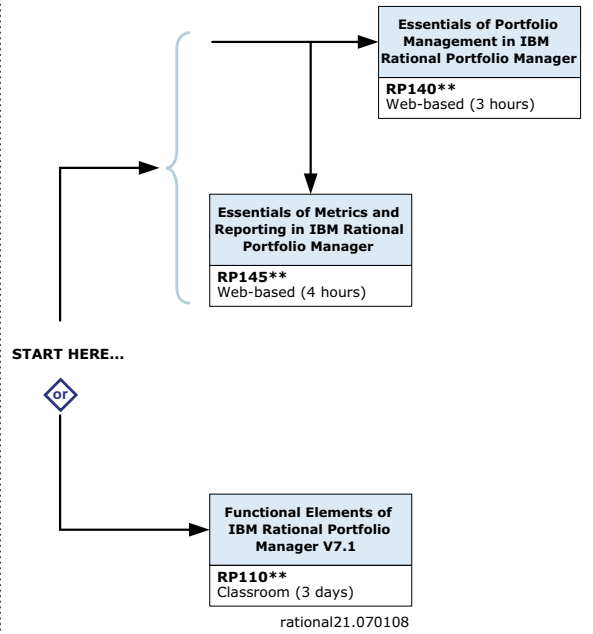
**IBM RATIONAL TESTER – SKILLS ROADMAP**

**Tester: Functional and Performance Tester Curriculum (Current)**



**IBM RATIONAL PROCESS AND PROJECT MANAGERS – SKILLS ROADMAP**

**Portfolio Manager (Rational Portfolio Manager)**



\*\* Course delivered in AU=Australia & NZ=New Zealand

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>AUSTRALIA</b>											
<b>Developer and Development Tools</b>											
RD805AU	Developing COBOL with IBM Rational Developer for System z	3	\$2,550.00	\$2,805.00					11 Syd		
RD195AU	Essentials of IBM Rational Software Analyzer, v7.0	1	\$850.00	\$935.00		6 Mel		13 Syd		19 Can	
RD541AU	DEV396: Essentials of Rational Software Architect V7	2	\$1,700.00	\$1,870.00	27 Mel		04 Syd				
RD801AU	Pattern Implementation Workshop with IBM Rational Software Architect, v7.0	4	\$3,400.00	\$3,740.00		09 Mel		07 Syd			
RD793AU	Mastering EJB Dev. with Rational Application Developer v7	5	\$4,250.00	\$4,675.00			3 Mel		20 Syd		
RD794AU	Mastering Web Application Dev. with Rational Application Developer v7	5	\$4,250.00	\$4,675.00				27 Mel		01 Syd	
RD561AU	DEV394: Essentials of Rational Software Modeler v7.0	1	\$850.00	\$935.00		02 Mel	06 Syd				15 Mel
RD571AU	DEV398: Essentials of IBM Rational Software Architect Extensibility	1	\$850.00	\$935.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
RD792AU	Mastering Servlet and JSP Development with Rational Application Developer, V7	5	\$4,250.00	\$4,675.00							
RD795AU	Mastering JSF Development with Rational Application Developer V7	3	\$2,550.00	\$2,805.00							
RD745AU	Mastering JSF and IBM Rational Business Developer, V7.1	3	\$2,550.00	\$2,805.00							
RD405AU	Essentials of Managing Software Assets with IBM Rational Asset Manager, v7.0	1	\$850.00	\$935.00							
RD551AU	Essentials of IBM Rational Systems Developer, V7	2	\$1,700.00	\$1,870.00							
RD582AU	Essentials of IBM Rational Systems Developer for System Development, V7	1	\$850.00	\$935.00							
<b>Process and Project Management</b>											
RP522AU	PRJ350: Essentials of Tailoring Methods with Rational Method Composer	2	\$1,700.00	\$1,870.00		04 Syd			11 Mel		
RP601AU	PRJ480: Mastering the Management of Iterative Development v2	2	\$1,700.00	\$1,870.00		02 Can	10 Syd	06 Mel			
RR621AU	Business Modeling with UML v1.0	1	\$850.00	\$935.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>Software Configuration and Change Management</b>											
RS318AU	Essentials of IBM Rational ClearCase UCM Using ClearCase Remote Client, V7.0	1	\$850.00	\$935.00	19 Mel			07 Syd			04 Can
RS201AAU	SCM290 Essentials of Rational ClearQuest v7	1	\$850.00	\$935.00	21 Mel			09 Syd			01 Can
RS521AU	SCM275: Essentials of Rational® ClearCase® UCM for Windows v7	1	\$850.00	\$935.00			17 Mel	15 Syd			16 Can
RS543AU	Essentials of IBM Rational Build Forge, v7.0.1	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
RS402AU	SCM375 Configuration Management with IBM Rational ClearCase UCM, v7.0 (I)	2	\$1,700.00	\$1,870.00				16 Mel	21 Syd		
RS501AU	SCM270 Essentials of Rational ClearCase for Windows, v7	2	\$1,700.00	\$1,870.00		09 Mel	26 Syd			15 Can	20 Syd
RS602AU	SCM470 Mastering IBM Rational ClearCase Administration for Windows, v7.0 (I)	2	\$1,700.00	\$1,870.00					14 Mel	09 Syd	
RS631AU	SCM490: Mastering Rational ClearQuest Administration v7	3	\$2,550.00	\$2,805.00			18 Mel		18 Syd		
RS202AU	Essentials of IBM Rational ClearQuest, V7.0	1	\$850.00	\$935.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
RS622AU	Mastering IBM Rational ClearCase Multisite Administration, V7.0	2	\$1,700.00	\$1,870.00							
RS641AU	Mastering Rational ClearQuest Multisite Administration	2	\$1,700.00	\$1,870.00							
RS302AU	RS302 Essentials of Configuration Management with IBM Rational ClearCase v7.0	1	\$850.00	\$935.00							
RS315AU	Essentials of IBM Rational ClearCase Remote Client V7.0	2	\$1,700.00	\$1,870.00							
RS511AU	SCM271 Essentials of Rational ClearCase for UNIX, v7	2	\$1,700.00	\$1,870.00							
RS531AU	SCM276 v2 Essentials of Rational ClearCase UCM v7.0 for UNIX	1	\$850.00	\$935.00							
RS612AU	SCM471 Mastering IBM Rational ClearCase Administration for Unix, v7.0	2	\$1,700.00	\$1,870.00							
<b>Software Quality (Testing and Test Tools)</b>											
RT402AU	TST275 Essentials of Test Management with IBM Rational TestManager, V7.0	1	\$850.00	\$935.00	30 can	13 Syd	16 Mel			17 Syd	10 Mel
RT522AU	Essentials of IBM Rational Performance Tester, V7.0	2	\$1,700.00	\$1,870.00				20 Can		22 Syd	13 Mel
RT542AU	TST279: Essentials of IBM Rational Functional Tester, Java Scripting v7	2	\$1,700.00	\$1,870.00				20 Can		22 Syd	13 Mel
RT511AU	TST277: Essentials of Functional Testing with Rational Robot	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
RT550AU	Essentials of Functional Testing with IBM Rational Tester for SOA Quality, V7.0.	1	\$850.00	\$935.00							
RT421AU	TST270: Essentials of Manual Testing with Rational Manual Tester	1	\$850.00	\$935.00							
RT422AU	Essentials of Manual Testing with IBM Rational Manual Tester, v7.0	1	\$850.00	\$935.00							
RT441AU	TST290: Essentials of Test Management with IBM Rational ClearQuest v7	1	\$850.00	\$935.00		17 Can	31 Syd	08 Mel			06 Syd
RT522AU	TST370: Essentials of IBM Rational Performance Tester, v7	2	\$1,700.00	\$1,870.00			23 Can		06 Syd	18 Mel	

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>Requirements Management</b>											
RR331AU	Essentials of IBM Rational RequisitePro V7.0 (REQ370)	1	\$850.00	\$935.00	23 Syd	11 Mel		23 Can		19 Mel	22 Syd
RR611AU	REQ480: Mastering Requirements Management with Use Cases	3	\$2,550.00	\$2,805.00		18 Syd	23 Mel			09 Can	
RR201AU	REQ270: Essentials of IBM Rational RequisiteWeb	1	\$850.00	\$935.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
RR631AU	REQ570: Writing Good Use Cases	1	\$850.00	\$935.00							
RR202AU	Essentials of IBM Rational RequisitePro Client for Web, V7.0.1	1	\$850.00	\$935.00							
<b>Process and Portfolio Management</b>											
RP110AU	Functional Elements of IBM Rational Portfolio Manager, V7.1	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
RP214AU	Basic Method Authoring with IBM Rational Method Composer, V7.2	2	\$1,700.00	\$1,870.00							
RP523AU	Essentials of IBM Rational Method Composer, V7.1	2	\$1,700.00	\$1,870.00							
RP601AU	Mastering the Management of Iterative Development V2	2	\$1,700.00	\$1,870.00							
RP401AU	PRJ270 Essentials of Rational Unified Process v7	2	\$1,700.00	\$1,870.00		26 Can			04 Syd	11 Mel	
<b>Software oriented Architecture</b>											
RA902AU	Architecting Services with IBM Rational Software Architect V7	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>NEW ZEALAND</b>											
<b>Software Configuration Management</b>											
RS201NZ	SCM290 Essentials of Rational ClearQuest v7	1	\$1,100.00	\$1,237.50		23 Auk	30 Wel			05 Wel	29 Auk
RS501NZ	SCM270 Essentials of Rational ClearCase for Windows, v7	2	\$2,200.00	\$2,475.00		24 Auk	31 Wel				
RS521NZ	SCM275: Essentials of Rational® ClearCase® UCM for Windows v7	1	\$1,100.00	\$1,237.50				28 Wel	26 Auk		
RS602NZ	SCM470 Mastering IBM Rational ClearCase Administration for Windows, v7.0 (I)	2	\$2,200.00	\$2,475.00						03 Wel	27 Auk
RS631NZ	SCM490: Mastering Rational ClearQuest Administration v7	3	\$3,300.00	\$3,712.50				29 Wel	27 Auk		
RS511NZ	SCM271 Essentials of Rational ClearCase for UNIX, v7	2	\$2,200.00	\$2,475.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
RS531NZ	SCM276: Essentials of Rational® ClearCase® UCM for UNIX	1	\$1,100.00	\$1,237.50							
RS612NZ	SCM471 Mastering IBM Rational ClearCase Administration for Unix, v7.0	2	\$2,200.00	\$2,475.00							



# Tivoli

[ibm.com/training/au/tivoli](http://ibm.com/training/au/tivoli)

## Curriculum Overview

Demanding times require intelligent

solutions. Integrating your IT infrastructure has become a business necessity. Intelligent management software from Tivoli helps you realize maximum business value by enabling you to integrate, manage, and secure your e-business infrastructures and processes end-to-end.

Tivoli software adopts one of the most open standards of any systems management software provider today, and integrates data warehouse technology that leverages infrastructure performance data gathered from across the organization. We can therefore help your organization evolve from focusing on the fundamental demands of e-business to the more complex business requirements of an on-demand world.

Intelligent solutions demand world class training. Training is not an option for companies that want to remain competitive; it is a critical component of a successful business strategy. IBM offers an extensive portfolio of courses to help you gain critical skills for every Tivoli Solution.

Visit the IBM Tivoli Training home page to view a complete listing of our technical training courses and material including instructor-led online, classroom, onsite, web-based, and whitepapers.

## IBM Service Management

IBM Service Management solutions from Tivoli can help you efficiently and effectively align IT performance to business goals. Let IBM help you take back control, address your top IT challenges and accelerate your return on investment with a better way to manage the business of IT. IBM Tivoli training offers a complete portfolio of Service Management courses to help you meet your business and IT challenges.

## IT Management Solutions for Growing Mid-Market Businesses

IBM's solutions help mid-market businesses grow. Tivoli offers the visibility, control and automation to deliver solutions in asset protection and security, systems management and automation, and data backup and recovery.

## The Greening of IBM Training

Going green is a necessity companies must embrace to reduce infrastructure costs and remain competitive economically. Incorporating IT training into the process is key to maximizing ROI in the software needed to operate new, energy-efficient data centers.

## IBM Tivoli e-Learning

### **NEW!** Instructor-Led Online training

Go green with IBM's newest training option! Let the classroom come to you! IBM offers our most popular courses in a new format – instructor-led online. Choose from dozens of courses that offer our highest-rated classroom instructors and content with the flexibility, convenience and cost savings of online training. Good for you and good for the planet!

## Learn, Anywhere, Anytime

Tivoli Training provides over 400 e-learning offerings including Web-based training with remote hands-on labs, complimentary Web seminars, whitepapers and other resources. Each meets the needs of users and administrators at various skill levels. The remote labs allow you to receive hands-on experience with actual Tivoli software in an online environment, enabling you to understand and master Tivoli technologies outside of a production or testing environment.

## Web Based Training (WBT) Subscriptions Now Available

IBM now offers 12 month subscriptions to the complete IBM Tivoli Web Based Training library. This offering provides users with unlimited access to the WBT portfolio for one full year.

## Knowledge Resources

Tivoli-related articles, white papers, technical briefs, Redbooks, FAQs, and notes, as well as product updates and announcements of the latest Tivoli technical developments.

## Get Trained to Prepare for New Tivoli Product Certifications

Each month, new IBM Tivoli Certifications are added to our extensive offerings. Training from IBM can help you build your skills so you are ready to sit for the exams. To learn more about Tivoli exams, educational resources and special offers, visit [ibm.com/certify/certs/tv\\_index.shtml](http://ibm.com/certify/certs/tv_index.shtml)

## IT Infrastructure Library

If you're looking for the best practice approach to IT service support and delivery in your business to improve customer satisfaction and reduce IT costs, get the skills you need to do it right the first time with four IT Infrastructure Library (ITIL) Training Courses from Tivoli.

## Information Technology (IT) Infrastructure Library (ITIL) is one of the hottest trends

in IT service management today. ITIL is a nonproprietary set of best practices that have become the de-facto international standard for IT service management. Don't be left behind – learn a systematic approach to management and best practices with Tivoli's ITIL training courses. Visit [ibm.com/training/au/tivoli](http://ibm.com/training/au/tivoli) to learn more.

## Tivoli and Maximo Asset Management

Tivoli and IBM Maximo takes the power, performance and possibilities of asset management to an entirely new level. Built on a single software platform, Maximo Asset Management delivers a comprehensive view of all asset types – production, facilities, transportation and IT – across your enterprise. This holistic perspective allows you to see all of your assets, as well as identify all of the untapped potential within them. You gain the knowledge and control you need to closely align your organization's goals with the overall goals of your business.

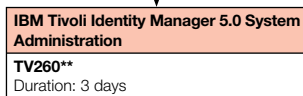
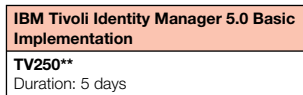
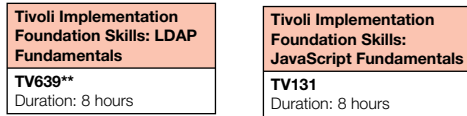
## Onsite Training from IBM – Let Us Bring the Training to You

IBM can provide convenient, cost-effective and customized training for groups as small as three to groups as large as 14 or more. Get the same quality education we deliver in our classrooms, brought right to your site or one that IBM arranges for you. Save money, enjoy greater flexibility, gain more control and achieve stronger results with IBM onsite training.

## ADMINISTRATOR SKILLS ROADMAP FOR IBM TIVOLI IDENTITY MANAGER 5

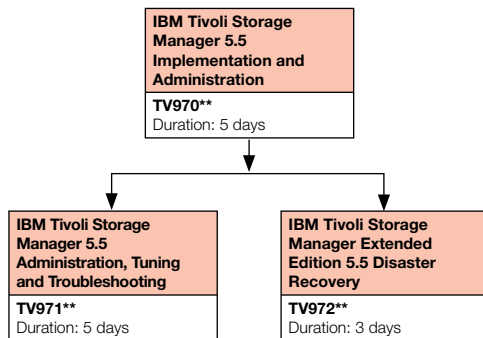
This role is focused on System Administrators and Business Partners†

Prerequisites



## ADMINISTRATOR SKILLS ROADMAP FOR IBM TIVOLI STORAGE MANAGER 5.5

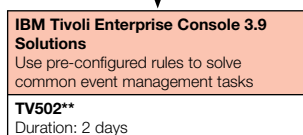
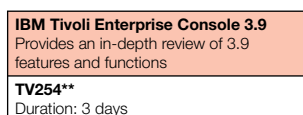
This role is focused on System Administrators responsible for implementation and administration of a product



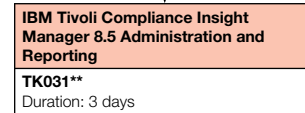
## IMPLEMENTER SKILLS ROADMAP FOR IBM TIVOLI ENTERPRISE CONSOLE 3.9

This role is focused on those responsible for implementing a product

New TEC 3.9 Implementer

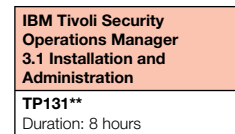
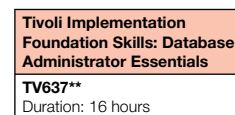
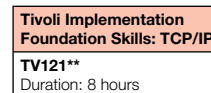


## IMPLEMENTER SKILLS ROADMAP FOR IBM TIVOLI COMPLIANCE INSIGHT MANAGER V8.5



## ADMINISTRATOR SKILLS ROADMAP FOR IBM TIVOLI SECURITY OPERATIONS MANAGER 3.1

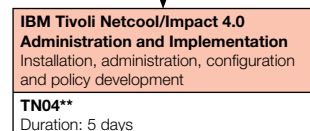
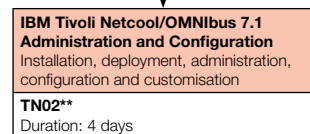
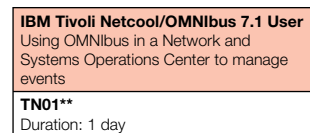
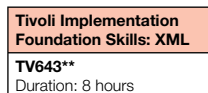
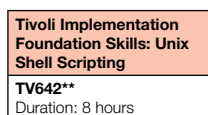
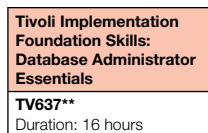
Prerequisites



## ADMINISTRATOR SKILLS ROADMAP FOR IBM TIVOLI NETCOOL/IMPACT 3.1

This role is focused on Senior System Administrators and Business Partners†

Prerequisites



\*\* Course delivered in AU=Australia & NZ=New Zealand

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>AUSTRALIA</b>											
<b>Tivoli Storage Management</b>											
TV972AU	IBM Tivoli Storage Manager Extended Edition 5.5 Disaster Recovery	3	\$2,550.00	\$2,805.00		24 Syd				10 Mel	
TV970AU	IBM Tivoli Storage Manager 5.5 Implementation and Administration	5	\$4,250.00	\$4,675.00	19 Mel	2 Syd	23 Syd 30 Mel		4 Mel 11 Syd	15 Mel 22 Syd	
TV971AU	IBM Tivoli Storage Manager 5.5 Administration, Tuning and Troubleshooting	5	\$4,250.00	\$4,675.00		16 Mel	2 Syd		25 Mel	1 Syd	
TV978AU	IBM Tivoli Storage Manager 5.5 Operations	3	\$2,550.00	\$2,805.00			11 Mel				
TV944AU	IBM Tivoli Total Storage Productivity Centre 3.3	5	\$4,250.00	\$4,675.00				20 Syd 27 Mel			
<b>Tivoli Security</b>											
TV346AU	IBM Tivoli Directory Integrator 6.0	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
TV348AU	Deploying an integrated IBM Tivoli Security Solution	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
TW062AU	IBM Tivoli Federated Identity Manager 6.1.1 Deployment and Administration	4	\$3,400.00	\$3,740.00					11 Mel	15 Syd	
TW250AU	IBM Tivoli Identity Manager 5.0 Basic Implementation	5	\$4,250.00	\$4,675.00			2 Mel 16 Syd		18 Syd	22 Mel	
TW260AU	IBM Tivoli Identity Manager 5.0 System Administration	3	\$2,550.00	\$2,805.00				22 Mel 29 Syd			
TW101AU	IBM Tivoli Access Manager for eBusiness 6.1 Deployment and System Administration	4	\$3,400.00	\$3,740.00		2 Mel 16 Syd	23 Mel		4 Syd	1 Mel	
TV946AU	IBM Tivoli Directory Server 6.1 System Administration	3	\$2,550.00	\$2,805.00			18 Mel	15 Syd			
TW171AU	IBM Tivoli Access Manager for Enterprise Single Sign-On 8.0 Deployment and Administration	4	\$3,400.00	\$3,740.00							
TV376AU	IBM Tivoli Access Manager for eBusiness 6.0 Customisation	4	\$3,400.00	\$3,740.00		24 Mel	10 Syd		26 Syd		
<b>Tivoli Deployment</b>											
TV119AAU	IBM Tivoli Configuration Manager Software Package Preparation	5	\$4,250.00	\$4,675.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
TV138AU	IBM Tivoli Configuration Manager 4.2 - Overview and Operation	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>Tivoli Availability</b>											
TV254AU	Tivoli Enterprise Console 3.9	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
TV272AU	Programming Rules for Tivoli Enterprise Console 3.9	2	\$1,700.00	\$1,870.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
TV960BAU	IBM Tivoli Monitoring 6.2 for Administrators	3	\$2,550.00	\$2,805.00	21 Syd	10 Mel			20 Mel	10 Syd	
TV976AU	IBM Tivoli Monitoring 6.2 Historical Reporting and Data Collection	2	\$1,700.00	\$1,870.00					19 Mel	9 Syd	
TV977AU	IBM Tivoli Monitoring 6.2 for Implementers	3	\$1,700.00	\$1,870.00				6 Syd 15 Mel			
TV149AU	Tivoli Universal Agent 6.1	2	\$1,700.00	\$1,870.00		10 Syd		8 Mel			
<b>Tivoli Management Framework</b>											
TV104AU	IBM Tivoli Infrastructure	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>Tivoli Service Management</b>											
TM33AU	IBM Tivoli Business Services Manager 4.1 for Administrators	3	\$2,550.00	\$2,805.00	Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.						
<b>NEW ZEALAND</b>											
<b>Tivoli Storage Management</b>											
TV972NZ	IBM Tivoli Storage Manager Extended Edition 5.5 Disaster Recovery	3	\$3,300.00	\$3,712.50					11 Auk		
TV978NZ	IBM Tivoli Storage Manager 5.5 Operations	3	\$3,300.00	\$3,712.50				6 Auk		15 Wel	
TV970NZ	IBM Tivoli Storage Manager 5.5 Implementation and Administration	5	\$5,500.00	\$6,187.50			16 Wel		18 Auk		
TV971NZ	IBM Tivoli Storage Manager 5.5 Administration, Tuning and Troubleshooting	4	\$4,400.00	\$4,950.00						29 Wel	
<b>Tivoli Security</b>											
TW250NZ	IBM Tivoli Identity Manager 5.0 Basic Implementation	5	\$5,500.00	\$6,187.50					11 Auk	15 Wel	
TW101NZ	IBM Tivoli Access Manager for eBusiness 6.1 Deployment and System Administration	4	\$4,400.00	\$4,950.00				20 Auk		29 Wel	
TV376NZ	IBM Tivoli Access Manager for eBusiness 6.0 Customisation	4	\$4,400.00	\$4,950.00				27 Auk			
<b>Tivoli Availability</b>											
TV960NZ	IBM Tivoli Monitoring 6.2 for Administrators	3	\$3,300.00	\$3,712.50				20 Auk		29 Wel	
TV977NZ	IBM Tivoli Monitoring 6.2 for Implementers	3	\$3,300.00	\$3,712.50					25 Auk		

Code	Course Title	Days	Fee exc. GST	Fee inc. GST	Jan	Feb	Mar	Apr	May	Jun	Jul
<b>Netcool</b>											
TN01AU	IBM Tivoli Netcool/OMNibus 7.1 User	1	\$850.00	\$935.00		2 Syd		20 Mel			20 Syd
TN022AU	IBM Tivoli Netcool/OMNibus 7.1 Administration and Configuration	4	\$3,400.00	\$3,740.00		3 Syd		21 Mel			21 Syd
TN09AU	IBM Tivoli Netcool/Proviso 4.4.1 Fundamentals	2	\$1,700.00	\$1,870.00		17 Syd				16 Syd	
TN12AAU	IBM Tivoli Netcool/Proviso 4.4.1 Administrator	4	\$3,400.00	\$3,740.00		19 Syd				18 Syd	
TN11AU	IBM Tivoli Netcool/Proviso 4.4.1 Installation	2	\$1,700.00	\$1,870.00		25 Syd				24 Syd	
TN05AU	IBM Tivoli Netcool/Webtop Fundamental 2.0	2	\$1,700.00	\$1,870.00	29 Syd			16 Mel			16 Syd
TN04AU	IBM Tivoli Netcool/Impact 4.0	5	\$4,250.00	\$4,675.00	19 Syd					18 Mel	
TN19AU	IBM Tivoli Netcool/TBSM	3	\$2,550.00	\$2,805.00				20 Syd		1 Mel	
TN20AU	IBM Tivoli Netcool/TBSM	2	\$1,700.00	\$1,870.00				23 Syd		4 Mel	
TN08AU	IBM Tivoli Netcool/Reporter 2.0 Designer	2	\$1,700.00	\$1,870.00			17 Syd		5 Syd		28 Mel
TN07AU	IBM Tivoli Netcool/Reporter 2.0 Installation and Administration	2	\$1,700.00	\$1,870.00			19 Syd		7 Syd		30 Mel
TN29AU	IBM Tivoli Netcool Performance Manager for Wireless 9.1 Gateway Fundamentals	2	\$1,700.00	\$1,870.00					18 Syd		
TN30AU	IBM Tivoli Netcool Performance Manager for Wireless 9.1 System Administration	3	\$2,550.00	\$2,805.00					20 Syd		
TN28AU	IBM Tivoli Netcool Performance Manager for Wireless 9.1 User	2	\$1,700.00	\$1,870.00					25 Syd		
TN13AU	IBM Tivoli Netcool/Security Operations Manager 4.1	3	\$2,550.00	\$2,805.00		25 Syd		29 Mel		30 Syd	
TN14AAU	IBM Tivoli Netcool/Precision IP Fundamentals	4	\$3,400.00	\$3,740.00			10 Syd			23 Mel	
TN15AU	IBM Tivoli Netcool/Precision IP Advanced	4	\$3,400.00	\$3,740.00			16 Syd			29 Mel	
TN21AU	IBM Tivoli Netcool/Proviso 4.4.1 Advanced Level 1	5	\$4,250.00	\$4,675.00			23 Syd				
TN22AU	IBM Tivoli Netcool/Proviso 4.4.1 Advanced Level 2	5	\$4,250.00	\$4,675.00				20 Syd			
TN23AU	IBM Tivoli Netcool/Proviso 4.4.1 Advanced Level 3	5	\$4,250.00	\$4,675.00					25 Syd		
TN26AU	IBM Tivoli Netcool/Service Quality Manager 3.1 Administration	2	\$1,700.00	\$1,870.00			12 Mel		21 Syd		30 Mel
<b>Maximo</b>											
TR40AU	IBM Maximo Core Consultant for IT: Week 1	5	\$4,250.00	\$4,675.00							
TR46AU	IBM Maximo Core Consultant for IT: Week 2	5	\$4,250.00	\$4,675.00							
TR45AU	Workflow using IBM Maximo 6 for IT	4	\$3,400.00	\$3,740.00							
TR23AU	Writing Actuate Reports for IBM Maximo 6	3	\$2,550.00	\$2,805.00							
TR21AU	System Administration for IBM Maximo 6	2	\$1,700.00	\$1,870.00							
TR12AU	Developing Service Level Agreements in IBM Maximo 6	2	\$1,700.00	\$1,870.00							
TR43AU	Asset Configuration and Management in IBM Maximo 6 for IT	2	\$1,700.00	\$1,870.00							
TR41AU	Service Desk Management Using Maximo 6 for IT	3	\$2,550.00	\$2,805.00							
TR27AU	Customizing Business Components in IBM Maximo 6	4	\$4,250.00	\$4,675.00							
TR17AU	IBM Maximo 6 for Enterprise Asset Management - New Features	3	\$2,550.00	\$2,805.00							
TR20AU	IBM Maximo Core Consultant for Enterprise Asset Management: Week 1	5	\$4,250.00	\$4,675.00							
TR29AU	IBM Maximo Core Consultant for Enterprise Asset Management: Week 2	5	\$4,250.00	\$4,675.00							
TR28AU	Integration Using the IBM Maximo 6 Enterprise Adapter	5	\$4,250.00	\$4,675.00							
TR16AAU	Work Management in IBM Maximo 6 for Enterprise Asset Management	3	\$2,550.00	\$2,805.00							
TR22AU	Workflow Using IBM Maximo 6 for Enterprise Asset Management	4	\$3,400.00	\$3,740.00							

Available on request. Contact 1800 801 088 to register your interest and ensure you are notified of the next available date.



# IBM Internet Security Systems™ (ISS) Education Services

[ibm.com/training/au](http://ibm.com/training/au)

Visit [ibm.com/training/global](http://ibm.com/training/global) and select a country to see detailed descriptions and schedules.

## Proventia

IS511	Introduction to Proventia Network Intrusion Prevention System with SiteProtector (SP 7.0)	3 Days	C/H
IS521	Advanced Proventia Management SiteProtector (SP 7.0)	2 Days	C/H
IS571	Proventia Intrusion Prevention System with SiteProtector Fast Track (SP 7.0)	5 Days	C/H
IS530	Proventia Network Multi-function Security System with SiteProtector (SP 7.0)	3 Days	C/H
IS550	Proventia Network Enterprise Scanner with SiteProtector (SP 7.0)	3 Days	C/H
IS711	Proventia Management SiteProtector (SP 7.0)	4 Hours	SP
IS703	Proventia Server (FW 2.x)	4 Hours	SP
IS700	Proventia Management SiteProtector (SP 6.1)	4 Hours	SP
IS701	Proventia Network Intrusion Prevention System (FW 1.4)	4 Hours	SP
IS710	Proventia Network Multi-function Security (FW 3.11)	4 Hours	SP

C/H = Classroom with Hands-on Labs

SP = Self-paced Virtual Class

## Curriculum Overview

IBM Internet Security Systems (ISS) delivers preemptive security solutions that stop threats before they impact your business. IBM ISS' products and services secure your IT infrastructure, ensuring business continuity, and enabling cost-effective processes, while supporting your compliance and risk management requirements.

The IBM ISS training curriculum provides hands-on, real-world security training that teaches you how to preemptively protect your digital assets from attack and stay ahead of the threat using IBM ISS solutions. IBM ISS training can help:

- Decrease product deployment times
- Empower your staff to effectively operate and maintain ISS solutions
- Prepare your staff to effectively address security issues
- Lower your total cost of ownership (TCO)

## Classroom Training

IBM ISS instructor-led, classroom training courses teach you how to use IBM ISS products to protect your network from the latest threats and vulnerabilities. Our classroom training curriculum covers:

- Product installation/deployment
- Policy and Response configuration
- Security monitoring and management best practices

## e-Learning

IBM ISS Security training is also available on demand! Our self-paced offerings provide an engaging and interactive online training experience focused on using IBM ISS products. These Web-based courses introduce important concepts and provide how-to simulations to help you start using IBM ISS security solutions more quickly.

## Onsite Training

Let IBM ISS bring a customized security training solution to your doorstep! Have IBM ISS deliver its leading-edge training at your facility, and see your organization get ahead of the threat even faster. Onsite training can be tailored to meet your needs. It is delivered by senior training consultants, who combine their years of experience in the Security industry and the IBM ISS product set for a comprehensive training. ISS can also combine content from different courses to cover multi-product deployments, and ensure that you get the most from your IBM ISS investment.

## Leverage IBM Education Packs

Did you know that you can use the IBM Education Pack – online account to pay for

your IBM ISS training? Leverage IBM Education Packs for any IBM Internet Security Systems training, including our classroom, Web-based, and onsite courses. Stretch your limited training budget while paying, tracking, and managing your IBM ISS or other IBM IT education expenses online. It's a great option for companies that need to train multiple employees. Visit [ibm.com/training/us/savings](http://ibm.com/training/us/savings) for details.

# Terms and Conditions

## The following terms apply to:

- enrolment in classes offered by IBM;
- orders for IBM's education materials; and
- subscriptions to IBM Rational Web-based Training which we have approved in writing (your "Subscription").

These terms, along with any applicable license agreement, are the complete agreement between us regarding the courses or education materials we provide and any access to such courses or education materials through a Subscription and replace any oral or written communications between us. Attendance at a class, your use of any education materials or your use of your Subscription constitutes your agreement to these terms in relation to such class or use. Occasionally we have offerings with additional or different terms. If so, we will provide those terms to you.

## Scheduling Classes

We will specify the dates of public classes. Private classes will be scheduled by mutual agreement. IBM Training reserves the right to cancel any course 10 business days out from the Monday of the week the course is running. If we cancel a course for which you have prepaid, we will refund the price you paid.

## Courses and Education Materials

We list our generally available courses and education materials in the IBM Training Schedule which is published biannually. We may add or withdraw courses and education materials from general availability at any time without notice. Courses are conducted at IBM locations, through IBM Rational Web-based training or at other classrooms by arrangement.

Upon request, and if agreed by us, we may conduct courses or deliver education materials at your premises.

If you have a Subscription, you will need to comply with the terms set out below under the heading "IBM Rational Web-based training subscription".

## Quality Guarantee

Under these terms and conditions we provide the following warranties which are in addition to any rights you may have under the Trade Practices Act 1974 (Aus) or the Fair Trading Act 1986 and Consumer Guarantees Act 1993 (NZ) and which replace all other conditions and warranties that may otherwise be implied. We

warrant that the information contained in the Schedule is true at the time it is published and that we will employ people with the appropriate skills, as we determine, to teach the courses set out in the Schedule. If you are not satisfied that a course you attend meets its published objectives, please notify us within one month of attending the course and we will give you a credit towards another course or refund the course fee paid by you in full. Otherwise, you are solely responsible for results achieved in using any Subscription, materials or any course accessed by you or your Users.

## Cancellation/Transfer By You of Enrolment in a Public Class or Shared Private Class

- You may cancel/transfer your enrolment in a Public Class or Shared Private Class:
- At least 10 business days prior to the Monday of the week the class is running without penalty.
- Less than 10 business days prior to the Monday of the week the class is running, as a result you will be charged at least fifty percent (50%) of the current price.
- At the start date of the class, or fail to attend the course on which you enrolled, as a result you will be charged for the full price of the course.
- You may cancel a Private Class less than one month before its schedule start date. We may charge actual cost incurred, including travel and living expenses.

Note that all cancellations and transfers must be received in writing.

## Prices and Payment for Classes and Materials Other than through a Subscription

- The prices listed in the Schedule are for information only and are subject to change without notice.
- The price for public classes will be contained within our confirmation letter. Prices will include the use of required education materials and machines. They do not include taxes or student travel and living expenses.
- Prices for private classes will be established based on your requirements. Additional charges may apply such as instructor travel and living expenses facilities and remote lab support.
- You agree to pay us either upon receipt of our invoice and according to any terms specified in that invoice or via cheque or credit card if you do not currently have an

IBM account.

- If any government imposes a Duty Tax (other than income tax or Fee on these Terms or Services that are not otherwise provided for in the amount payable), you agree to pay it when we invoice you.

## Prices and Payment for Classes and Materials through a Subscription

- You agree to pay the "Total Class Price" which we have approved for your Subscription.
- IBM Rational Web-based training subscription
- If you have a Subscription, you must also comply with the terms and conditions provided below under the "IBM Rational Web-based training subscription" heading.
- Your Subscription is valid for 12 months from the day it is approved by us in writing, and can be used to access all web-based Rational Training courses offered by IBM Rational during this period in Australia & New Zealand. Your Subscription is not valid for any other courses, classes, workshops or seminars offered by us or any third party including those conducted in person. Your Subscription may only be used by you and those of your users who we approved for your Subscription (your "Users").

IBM will provide you with a secure personal access code for you and your Users to access web-based Rational Training courses ("Access Code"). The Access Code will be active as of the date the Access Code is provided to you. The Access Code will remain active for the duration of your approved subscription period unless your Subscription is terminated earlier by us in accordance with these terms and conditions. You may not transfer your Subscription to any other person.

Only your Users are to be provided with access to, and permitted to use, the Access Code. Replacement of your Users is not permitted unless:

- a User is no longer employed by you, in which case you may replace your User with a suitable employee by notifying us of the replacement in writing; or
- the replacement is agreed to by us in writing.

You may submit requests for replacing your Users with other employees at any time. These requests will be evaluated and determined by us at our sole discretion.

During the period of your Subscription:

- your Users may, using the Access Code, enrol in and access all web-based Rational Training courses; and
- once a User has enrolled in a web-based Rational Training course using the Access Code, your User is allowed to continue to access the course until the earlier of:
  - the expiry of the 12 month period of your Subscription;
  - termination of your Subscription by us in accordance with these terms and conditions; and
  - the User is replaced in accordance with these terms and conditions.

You must ensure that no other persons other than the Users have access to or use the Access Code unless otherwise agreed by us in writing. You must, and must ensure your Users do, only use the Access Code to access a web-based Rational Training course, not introduce any maleficent codes such as viruses, computer worms or trojan horses to IBM software or servers and keep the Access Code at all times confidential. You are responsible for ensuring your Users have the software, network connections, infrastructure and hardware and all required operability of such, to access and participate in web-based Rational Training courses with the Access Code. We have no responsibility for these matters.

For web-based Rational Training courses for which you have a Subscription, your Users may, for their personal use only, print one hard copy of those portions of the course training materials and documents that are enabled for printing provided that the copy contains all copyright and other legal notices that we have placed on the materials.

You acknowledge and agree that we are the owner or a licensee of all right, title and interest in and to intellectual property rights in courses and all material, documents and information relating to them (including any "Access Code" under a Subscription) (IBM IP) and neither you nor your Users acquire any right, title or interest in relation to IBM IP except as expressly provided by us. IBM grants you a non-exclusive, non-transferable license under the IBM IP, for and only for the purposes of you or your Users participating in a course, to enable your Users to access and participate in a course and access and use training materials or information provided by IBM for

the course. The license is for the duration of your Subscription unless your Subscription is terminated early by us under these terms and conditions. The license may not be sub-licensed except by the Customer to its Users.

Your user must not, and must ensure that each of your Users does not use, copy, reproduce, or distribute Course content (except as permitted above). Such acts are strictly prohibited.

Your Subscription may not be cancelled or returned by or refunded to you. If you have not fully utilised your Subscription at the end of the 12 month Subscription period or on the date when your Subscription is terminated by us in accordance with these terms and conditions, the unused portions are forfeited. We may terminate your Subscription if you are in breach of any of these terms and conditions which is not remedied within 5 days of a written request by us to remedy the breach.

We make no warranty or representation and will not be liable for the availability or accessibility of any web-based Rational Training course using the Access Code.

Your Subscription is not assignable by you without our prior written consent.

#### **Patents and Copyrights**

If a third party claims that the education materials we provide to you infringe that party's patent or copyright, we will defend you against that claim at our expense and pay all costs, damages and attorney's fees that a court finally awards, provided that you:

- promptly notify us in writing of the claim; and
- allow us to control and cooperate with us in the defence and related settlement negotiations.

If such a claim is made or appears likely to be made, you agree to permit us to enable you to continue to use the education materials, or to modify or replace them. If we determine that none of these alternatives are reasonably available, you agree to return the education materials to us on our written request. We will then give you an appropriate credit for the returned materials.

This is our entire obligation to you regarding any claim of infringement. We have no obligation regarding any claim based on your modification of education materials.

#### **Limitation of Liability**

Circumstances may arise where, because of a default on our part or other liability, you are entitled to recover damages from us.

In each such instance we are liable only for the charges for the class, Subscription or education material that is the subject of the claim.

#### **Items for Which We Are Not Liable**

Under no circumstances are we liable for any of the following:

- third-party claims against you for losses or damages (except as described above in the section entitled Patents and Copyrights).
- loss of, or damage to, your records or data: or
- special, incidental, or indirect damages or for any economic consequential damages (including lost profits or savings), even if we are informed of their possibility.

Where we are in breach of a condition or warranty implied by the Trade Practices Act 1974, our liability is limited to:

- where we supplied services – the cost of having the services supplied again; or
- where we supplied goods – the repair or replacement of the goods, or the supply of equivalent goods, and where such condition or warranty relates to right to sell, quiet possession or clear title, or the goods are of a kind ordinarily acquired for personal, domestic or household use or consumption, then none of the limitations in this clause apply.
- to the extent that anything is supplied by IBM for the purpose of a business, the Consumer Guarantees Act 1993 does not apply.

#### **License**

Any machine readable education materials that we provide to you will be subject to the terms of a license agreement. We will inform you of the applicable agreement.

#### **Changes to This Agreement**

We may modify these terms on written notice. The modified terms will apply to your enrolment or order unless you cancel such enrolment or order prior to the effective date. Otherwise, for a change to be valid, both of us must sign it. Additional or different terms in any order or communication from you are void.

# Terms and Conditions

## General

Our obligations hereunder are conditional on your performance of your responsibilities under these terms and conditions.

The courses and education materials listed in the Schedule and not offered as occupational training. They are available to individuals who pay or whose employer pays any applicable charges (including through a Subscription).

You agree not to copy our copyrighted material without our prior written consent.

You agree not to use recording equipment in our classes without our prior written consent.

You agree not to use our trademarks, trade names, or other designations in any promotion or publication without our prior written consent. Any attempt to do so is void.

Neither of us is responsible for failure to fulfill any obligations due to causes beyond either party's control.

Neither of us will bring a legal action (under this Agreement) more than two years after the cause of action arose.

Any terms of this Agreement, which by their nature extend beyond its termination, remain, in effect until fulfilled, and apply to respective successors and assignees.

This Agreement is made under, and shall be interpreted in accordance with, the laws of the State, Territory or Country in which you attend a particular class or receive education materials.

## Education Pack

1. The IBM Education Pack account training dollars are valid for 12 months, and are non-refundable. The IBM Education Pack can be used by one or more individuals in your company.
2. The start date for the IBM Education Pack account is the date IBM Training receives the application and billing information, unless an alternate start date is requested at the time the application is submitted. A start date of up to 60 days from the date of the application may be selected if indicated on the initial order form.
3. The IBM Education Pack account can be used for IBM public courses, private on-site courses, and conferences designated by IBM Training and offered in Australia.
4. Certain IBM Training courses may be excluded from this program. To determine which IBM Training courses are eligible for the program and which are excluded, access our online catalogue via the World Wide Web at [ibm.com/training/au](http://ibm.com/training/au) to view IBM Training public course descriptions and conference schedules, or contact 1800 801 088 (Australia) or 0800 801 800 (New Zealand). All Tivoli courses run by Senetas are excluded from Education Pack program.
5. You must enrol in each individual course or conference prior to attending. All enrolment in courses or conferences are subject to availability and acceptance by IBM.
6. To use your IBM Education Pack account funds, you must quote your IBM Education Pack Account Number on your enrolment form.
7. Once the IBM Education Pack account is debited your invoice will be credited for the value submitted up to 100% of the course or conference tuition or other valid offering purchased. If the amount of the debit from the IBM Education Pack account does not cover the entire tuition of the eligible IBM Training offering, you will be billed the difference.
8. IBM Education Pack cannot be used to pay for offerings that have already been billed or applied to previously taken courses.
9. Once the IBM Education Pack account has been debited, training dollars cannot be reapplied to the IBM Education Pack except in the case of a course cancellation.
10. IBM Education Pack account training dollars cannot be combined with any other discounts, offers, programs, coupons or promotions.
11. The purchase price of the IBM Education Pack can be applied toward the attainment of IBM Training volume agreements.
12. IBM Education Pack account training dollars cannot be used to purchase additional IBM Education Packs accounts or other discount offerings.
13. The "No-Show" and Cancellation policies apply. Full Terms and Conditions are available via [ibm.com/training/au/terms](http://ibm.com/training/au/terms).
14. Prices of this program and eligible offerings are subject to change without notice.
15. Course and conference schedules are subject to change without notice.
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