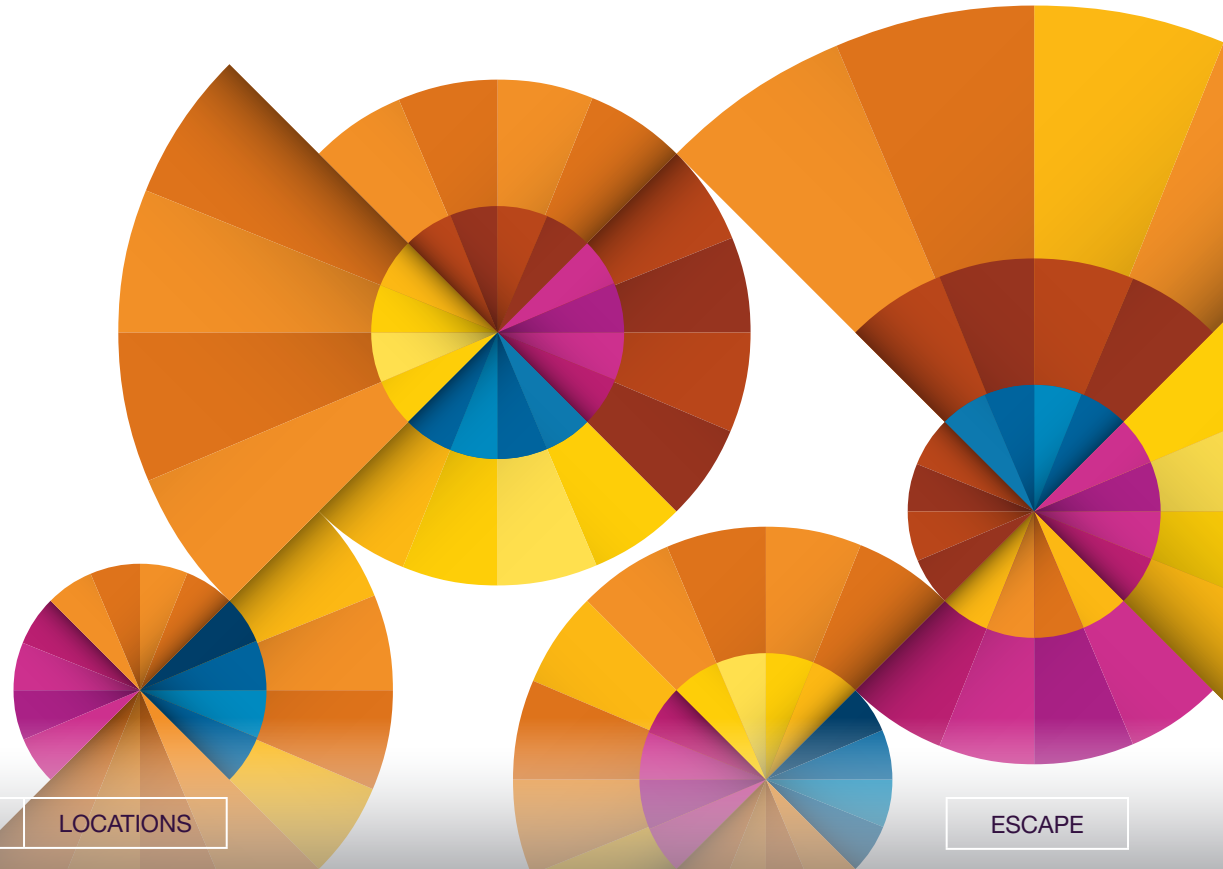


IBM z Systems® Technology Summit

Support new market-driven applications for cloud, analytics, mobile and security with the latest in mainframe technology



INVITATION

OVERVIEW

AGENDA

ABSTRACTS

LOCATIONS

ESCAPE

To remain competitive, global businesses need to be able to rapidly develop and deploy new applications and modernize existing applications. At the same time, they must take issues related to cloud, analytics, mobile and security into account. Even if your IT budget is tight, enterprise technology from IBM can help you close the gap between where you are and where you want to be. Attend the IBM z Systems Technology Summit to learn more about today's latest innovations.

At the full-day **2015 IBM z Systems Technology Summit**, you'll hear about the latest enhancements in mainframe hardware and software. You can gain insight into new capabilities that help you take advantage of your data assets and manage them securely to support new market-driven applications for cloud, analytics and mobile

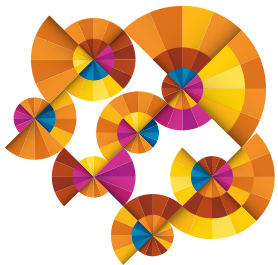
At the Summit, you have opportunities to learn from real-world scenarios, live demonstrations and in-depth presentations. Experts will be on hand to discuss many "out of the box" benefits in the z Systems portfolio of products with practical tips, best practices and guidance on many of the critical topics facing IT professionals today. We also can help you develop long-term strategies for implementing what you learn.

Led by IBM experts, the in-depth sessions cover a wide range of topics, including:

- Positioning your enterprise for secure cloud, analytics and mobile computing
- Using DB2 for z/OS for powering cloud, mobile and analytics
- Modernizing mainframe applications for mobile
- Delivering software innovation up to 10X faster
- Driving value by moving hybrid and private cloud workloads to z Systems

Big data and analytics, cloud, mobile and security have become key ingredients of enterprise software development and IT infrastructures, and today's leading global businesses rely on z Systems. By driving innovation in application development, z Systems expands on that foundation for better enterprise performance and overall productivity. Don't miss this opportunity to see how much you have to gain.

Visit ibm.com/software/os/systemz/2015summit/index.html for additional information on locations and registration



2015 IBM z Systems
Technology Summit



Overview

Our technical sessions are grouped into five tracks defined by topic and job responsibility, with many sessions for each track. Find the track that's right for you and click to see the full day's agenda of in-depth sessions on the latest technology and how it can help you solve specific IT issues and concerns. In addition, you can link to the abstract for each session. These abstracts are also grouped by track.

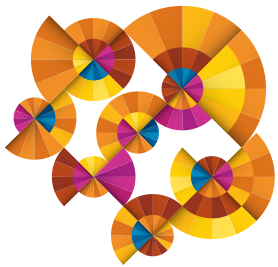
The day begins with:

8:00 a.m. Continental breakfast and registration

8:30 a.m. General session

9:15 a.m. Breakout sessions begin

Select a track	Developed for	Agenda
1 Positioning your enterprise for cloud, analytics and mobile computing	IT managers, enterprise architects, and line-of-business managers	→
2 z Systems – The ultimate data server for big data, analytics, mobile and cloud	Database managers, architects and administrators	→
3 Extending the mainframe to the mobile enterprise	Application architects and CICS, IMS and Java developers	→
4 Modern application architectures for Dev Ops	Application developers and application architects	→
5 Utilizing z Systems for cloud, security and systems management	IT operations managers, security administrators and systems programmers	→



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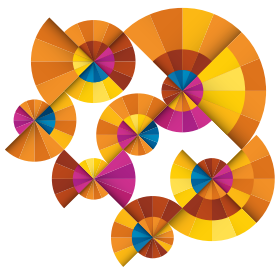


Agenda

Track 1: Positioning your enterprise for cloud, analytics and mobile computing

Developed for: IT managers, enterprise architects, and line-of-business managers

	Title	Abstract
9:15 a.m.	Positioning your enterprise for cloud, analytics and mobile computing	→
10:15 a.m.	The mainframe and mobile computing: a perfect match	→
11:15 a.m.	Scoring fast and winning big with analytics on z Systems	→
12:00 p.m.	<i>Lunch</i>	
1:00 p.m.	Implementing hybrid clouds with z Systems	→
2:00 p.m.	Easy and agile development and administration for cloud, analytics and mobile computing	→
3:00 p.m.	Building the business case for cloud, analytics and mobile computing on z Systems	→
3:45 p.m.	Close and next steps	



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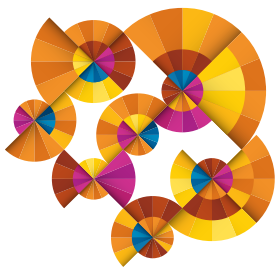


Agenda

Track 2: z Systems – The ultimate data server for big data, analytics, mobile and cloud

Developed for: Database managers, architects and administrators

	Title	Abstract
9:15 a.m.	The big picture - z Systems, the data server for big data, analytics, mobile and cloud	→
10:15 a.m.	Application-enabling features of DB2 10 and 11 for z/OS	→
11:15 a.m.	Connecting applications, including mobile and cloud, with data on z Systems	→
12:00 p.m.	<i>Lunch</i>	
1:00 p.m.	Hybrid transaction and analytical processing: a z Systems sweet spot	→
2:00 p.m.	The DB2 Analytics Accelerator: New capabilities and use cases	→
3:00 p.m.	Optimizing DB2 for z/OS systems: Lessons learned from DB2 360 studies	→
3:45 p.m.	Close and next steps	



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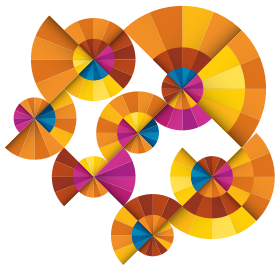


Agenda

Track 3: Extending the mainframe to the mobile enterprise

Developed for: Application architects and CiCS, IMS and Java Developers

	Title	Abstract
9:15 a.m.	Mobilizing the mainframe	→
10:15 a.m.	Modernizing mainframe applications for mobile and more	→
11:15 a.m.	Exposing mainframe applications and services to mobile devices	→
12:00 p.m.	<i>Lunch</i>	
1:00 p.m.	Developing an IBM MobileFirst Platform application for z Systems	→
2:00 p.m.	Optimizing applications and data for mobile workloads	→
3:00 p.m.	Client use cases and getting started with mobile and z Systems	→
3:45 p.m.	Close and next steps	



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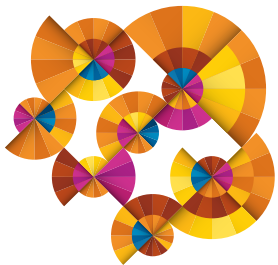


Agenda

Track 4: Modern application architectures for Dev Ops

Developed for: Application developers and application architects

	Title	Abstract
9:15 a.m.	DevOps for z Systems to transform your software delivery and capability and deliver a solid ROI	→
10:15 a.m.	Use multi-platform IDEs to accelerate development and testing	→
11:15 a.m.	How can I shift left to achieve better business results?	→
12:00 p.m.	<i>Lunch</i>	
1:00 p.m.	BlueMix to mainframe: deployment automation for hybrid cloud	→
2:00 p.m.	Managing source code and unifying development teams	→
3:00 p.m.	Why should I upgrade to the latest compiler?	→
3:45 p.m.	Close and next steps	



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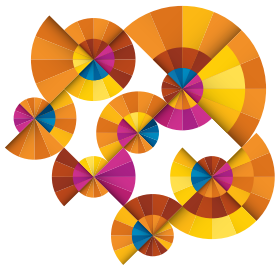


Agenda

Track 5: Utilizing System z for cloud, security and systems management

Developed for: IT operations managers, security administrators and systems programmers

	Title	Abstract
9:15 a.m.	Simplify your operations	→
10:15 a.m.	Using proactive analytics to better manage your IT operations	→
11:15 a.m.	Drive value by utilizing hybrid and private cloud workloads on z Systems	→
12:00 p.m.	<i>Lunch</i>	
1:00 p.m.	Cloud security	→
2:00 p.m.	Protecting big data	→
3:00 p.m.	Compliance and security intelligence made easy	→
3:45 p.m.	Close and next steps	



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Track 1: Positioning your enterprise for cloud, analytics and mobile computing

Developed for: IT managers, enterprise architects, and line-of-business managers

9:15 a.m.

Positioning your enterprise for cloud, analytics and mobile computing

Today's business challenges are daunting. How can you get quality revenue-generating products to market fast enough? How do you address growing operational costs? How do you ensure security? Digital business is driving new initiatives. How do you best extend support for mobile and social interactions, enhance business with deep analytics, and utilize efficient hybrid computing and services platforms? In this session, we look at digital business concepts and how you can most efficiently and effectively position your enterprise. We also examine why infrastructure matters for the critical information and data at the heart of business. You learn why a centralized, powerful, scalable and secure computing platform like the newest z Systems server is essential for security and the growth in cloud, analytics and mobile computing.

10:15 a.m.

The mainframe and mobile computing: a perfect match

Mobility and mobile devices have changed the way enterprises do business. End users expect access to real-time data from their devices anytime, anyplace and anywhere. Back-end systems must efficiently handle greater transaction volumes and unpredictable transaction rates, while maintaining service levels and ensuring secure access to data. The z Systems platform is ideal for mobile applications. It has the power to handle the millions of mobile-generated transactions, the scalability to adjust to unpredictable transaction variations and the ability to securely manage mobile workloads with other business workloads. In this session, we look at how you can easily and securely open your mainframe applications and data to mobile devices. We also explore strategies for accessing and

sharing data as load and demand grow exponentially. At the session, we share the new mobile workload pricing model that is designed to make adoption of a mobile strategy more cost-effective.

11:15 a.m.

Scoring fast and winning big with analytics on z Systems

The use of analytics can help you gain business insights. With information from analytics, companies can cater products and services to individual customers and to more easily detect fraudulent activity. They also can steer their businesses toward new growth initiatives. Using analytical insights that can be seamlessly integrated with real-time on-platform transactions and data, it is possible to determine best actions or detect fraud quickly. But to realize these benefits, enterprise database technologies must provide a hybrid transaction and analytical platform. Because more than 60 percent of the world's transactions run on mainframe computers, z Systems can offer an unparalleled environment for supporting end-to-end analytics.

1:00 p.m.

Implementing hybrid clouds with z Systems

Running business workloads on private cloud environments built on z Systems with Linux and using IBM cloud software can be less expensive than using public cloud platforms. It also offers guaranteed service. z Systems work together with IBM's cloud-based platform-as-a-service for development. This agile hybrid cloud environment helps enable turnkey access to the Internet of Things, while keeping proprietary mission-critical data securely managed and curated on a company's existing mainframe. In this session, we describe the capabilities and possibilities related to running IBM cloud software on z Systems with Linux, and how you can gain the highest levels of service, scalability and security.

2:00 p.m.

Easy and agile development and administration for cloud, analytics and mobile computing

People unfamiliar with mainframe computers might think applications are still developed with batch compilation and managed using cryptic commands on green screens. In fact, z Systems support the latest GUI and Eclipse-based methodologies, development tools and administration. They're intuitive, familiar and agile for baby boomers and millennials alike. Development and operations skills acquired on distributed platforms port easily to today's mainframe tools. In this session, we examine current mainframe skills requirements and show you a broad range of IBM z Systems administration and DevOps tools.

3:00 p.m.

Building the business case for cloud, analytics and mobile computing on z Systems

This session summarizes the value that z Systems brings to digital business with a brief look at IT economics. The focus is on understanding why total costs are often lower on z Systems platforms versus x86 platforms with several real-world examples and use cases. This session brings together the entire day's discussions of secure cloud, analytics and mobile computing on z Systems, so you can develop a strategy for building a business case for adoption in your organization. We give you guidelines for articulating value and help you formulate compelling reasons to act.

3:45 p.m.

Close and next steps

Track 2: z Systems – The ultimate data server for big data, analytics, mobile and cloud

Developed for: Database managers, architects and administrators

9:15 a.m.

The Big picture - z Systems, the data server for big data, analytics, mobile and cloud

Today, organizations demand more than just “speeds and feeds” from data-serving technology. In this session, you hear about recent advances in IBM z Systems information management software that can help you build and extend applications that use big data, analytics, mobile and cloud computing to respond to customer needs more quickly and personally.

10:15 a.m.

Application-enabling features of DB2 10 and 11 for z/OS

The value of an organization’s data assets relate to the value of the applications that access the data. Data powers applications, and applications power organizational performance. In this session, you learn about recent DB2 for z/OS features that enable efficient and agile development of new applications. Topics to be covered include new analytics capabilities, temporal data enhancements, new SQL Procedure Language features, advances in large object management, enhanced XML support and integration with Hadoop-managed data.

11:15 a.m.

Connecting applications, including mobile and cloud, with data on z Systems

Although z Systems provides unmatched scalability, security and availability for valuable data, applications have to be able to get to that data. Applications also must be able to access the data from a variety of front-end layers, including cloud and mobile. In this session, you learn about new options for connecting to z Systems -based data, including z/OS Connect. You also learn about new ways to manage connections to a DB2 for z/OS system for enhanced performance and control.

1:00 p.m.

Hybrid transaction and analytical processing: a z Systems sweet spot

More analytics work is being performed on operational systems. In this session, you learn how z Systems can be used as a platform for hybrid transaction and analytical processing, a mode of information processing through which analytics can become an inline component of transactional applications. The session includes information about newer technologies such as real-time scoring with SPSS, BigInsights for Linux on z Systems, the InfoSphere z Systems Connector for Hadoop, and how Linux on z Systems can be used as a platform for analytics applications such as Cognos BI.

2:00 p.m.

The DB2 Analytics Accelerator: New capabilities and use cases

The DB2 Analytics Accelerator can dramatically improve query performance in data warehouse-type environments, and new capabilities have opened up other uses for the technology. In this session, you learn about recent DB2 Analytics Accelerator enhancements have given organizations new opportunities to improve business outcomes and reduce costs. The use cases include real-time operational analytics using applications such as Cognos BI for Linux on z Systems and dynamic, predictive capacity management using IBM Capacity Management Analytics for z Systems.

3:00 p.m.

Optimizing DB2 for z/OS systems: Lessons learned from DB2 360 studies

New DB2 for z/OS capabilities can drive workload growth, so you need to manage DB2 for z/OS systems for optimal performance, data integrity, availability and business continuity. This session offers insights from DB2 360 studies performed by IBM teams for many organizations around the world. You learn about common pitfalls in preparing for data integrity checking, rolling in maintenance and new releases, pre-production access path modeling, disruptive database schema changes, lost performance opportunities, disaster-recovery dress rehearsal, and real-memory planning, monitoring and control.

3:45 p.m.

Close and next steps

Track 3: Extending the mainframe to the mobile enterprise

Developed for: Application architects and CICS, IMS and Java developers

9:15 a.m.

Mobilizing the mainframe

Using existing investments in mainframe applications and data is the fastest and most cost effective way to expose a business' core capabilities to new channels such as mobile. This session offers an overview of the IBM MobileFirst Platform and the specific value that z Systems brings to the mobile enterprise. Focus is given on mobile capabilities available in IBM technologies such as CICS Transaction Server, CICS Transaction Gateway, IBM MobileFirst Platform, IBM API Management and WebSphere Liberty z/OS Connect.

10:15 a.m.

Modernizing mainframe applications for mobile and more

This session focuses on the latest capabilities inherent in applications such as CICS and WAS on z/OS that support new workload applications. You learn about features such as the Liberty profile and Java on z Systems, which make it easier than ever to modernize existing applications. The session goes beyond mobile applications with a discussion on how you can modernize business decisions and batch jobs to create a more agile and responsive environment.

11:15 a.m.

Exposing mainframe applications and services to mobile

Exposing mainframe applications and data to mobile devices makes business sense, but how can you ensure that the critical connection of z Systems to mobile is as straightforward as possible? This session focuses on technologies that simplify the integration of z/OS applications such as CICS, IMS and WAS on z/OS with mobile applications. We examine the WebSphere Liberty z/OS Connect feature, which provides a simple, secure and standards-based interface to applications that must access z/OS assets. Additional technologies such as MQ, API Management and DataPower, which can further enhance integration, management and security also are covered.

1:00 p.m.

Developing an IBM MobileFirst Platform application for z Systems

How can you ensure that mobile applications are written once for supporting multiple device types? Which tools from the IBM Rational portfolio are most useful in creating mobile applications to access z Systems services? This session focuses on developing a mobile application to access the mainframe with an emphasis on the server run-time and development environment of the IBM MobileFirst Platform. We look at the development from a CICS application use-case perspective and demonstrate the steps to connect to the CICS application from mobile devices.

2:00 p.m.

Optimizing applications and data for mobile workloads

The proliferation and ease of access for mobile devices translates to more frequent but less predictable access patterns. To maintain the response-time expectations of mobile users, z/OS applications need to be optimized through application/code analysis, performance enhancements, diagnostics and troubleshooting. IBM z/OS tools, including CICS tools and problem determination tools, provide the essential tuning to ensure optimal performance. In this session, you learn how the resiliency requirements of mainframe applications are maintained in support of new workloads such as mobile.

3:00 p.m.

Client Use Cases and Getting Started with Mobile and z Systems

This session will cover use cases for real clients implementing mobile for z Systems. Learn how clients are quickly adapting existing mainframe applications and data for mobile applications. Examine your own level of mobile readiness with the z Systems perspective on the Mobile Maturity Model. Explore some acceleration techniques that can speed the adoption of mobile, such as the Mobile Reference Architecture for z Systems, IBM Ready Apps for industry solutions, and mobile starter kits available through the Mainframe Mobile App Throwdown contests.

3:45 p.m.

Close and next steps

Track 4: Modern application architectures for Dev Ops

Developed for: Application developers and application architects

9:15 a.m.

DevOps for z Systems to transform your software delivery capability and deliver a solid ROI

Mobile, social, big data and cloud technologies are driving the demand for new, faster and more responsive approaches to software delivery across all platforms, middleware and devices. Application architects must ensure that this composite architecture is scalable, reliable, agile and manageable. The goal is to push out more features in each release and get more releases out the door to meet business requirements while maintaining compliance and quality. Amid these demands are some common issues or gaps with software delivery that need to be addressed. In this session, we discuss what is new in z DevOps that can transform your enterprise software delivery capability and bring a transparency to the software development lifecycle that can simplify management and improve response times.

10:15 a.m.

Use multi-platform IDEs to accelerate development and testing

This scenario-driven session highlights the ease of using an Integrated Development Environment to accelerate multi-platform development and testing (from zUnit, to integrated debugger to off-host testing). We show how Rational Developer for the Enterprise supports the design, creation, deployment and maintenance of traditional transactional applications and modern composite applications running on IBM z/OS. We highlight the integrated debugger, which provides full edit, compile and debug capabilities. These capabilities can remove the need for additional debug and code coverage products.

11:15 a.m.

How can I shift left to achieve better business results?

Continuous integration testing is a process that consists of continuously compiling, inspecting, deploying and testing source code changes. In many continuous integration environments, you must run a new build whenever code within a source code management repository changes. With continuous integration, assembling and testing software early and often can increase the likelihood that defects can be detected earlier in the development cycle. With early detection, problems can be more easily managed and late stage integration defects can be reduced. In this session, we demonstrate how easy and automated continuous testing can be in the mainframe environment.

1:00 p.m.

BlueMix to mainframe: deployment automation for hybrid cloud

Because of market pressures, distributed and mainframe organizations must build and test applications more efficiently and economically. Organizations also need to deliver end-to-end applications quickly. Teams must implement code changes quickly, complete testing and deploy the application swiftly. However, based on prevailing mainframe delivery methods, it can take weeks or even months just to make simple module changes. This session provides an overview of DevOps solutions that can automate building, deploying and testing. These solutions can reduce manual effort and add repeatability and stability to the delivery process.

2:00 p.m.

Managing source code and unifying development teams

In this session, we explain how you can use Rational Team Concert and how to promote, package and deploy the code using the latest techniques to reduce costs, improve code quality and efficiency. You learn how you can work across disparate platforms to deliver innovative software solutions more quickly and break down IT silos, so you are able to support globally and technically diverse teams. We also examine case studies that show how customers have migrated from older SCM systems to a collaborative and efficient lifecycle management solution.

3:00 p.m.

Why should I upgrade to the latest compiler?

The new IBM z Systems architecture and middleware have many advanced features to deliver high execution performance for your business critical applications. However, you cannot take advantage of these advancements without help from the latest z Systems compilers. These compilers ship with advanced technology that is designed to optimize the performance of business-critical applications. Our team of experts discuss how you can exploit the latest advancements in Enterprise COBOL, Enterprise PL/I and z/OS XL C/C++ compilers and share best practices for moving to new versions to deliver high quality and high performance applications on time and within budget.

3:45 p.m.

Close and next steps

Track 5: Utilizing z Systems for cloud, security and systems management

Developed for: IT operations managers, security administrators and systems programmers

9:15 a.m.

Simplify your operations

In this session, we discuss how IBM Performance Management and Service Management Suites solutions can work across traditional, private cloud, public cloud and hybrid architectures to automate and monitor applications and business processes. The solutions can enable greater flexibility, better visibility, improve application up-time and ensure that IT departments meet service level agreements (SLAs).

10:15 a.m.

Using proactive analytics to better manage your IT operations

Today's explosion of data is driven by increases in mobile data volumes and new technologies such as RFID. This increase in data is creating chaos within many IT environments. To drive better business decisions and improve customer satisfaction, it's now necessary to analyze massive volumes of structured and unstructured data from multiple systems and applications. Many customers use manual processes today to analyze this data, which can be overwhelming. A manual approach also increases the time it takes to solve problems and may affect production and committed SLAs. In this session, we look at how you can support z/OS problem determination and resolution with the standard built-in knowledge from z/OS-related logs. We also examine how you can search and analyze logs and other operational data types, perform faster root cause analysis and avoid outages by detecting emerging problems before your business is affected.

11:15 a.m.

Drive value by utilizing hybrid and private cloud workloads on z Systems

All cloud workloads are not alike. In this session, you learn how to use the mainframe's hybrid architecture to deploy and manage hybrid workloads that span several operating environments and require the quality of service that z Systems provides. We highlight the tools you can use to ensure high performance and high security for your business-critical workloads on Linux for z Systems. We examine how you can automate provisioning and monitoring of your critical workloads and provision a workload on z Systems with a self-service portal running on a distributed system. The session also explores strategies for expanding the breadth of coverage for managing hybrid and private clouds and reducing risk with performance management of the cloud infrastructure. We also discuss the backup and restore of associated workload storage.

1:00 p.m.

Cloud security

As more and more workloads and data move into the cloud, ensuring adequate security and privacy continues to be a major concern. This session focuses on the security requirements for z Systems in the cloud. First, we examine the delivery models and layers of a cloud together with the different client responsibilities and the risks associated with each model. Next, we present four unique use cases that depict the most common uses of z Systems in a cloud environment. We also explain the four security pillars: people and identity, data, applications and infrastructure. Then we discuss security solutions that align with these four security pillars and how they apply to z Systems.

2:00 p.m.

Protecting big data

Big data equals big opportunities, but if you don't have the right security and privacy controls in place you can expose the business to unnecessary risks that can affect it financially and damage its brand. The challenges of preventing a breach become even more complex because of compliance requirements, mobile computing and cloud data storage. Taking a proactive approach can keep incidents from becoming headline breaches. In this session, you learn how InfoSphere information protection solutions can help proactively protect more of your enterprise data than ever before. InfoSphere offers real-time alerting and monitoring, blocking and privacy to help prevent incidents without affecting the performance of your production systems.

3:00 p.m.

Compliance and security intelligence made easy

Mainframes host mission-critical corporate information and production applications for many financial, healthcare, government and retail companies that require highly secure systems and regulatory compliance. Demonstrating compliance for your industry can be complex. Failure to comply can result in vulnerabilities, audit failures, loss of reputation, security breaches and even system shutdown. In this session, you learn how you can help protect the mainframe with security analytics that can help detect vulnerabilities. We explain how you can extend your modern mainframe to help comply with industry regulations, reduce costs and protect your enterprise while supporting cloud, mobile, social and big data environments.

3:45 p.m.

Close and next steps



Location and date

Washington, DC

Marriott Wardman Park
2660 Woodley Road, NW
Washington, DC 20008

February 3, 2015

More cities will be added at a later date. Visit our [IBM z Systems Technology Summit 2015](#) website for the most up-to-date information.



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