

High Availability Resilience

System availability is a requirement for most i5/OS installations. Without access to your system, you will lose business, customers, and your reputation as a reliable supplier of services, information, or products. Sessions in this course of study are centered around maximizing your solution availability in a B2B environment. Topics such as backup & recovery, unplanned outages, and clustering are included in this course of study.

V6R1: Logical Replication or Storage Based Mirroring: Which One Is Right For You?	
21GF: Mon 8 - 9:15, Governor's Ballroom C, Opryland Hotel	
ID:540118	
Level: All	Learn how to position logical journal-based replication and IASP based storage mirroring, possibly combining the two. There are many factors to consider when selecting an HA solution, including cost and the variety of technologies. This session will help you to decide which one is right for your business. We will also discuss new technologies such as Active to Active configurations that allow full use on both production and 'backup machines', as well as advanced data integrity options.
Course: High Availability Resilience	
Speaker: David E. Brown Vision Solutions, Inc.	
By the end of this session, attendees will be able to:	
<ol style="list-style-type: none">1. Understand the choices in High Availability.2. Position Hardware based Mirroring with Logical Replication.3. Understand advanced uses of the Secondary or Backup machines.	

Disaster Recovery Solutions with IASPs and Clusters	
22GF: Mon 9:30 - 10:45, Governor's Ballroom C, Opryland Hotel	
ID:460035	
Level: Intermediate	i5/OS provides functions that will support a variety of disaster recovery solutions using IASP and clusters. The solutions that will be discussed are: -Tower level mirroring with different power domains. -Geographic mirroring -Total storage with FlashCopy -Total storage with Metro Mirror -Total storage with Global Mirror -Load source in total storage
Course: High Availability Resilience	
Speaker: Chuck Stupca IBM Corporation	
By the end of this session, attendees will be able to:	
<ol style="list-style-type: none">1. Understand the disaster recovery options available using i5/OS functions.2. Know the IBM Total Storage Copy Services available.3. Evaluate the applicability of each of the solutions to their environment.	

V6R1: What's New in IASPs Clusters	
23GF: Mon 11 - 12:15, Governor's Ballroom C, Opryland Hotel	
ID:520097	
Level: All	The latest announcement contained significant enhancements to the i5/OS support of IASPs and Clusters. Enhancements include new GUI tools, additional resilient devices, and additional function. This session will provide an overview of the new HA functions provided by i5/OS.
Course: High Availability Resilience	
Speaker: Jenny Dervin IBM Corporation	

V6R1: Backup/Recovery Strategies Update

25GF: Mon 2 - 3:15, Governor's Ballroom C, Opryland Hotel

 **BRONZE**
ID:402342

Level:
Intermediate

Course:
High Availability
Resilience

Speaker:
Deb Saugen
IBM Corporation

A complete backup and recovery strategy is key to any business. Learn what you need to know to update your backup and recovery strategy for Logical Partition (LPAR) systems, Hardware Management Console (HMC), Lotus Notes and Windows Servers, Linux, AIX and i5/OS in a partition, and the use of Independent ASPs. New support for backing up spooled files and performing a backup of the system data in a non-restricted state will be covered. V6R1 provides great new enhancements for logical/physical file system recovery and SWA synchronization for libraries and IFS. This session also takes you through example backup strategies and the steps needed to recover your system after a system failure or disaster.

V6R1: What's New with Backup Recovery - Including Virtual Tape and Encryption!

26GF: Mon 3:30 - 4:45, Governor's Ballroom C, Opryland Hotel

 **SILVER**
ID:440024

Level:
All

Course:
High Availability
Resilience

Speaker:
Deb Saugen
IBM Corporation

Find out what new things you need to know for the very latest releases to ensure you have a good backup strategy. Learn what changes need to be made to update your disaster recovery plans. New and exciting changes for Backup and Recovery in V5R4 (Remove all references to V5R4) are highlighted including Virtual Tape support, Backup Encryption and the latest and greatest for Backup Recovery and Media Services (BRMS).

Disaster Recovery and Business Continuity Planning - Are you Prepared?

31AD: Tue 8 - 9:15, Delta Ballroom C, Opryland Hotel

ID:510047

Level:
All

Course:
High Availability
Resilience

Speaker:
Russell Popeil
DataMirror

You will hear the real life experience of an IT Director of a major International Bank with North American offices based in the Wall Street area of NYC. As a member of the Business Continuity Steering Committee, he will discuss the challenges to developing the plan, the successes and pitfalls his team encountered.

This presentation discusses the importance of High Availability especially during uncertain times, as well as, how to build a fully proven contingency plan, and the options available for data backup and disaster recovery.

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

1. Know how to manage expectations (HA and Business Continuity is a project not a product).
2. Find out how to evaluate High Availability needs and know how much is enough.
3. Utilize the HA box for reporting or a development environment to lower the cost of ownership.
4. Leverage existing technology investments for enhanced infrastructure integrity.
5. Look beyond computer systems to develop a full business continuity plan.

LAB: IASP Your Application

31LA: Tue 8 - 10:45, Bayou C, Opryland Hotel

ID:540171

Level:
All

Course:
High Availability
Resilience

Speakers:
Jenny Dervin
IBM Corporation
Chuck Stupca
IBM Corporation

Highly available applications are implemented using Independent Auxiliary Storage Pools (IASPs). This lab session will provide the attendee with an exercise that will result in application objects residing in an IASP.

V6R1: Getting the Most Out of BRMS Recoveries!

32GF: Tue 9:30 - 10:45, Governor's Ballroom C, Opryland Hotel

 **BRONZE**
ID:403136

Level:
Intermediate

Course:
Managing System i Environment

Speaker:
Deb Saugen
IBM Corporation

Backup, Recovery and Media Services (BRMS) takes the guesswork out of i5/OS complete system recoveries.

In this session, attendees will learn:

1. How to get the most out of BRMS recovery on any release of i5/OS.
2. Valuable tips to make recovery easier.
3. Tips for recovering with Media Library Devices.

DR Confessions - The Movie ®

41MG: Wed 8 - 9:15, Cheekwood H, Opryland Hotel

 **BRONZE**
ID:510153

Level:
Intermediate

Course:
High Availability Resilience

Speaker:
Richard Dolewski
WTS Inc.

Disaster Recovery can be a good or painful experience. The mistakes are common and plenty. Learn from a hot site provider that has seen the good, the bad and the ugly in both DR testing and disasters. This session is a compilation of assumptions, technical gaps, blunders and good practices recommendations.

Come to this session to benefit from others' mistakes and understand good practices for DR.

Disaster Strikes i5/OS, Are You Ready?

33MG: Tue 11 - 12:15, Cheekwood H, Opryland Hotel

 **BRONZE**
ID:420019

Level:
Advanced

Course:
High Availability Resilience

Speaker:
Richard Dolewski
WTS Inc.

You have a disaster recovery plan but are you really prepared? Your plan references the AS/400 Backup & Recovery manual--all 600 pages of it. Where do you start? In this session, a complete step by step recovery of a System i will be presented. Attendees will leave this session with a working technical recovery script (provided) for recovering their systems back home. This session will also investigate numerous exposures in the disaster recovery planning model in today's IT shops. This is a technical interactive session.

Managing Your HA Solution

41GA: Wed 8 - 9:15, Governor's Ballroom A, Opryland Hotel

ID:520098

Level:
All

Course:
High Availability Resilience

Speaker:
Jenny Dervin
IBM Corporation

You have chosen the right solution. You have set it up. Now what happens? Once you have set up your HA solution, your business will be operating in a new HA world. What does that mean? What changes? How do I do it? This session will show planned and unplanned outage steps that will provide the operations staff confidence that they can handle whatever may come their way.

V6R1: Setting Up Your HA Solution

37GF: Tue 5 - 6:15, Governor's Ballroom C, Opryland Hotel

ID:520096

Level:
All

Course:
High Availability Resilience

Speaker:
Jenny Dervin
IBM Corporation

You have chosen the right solution for your business. However, without guidance, setting up your HA solution can be a daunting task. This session will go through the setup process (planning, deploying and testing) that are common to all HA solutions. While all HA solutions will be covered, special emphasis will be given to IASP HA solutions.

Where is High Availability Heading - The New Vision Solutions

41GF: Wed 8 - 9:15, Governor's Ballroom C, Opryland Hotel

ID:540119

Level:

All

Course:

High Availability Resilience

Speaker:

Doug Piper
Vision Solutions, Inc.

Come hear from the experts from the new Vision Solutions about the expanded list of solutions they bring to the market. Learn how are we positioning our suite of products to fill a broad range of your needs. Hear about our plans to make HA available to small companies that cannot afford traditional dual systems based HA. A team of executives from Vision -- which is now made up of the old Vision, iTera and Lakeview Technologies -- will review the state of the merger and plans to integrate the features, functions and products of all three.

By the end of this session, attendees will understand:

1. The role iTera products in Vision Solutions.
2. The role of Lakeview's products in Vision Solutions.
3. Product strategy directions at Vision Solutions.

Case Study: Is Your HA Truly High Availability?

43GF: Wed 11 - 12:15, Governor's Ballroom C, Opryland Hotel

 BRONZE
ID:450052

Level:

Intermediate

Course:

High Availability Resilience

Speaker:

Richard Dolewski
WTS Inc.

You have invested in a high availability solution, but have you ever used your solution in a planned or unplanned outage? Is your target box ready to run your production applications? This session reviews the audit process and identifies common findings for failure. A gap analysis will provide a basis for discussion. Can you really run your business from that other box? Make your HA ready for true Disaster Recovery.

Application Recovery and Other Tricks: Thinking Outside the Developer'sToolBox

43GE: Wed 11 - 12:15, Governor's Chamber B, Opryland Hotel

ID:510026

Level:

Intermediate

Course:

Application Development

Speaker:

Charles Guarino
Central Park Data Systems, Inc.

A well rounded programmer not only knows how to code efficiently, but also how to research and resolve those errors that are bound to occur. Attend this fast paced and entertaining session to learn many field tested techniques that are essential for application recovery and problem solving. Real world examples you can take back and use immediately.

Topics in this session include:

1. A quick way to create test data from production.
2. Making the best use of system job logs.
3. A method to predetermine record format level checks.
4. Effective methods for verifying and comparing file updates.
5. Creating a free application cross reference.
6. A quick and clever way to fix invalid decimal data errors in your database.

V6R1: Effective Backup and Basic Availability Considerations

44GF: Wed 12:30 - 3:15, Governor's Ballroom C, Opryland Hotel

ID:250116

Level:

All

Course:

High Availability Resilience

Speaker:


Al Barsa, Jr.
Barsa Consulting Group, LLC

Session Level: All

This session will discuss i5/OS considerations for quick backup and availability. The covered topics will range from backup, to journaling, SMAPP, access path journaling, and commitment control. This session, or the equivalent knowledge, is a prerequisite for Recovery and High Availability Solutions (250445).

Disaster Recovery Primer - Ready, Set, Plan

45MG: Wed 2 - 3:15, Cheekwood H, Opryland Hotel

 **BRONZE**
ID:510004

Level:
Intermediate

Course:
High Availability
Resilience

Speaker:
Richard
Dolewski
WTS Inc.

Do you have a disaster recovery plan? Are you really prepared? The difference in surviving in business depends on how well you prepare for the unexpected. If a disaster struck, how would your company do? This session is designed for the IT personnel responsible for systems availability. Using the Business Continuity Model, the session breaks down the various components of the disaster recovery planning as it relates to the availability and recovery of computing services. Attendees will be provided with the tools for writing a successful computer disaster recovery plan.

Business Resiliency: How to Get the Green Light from your CFO

45GE: Wed 2 - 3:15, Governor's Chamber B, Opryland Hotel

ID:540160

Level:
All

Course:
High Availability
Resilience

Speaker:
Tim Schuetz
IBM Corporation

In this session, we will:

1. De-bunk many of the myths that hold up the deployment of a Business Resiliency (HA) solution in businesses large and small.
2. Focus on empowering you with the latest issues and justifications that can be put in front of your CFO to kick-start the process of evaluating how best to protect critical business information.
3. Help you to help move the mindset of key decision-makers who still view HA as an expense rather than a core investment decision that can no longer be ignored, and to view Business Resiliency justification as a critical part of the CEOs objectives for their company.

Fault Tolerant Networking in i5/OS

46GC: Wed 3:30 - 4:45, Governor's Chamber D, Opryland Hotel

ID:500215

Level:
All

Course:
Networking

Speaker:
Christy
Norman
IBM Corporation

In today's high-volume networking environments, even the briefest periods of downtime can be costly. Whether your network experiences downtime due to unexpected device failure or periodic maintenance, there is a way to greatly limit outages using Virtual IP Addresses (VIPAs) and load-balancing. Unlike traditional IP addresses, these IP addresses can "float" from one adapter to another, enabling immense flexibility and transparent failover in a potentially disastrous situation. Load-balancing can be leveraged using multiple adapters.

This session will cover VIPAs, their underlying functionality, various uses and benefits, as well as simple setup and examples. We'll also touch on how to maximize adapter functionality with advanced routing techniques.

V6R1 i5/OS Web GUI for Clustering and HA

46CA: Wed 3:30 - 4:45, Canal A, Opryland Hotel

ID:520100

Level:
All

Course:
High Availability
Resilience

Speakers:
Chuck Stupca
IBM Corporation
Jenny Dervin
IBM Corporation

Take the V6R1 i5/OS web-based graphical interfaces for Cluster Resource Services and HA for a spin. This lab session will show you 2 different graphical interfaces to set up and manage your HA solution. The Cluster Resource Services (task-based) GUI provides the power and flexibility to control every feature and every step of the process, while the High Availability Solutions Manager (solutions-based) GUI provides the simplicity and ease of setting up and managing predefined HA solutions.

Perfect SaaS: Online Backup and Recovery for System i

46MG: Wed 3:30 - 4:45, Cheekwood H, Opryland Hotel

ID:540125

Level:
All

Course:
High Availability
Resilience

Speaker:
Jacques
Swanepoel
EVault, Inc., A
Seagate Company

The Software as a Service (SaaS) model has become the "darling" of the software industry, with research indicating interest in this delivery model has almost quadrupled among businesses over the past year. To better understand SaaS and its evolution, this presentation will explore the evolution of the SaaS model and explain how SaaS has become a "best practice" to efficiently and cost-effectively backup and recovery critical business data for iSeries environments.

The audience will learn:

1. The differences between an ASP and SaaS offering.
2. Key trends fueling the SaaS model and parallels in the evolution of data backup.
3. Why disk-to-disk (D2D) backup is one of today's hottest SaaS segments.
4. What to look for in a backup/recovery SaaS provider for System i environments.

V6R1: Save While Active

47GF: Wed 5 - 6:15, Governor's Ballroom C, Opryland Hotel

 SILVER
ID:250387

Level:
All

Course:
High Availability
Resilience

Speaker:
Al Barsa, Jr.
Barsa Consulting
Group, LLC

Session Level: All

Does your backup window keep shrinking, while your users want a more available system? Save While Active is the most dramatic thing you can do to shrink your backup window. This session will set the record straight as to what SWA can and can't do, and what gets in its way. It will dispel many myths about SWA not working or being magic. SWA may or may not be right for you, so come and find out. SWA enhancements in recent releases will be covered.

Are You Prepared for a Disaster? Consider Paperless Process Management

51GF: Thu 8 - 9:15, Governor's Ballroom C, Opryland Hotel

ID:520149

Level:
Advanced

Course:
High Availability
Resilience

Speaker:
Dennis
Sylvestre
Quadrant Software

Disaster recovery plans are part of any organization, no matter what size. The problem is when most of the work being done involves paper. Purchase Orders, Invoices, customer files; if they are on paper, the risks are even greater. That's why companies are now turning to Paperless Process Management. By transforming the documents into digital format, your business can continue operating as usual. You can access your files no matter where you are and how fast you need.

In this presentation, we will address the key factors to consider when planning your disaster recovery plan as it deals with your mission-critical documents and what steps you should take to ensure that a Paperless solution will be an integral part of your business continuity goals.

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

1. Understand the key factors that make a Paperless solution viable from a disaster recovery perspective.
2. Evaluate whether your current plans are enough to guarantee smooth transition and continued operations.
3. Address any shortcomings on your current disaster recovery plans by adopting a Paperless solution.

V6R1: Disaster Recovery - Be Prepared!

53GH: Thu 11 - 12:15, Governor's Ballroom E, Opryland Hotel

ID:170062

Level:
Beginner

Course:
High Availability
Resilience

Speaker:
Deb Saugen
IBM Corporation

Performing a successful i5/OS disaster recovery -- whether conducting a test or recovering from a real disaster -- is key to any company's business continuity. Learn the top 10 mistakes customers make when testing or performing a real disaster recovery. The recovery process will be discussed along with tips, techniques and best practices to ensure your recovery goes as well as possible.

Prerequisite: A basic understanding of backup and recovery. COMMON S08 Nashville, page 6

V6R1: Honey, I Shrunk My Backup/ Recovery Windows! You Can Too!

54GF: Thu 12:30 - 1:45, Governor's Ballroom C,
Opryland Hotel

ID:470003

Level:

All

Course:

Managing
System i
Environment

Speaker:

Deb Saugen
IBM Corporation

New hardware and tape technology in combination with software enhancements in Backup, Recovery and Media Services (BRMS) using Concurrent and Parallel Saves, Save-while-active and Online Lotus Server Backups are resulting in huge reductions to backup/recovery windows. V6R1 brings faster system recoveries if you have logical and physical files residing in different libraries. Learn how you too can dramatically reduce your backup and recovery windows!

Achieving "Hands Free" Operations - 90% of Downtime is Planned: Learn How to Avoid it

54GH: Thu 12:30 - 1:45, Governor's Ballroom E,
Opryland Hotel

ID:540120

Level:

All

Course:

High Availability
Resilience

Speaker:

David E.
Brown
Vision Solutions,
Inc.

Expand your horizons beyond traditional HA solutions that focus primarily on disasters. Learn about tools and techniques to automate the planned down time and role swaps time in your systems from activities such as time for version migrations and back ups. Automatically alert your key staff of any conditions occurring even when no human operators are present at the installation

By the end of this session, attendees will understand how to achieve "hands free" high availability.