

Web Applications: Administration

It's a brave new Webbed world and thus for your IT infrastructure. Someone has to set up this ever changing environment and more importantly, manage it. Unlike traditional iSeries workloads, web based applications present many new challenges to iSeries administrators. The sessions in this course of study are designed to provide the attendee with a basic understanding of the iSeries HTTP Server Powered by Apache, IBM's WebSphere Application Server, and other Application Servers. Sessions in this COS range from getting started, to configuration and administration of this technology.

Doing Business F06 Miami Sessions: Thursday, 9/21/2006

One Hour (For Every iSeries User)

23MG: Mon 11 - 12:15, B119, Miami Conv Ctr

ID:440151

Level:
Beginner

Course:
Web
Applications:
Architecture and
Development

Speaker:
David Money
IBM Corporation

Have you been working with iSeries and keep asking yourself what is this WebSphere thing? Come get your hands dirty, and try it out. Never written a line of Java in your life, here is your chance. Take the examples provided in this course and implement them in your office or at one of WebSphere open labs. This is how you learned RPG, from examples that you played with and made do what you wanted them to do.

The primary purpose of this session is to allow a traditional AS/400 programmer to start with nothing but the installation CDs and create a functional WebSphere application.

By the end of this session, attendees will be able to:

1. Create a JSP and Servlet that can access, display, and change iSeries data using a web browser.
2. Take that source code, compile it, deploy it and call it from a web browser.
3. Use WebSphere.

WebSphere Application Server Performance Pitfalls

41MA: Wed 8 - 9:15, B113, Miami Conv Ctr

ID:450089

Level:
Advanced

Course:
Web
Applications:
Administration

Speaker:
George
Weaver
IBM Corporation

Discuss the top 10 most common performance mistakes when running WebSphere Application Server. This session will not only show examples of each, but will explain how to tell if you have fallen into one of the major pitfalls. Examples of the pitfalls are excessive garbage collection, improper tuning of queues, and wasted resources with too large of caches.

LDAP, Domino and System i - the Redbook

25MM: Mon 2 - 3:15, B212, Miami Conv Ctr

ID:410033

Level:
Beginner

Course:
Security
Management

Speaker:
John M.
Taylor
COMMON UK

LDAP-enabled directories provide phone and email addresses and help to manage server access, authorize B2B users, find experts via Knowledge Management and share a single sign-on with Enterprise Identity Mapping (EIM). Learn how to integrate and manage OS/400 with Websphere, Domino Directory, Novell and MS Active Directory using IBM's Directory Server and BlueNotes Directory products.

F06 Miami Sessions: Thursday, 9/21/2006

HTTP Server for iSeries: Getting Started

43MA: Wed 11 - 12:15, B113, Miami Conv Ctr

ID:409080

Level:
Beginner

Course:
Web
Applications:
Administration

Speaker:
Shah
Chowdhury
IBM Corporation

Get your web site up and running quickly and easily using IBM Web Administration for iSeries. Learn what differentiates IBM HTTP Server for iSeries from other platforms. In this session you will learn about many of the graphical integration wizards and configuration management interfaces provided by IBM Web Administration for iSeries.

In this session, learn:

1. Key design points and basic configuration that every Web server requires.
2. How to get your web site up and running using graphical integration wizards provided by IBM Web Administration for iSeries.
3. How to manage your iSeries HTTP servers "powered by Apache" using graphical configuration forms and wizards.
4. Why application servers are needed and how they tie into iSeries HTTP servers "powered by Apache".
5. How to integrate WebSphere application servers into your web site using IBM Web Administration for iSeries.
6. How to deploy applications into your WebSphere application servers, with easy to use wizards and forms.

WebSphere Application Server - Overview

44MB: Wed 12:30 - 1:45, B114, Miami Conv Ctr

ID:404247

Level:
All

Course:
Web
Applications:
Business
Decisions

Speaker:
Pat Fleming
IBM Corporation

This overview session introduces WebSphere Application Server for iSeries V6.0, including WebSphere Application Server Express.

WebSphere is IBM's Java application server. WebSphere helps you deploy and manage Web applications that range from simple Web sites to Powerful e-business solutions. WebSphere offers support for applications built from servlets, JSPs, and EJBs, and forms the base for many other IBM software products like WebSphere Commerce Suite, and WebSphere Payment Manager.

Learn:

1. What the WebSphere Application Server editions are and why you need them
2. The differences between Application Server - Express and WebSphere Application Server.
3. How to get started with Application Server - Express.

HTTP Server for iSeries: Advanced Topics

46MC: Wed 3:30 - 4:45, B115, Miami Conv Ctr

ID:409040

Level:
Advanced

Course:
Web
Applications:
Administration

Speaker:
Shah
Chowdhury
IBM Corporation

HTTP Server for iSeries "powered by Apache" has many features. This session will focus on several of the more advanced features. If you have experience with HTTP servers on iSeries, this session will expand your knowledge by delving into overview and configuration tips on the following topics:

1. Support for multiple Web sites using virtual hosting.
2. Setting up for secure transactions with SSL using Digital Certificate Manager and the capability to authenticate with client digital certificates.
3. Controlling access to resources using system user profiles, internet user entries (validation lists), or directory (LDAP) user entries.
4. Setting up directory browsing.
5. Using Fast Response Cache Accelerator (FRCA) for lightening fast performance.
6. Setting up proxy servers - including forward & reverse proxy, and proxy cache support.
7. Other performance tips, knobs, and whistles.

F06 Miami Sessions: Thursday, 9/21/2006

iSeries Access in the .NET World

46ME: Wed 3:30 - 4:45, B117, Miami Conv Ctr

ID:420219

Level:
Intermediate

Course:
Client
Connectivity

Speaker:
Brent Nelson
IBM Corporation

ADO.NET is Microsoft's latest evolution in database access technologies. An overview of .NET will be provided before delving into ADO.NET. This session will cover IBM solutions for ADO.NET before going into more detail with the iSeries Access .NET provider's implementation. Coding examples and tips will be provided to illustrate how to use the iSeries Access .NET managed provider effectively.

In this session, you will learn:

1. What .NET is and the components that comprise it.
2. The basic pieces of ADO.NET.
3. Common properties/ methods used when writing ADO.NET programs.
4. Suggestions for coding to ADO.NET more effectively

Problem Determination Techniques for Web Applications

47MG: Wed 5 - 6:15, B119, Miami Conv Ctr

ID:480199

Level:
Advanced

Course:
Web
Applications:
Administration

Speaker:
George
Weaver
IBM Corporation

This session provides a wholistic view of problem determination in a WebSphere Application Server (WAS) environment, including the client, network, HTTP server, application server, and enterprise applications and data. Topics include commonly observed problems, usage of logging files and tools, and using the trace facilities within WAS and WebSphere Development Studio client (WDS) for iSeries.

WebSphere Application Server - Installation and Initial Configuration

47MC: Wed 5 - 6:15, B115, Miami Conv Ctr

ID:408100

Level:
Intermediate

Course:
Web
Applications:
Administration

Speaker:
Vanessa
Grose
IBM Corporation

This session will teach you how to install and configure WebSphere Application Server V6.1 for i5/OS. WebSphere Application Server is IBM's Java application server; it helps you deploy and manage Web applications that range from simple Web sites to powerful e-business solutions and offers support for applications built from servlets, JSPs, and EJBs. WebSphere Application Server forms the base for many other IBM software products such as WebSphere Commerce Suite and WebSphere Portal Server.

By the end of this session, attendees will learn:

1. How to install WebSphere Application Server on the i5/OS system.
2. How to configure the application server and the HTTP server.
3. How to verify the installation and configuration using the sample applications that are shipped with the product.

Recommended prerequisite: Session 404247, WebSphere Application Server - Overview

OPEN LAB: HTTP Server

51LB: Thu 8 - 9:15, A201, Miami Conv Ctr

52LB: Thu 9:30 - 10:45, A201, Miami Conv Ctr

ID:430137

Level:
Intermediate

Course:
Web
Applications:
Administration

Speaker:
Shah
Chowdhury
IBM Corporation

This open lab offers a pair of lab exercises for gaining hands-on experience with the HTTP Server. The first lab focuses on Apache configuration and administration and the second focuses on HTTP security configuration.

Each lab exercise highlights the recommended prerequisites:

1. HTTP Server: Apache Webmaster (409081)
Prereq: Attend one or more sessions in the "iSeries Web Server - Powered by Apache" FER
2. Securing Web Applications with Apache (420094) Prereq: Session 404371 Securing Web Applications With Apache

F06 Miami Sessions: Thursday, 9/21/2006

Secure Your iSeries Web Applications

51MC: Thu 8 - 9:15, B115, Miami Conv Ctr

ID:480084

Level:

All

Course:

Security
Management

Speaker:

Jim Mason
Cape Cod Bay
Systems

This session is a must if you are deploying iSeries Internet applications! Beyond the high level overviews of security standards, products and architectures, this session outlines specific scenarios for integrating security tools and resources to meet your Internet security needs.

By addressing the security challenges for a scenario, you'll learn to apply the 'security service layers' available in your e-business environment including iSeries security, TCP network security, HTTP security, J2EE and WebSphere security, Java security, application level security. The scenarios will highlight some of available the options in these layers including portal environments, SSO and directory solutions that integrate multiple platforms well.

You'll learn how to create an e-business security plan workbook to build your own security plans that can be implemented by your team or outside resources as needed.

The solution models reviewed are adapted to work affordably in both large shops and small ones.

OPEN LAB: WebSphere Application Server, Install, Configuration & Security

53LC: Thu 11 - 12:15, A202, Miami Conv Ctr

54LC: Thu 12:30 - 1:45, A202, Miami Conv Ctr

55LC: Thu 2 - 3:15, A202, Miami Conv Ctr

56LC: Thu 3:30 - 4:45, A202, Miami Conv Ctr

ID:420152

Level:

Intermediate

Course:

Web
Applications:
Administration

Speakers:

George
Weaver
IBM Corporation
Vanessa
Grose
IBM Corporation

This open lab contains exercises to help get you familiar with many aspects of WebSphere Application Server offerings. Included are install, admin, JMS, problem & performance determination and configuration of the various versions of the products. Includes the latest 6.0 release, admin consoles changes, WebSphere Application Server - Express, and the IBM Telephone Directory business application.

This open lab offers these lab exercises:

1. WebSphere Application Server version 6.0 application server creation, configuration and application installation.
2. WebSphere Application Server - Express application server creation, configuration and application installation.
3. Configuration of a Java Messaging Services (JMS) application.
4. Use WebSphere Application Server logging files and tracing for troubleshooting and problem determination.
5. Create and deploy a Web application on WebSphere Application Server that accesses DB2 UDB for iSeries data.
6. Use WebSphere Application Server tools for monitoring ebusiness application performance.
7. Configure J2EE security on an ebusiness application and deploy it on WebSphere Application Server for iSeries.

WebSphere Application Server: Things You Didn't Know it Could Do!

51MN: Thu 8 - 9:15, B213, Miami Conv Ctr

ID:510043

Level:

All

Course:

Web
Applications:
Administration

Speaker:

Vanessa
Grose
IBM Corporation

This session takes you beyond the basics of WebSphere Application Server v 6.1 and begins exploring some of the product's more advanced features. We will cover new features of the product -- from installation, to application development, to serviceability -- and get you started down the road to becoming a WebSphere pro!

In this session, we will discuss:

1. Creating custom installation packages using the INstallation Factory
2. Using WebSphere Application Server to run portlet applications.
3. Taking advantage of session initiation protocol (SIP) support in the application server.
4. Automating administrative tasks with Jython
6. Resolving problems with IBM Support Assistant