Technical Event
Session Directory

IBM WebSphere Technical University 2014

October 28 – 31
International Congress Center Düsseldorf, Germany

powered by
the IBM Global Training Providers
Organized by LearnQuest

The IBM WebSphere Technical University 2014 is an event delivering in-depth technical content targeted at architects, developers, integrators and administrators by offering lectures and hands-on labs that focus on the best practices and practical skills required to run today's enterprise.

Select from over 120 in-depth technical sessions and hands-on labs across the following conference tracks:

- **Track 1: Mobile Enterprise** ***See page 6***
  Track focuses on tools and methodologies that help you to build, integrate, manage and protect mobile infrastructures, applications, data and devices.
- **Track 2: Smarter Process** ***See page 10***
  Learn how the customer-activated enterprise is vital to your business, including core processes and decision-making. Covering IBM Decision Manager, IBM Business Process Management, IBM Business Monitor and more.
- **Track 3: Cloud** ***See page 17***
  Learn how to use cloud computing to innovate, build cloud applications on open architectures, and employ a 'pay-for-use' cloud infrastructure for hybrid or private cloud infrastructure. Covering IBM Pure Application Systems – Pure App as well as IBM's new cloud platform Bluemix, and SoftLayer, the highest performing cloud infrastructure available.
- **Track 4: Application Infrastructure** ***See page 20***
  Learn how IBM Application Infrastructure helps provide flexibility and dynamic scale to transactional applications and dramatically faster rates of change. Covering WebSphere Application Server, MQ, MessageSight, MQLight, and MQTT.
- **Track 5: Integration** ***See page 32***
  Learn how IBM solutions enable secure API and service integration with mobile and web apps, within and outside the enterprise. Covering IBM Integration Bus (formerly Message Broker), DataPower, API Management, which runs on DataPower.
- **Track 6: System z** ***See page 42***
  This track focuses on the latest in IBM WebSphere System z technology. Discover the newest CICS enhancements, as well as the program development tools, WebSphere Apllication Server, MQ, z/OS Connect and other technologies running on the mainframe, in addition to sessions on leveraging your mainframe assets from the other platforms.
- **IBM WebSphere Portal and IBM Web Content Management**
  Your conference registration also provides access to any session of the IBM Digital Experience 2014; this is
  a parallel conference that covers topics such as IBM WebSphere Portal and IBM Web Content Management.

"IBM customers and IBM Business Partners feel that IBM technical conferences give them the best return on their training investment because they are an outstanding opportunity for comprehensive know-how transfer that pays for itself. Industry and IT experts pass on technical knowledge of high practical relevance and include project results." summarizes Markus Mueller, Director EMEA from LearnQuest, his experience with organizing IBM conferences for many years.

This event is being organized as part of IBMs Global Skills Initiative
by LearnQuest, an IBM Global Training Provider,
in collaboration and coordination with all IBM Global Training Providers.

List of Technical Sessions by Track

Keynote

Tuesday, October 28 10:30 – 12:00

Building Successful Enterprise Platforms for the Digitization of Business

As the pace of business and the speed of content and data continue to accelerate, with the dominance of mobile, everything around us is now connected to the Internet of Things, presenting new and strategic advantages for enterprise digital platforms. Join this keynote session to see how successful organizations are using technology as the transformational agent to their business models, with processes to enable greater speed and frequency in delivery of complex cloud, hybrid and traditional applications, and with mission-critical connectivity and intelligence to flow digital data to insights in real time, driving customer experiences that deepen interactions with individuals and enhance audience engagement - on their terms and their time. See the latest innovations in IBM WebSphere and Digital Experience solutions in action, showcasing approaches for organizations to move forward quickly in the digital age in a highly cost effective manner.

Rob Lamb, Vice President, IBM Software Group M&D Europe, and Hursley Lab Leader

Rob Lamb, Vice-President, European Manufacturing and Development and Hursley Laboratory Leader, IBM Software Group

Rob leads IBM's Hursley software development laboratory in the UK. He is also responsible for leading pan-European initiatives for the company across IBM's software development community. He is accountable for the strategy and development of IBM's connection and integration middleware portfolio (which incorporates the WebSphere MQ, IBM Integration Broker, WebSphere Service Registry and Repository product families), the Java runtime components for IBM operating systems, and emerging messaging technology for mobile and cloud environments. Throughout his career, Rob has held a number of executive positions with worldwide responsibility in sales, marketing, and product development in the WebSphere, Rational, and Tivoli (CS&I) software brands. His direct relationship over the years with literally hundreds of companies and business partners has given him a solid understanding of IT best practices, and how to help organizations shape technology to business advantage. Rob has authored two internationally published books and numerous papers on a range of information technology subjects. He is a graduate in Computing Science from the University of Portsmouth, UK, holds a Master of Business Administration degree from the University of Durham, UK, and has been elected a Chartered Information technology Processional (CITP) and Fellow of the British Computer Society (FBCS).

Gary Dolsen, Vice President, IBM Digital Experience Software

Gary Dolsen, Vice President, Digital Experience Software, IBM Software Group

Gary heads up IBM's Digital Experience business. He is responsible for delivering software solutions used to build portfolios of rich personalized sites and systems of engagement aimed at user constituencies like consumers, partners, citizens, and employees. In his career he has held management positions in IT, software development, marketing, sales, services, strategy, and product management. He holds a degree in Computer Science from Michigan State University. He and his family reside in the Rocky Mountain foothills outside Boulder, Colorado.

Huguette Ranc, *Vice President, IBM Collaboration Solutions and Smarter Workforce Sales, Europe*

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Vice President, IBM Collaboration Solutions and Smarter Workforce Sales

Robert McDonald, Vice President, IBM Software Group, Cloud & Smarter Infrastructure

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Vice President, IBM Software Group, Cloud & Smarter Infrastructure

Markus Mueller, LearnQuest for Europe Middle East and Africa
via IBM Skills for Growth Program

Markus has more than 20 years of experience in leading technical teams in the areas of software development, consulting and education. Prior to joining LearnQuest in 2014, Markus served 12 years at IBM in various leadership roles, that include heading both the software education business across Asia Pacific and in Germany and the consulting business for one of the software brands across Europe, Middle East and Africa.

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Markus Mueller, Director, LearnQuest for Europe Middle East and Africa via IBM Skills for Growth Program

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Track 1: Mobile Enterprise

M1 - Best Practices in Mobile Application Development and Deployment

Speaker: Roland Barcia, Distinguished Engineer, AIM Client Success CTO for Mobile, IBM

In this session, presenters discuss mobile application development and deployment best practices learned from IBM Worklight field engagements. Topics covered are application architecture, framework selections, Continous Integration, and deployment.

M2 - IBM MobileFirst Reference Architecture

Speaker: Roland Barcia, Distinguished Engineer, AIM Client Success CTO for Mobile, IBM

The IBM MobileFirst Reference Architecture provides guidance on how to design, implement, and manage enterprise-class mobile solutions. This session discusses enterprise topics, including architecture decisions, use cases, application development, operational models, integration, security, and management. The reference architecture was created by IBM's leading mobile experts worldwide and is available to jump start many of the decisions organizations need to make on mobile adoption.

M4 - Fast development of B2B mobile apps running on System Z

Speaker: Dominik Weitz , ABK-Systeme and *Sebastian Sutter, CTP, IBM*

The session will cover an overview and demo of a mobile project at ABK Systeme. During this session we will outline our experiences with the infrastructure running on System z. We will discuss the lessons learned of a project that involved the creation of several financial mobile apps within a few weeks using IBM Worklight. You will learn how ABK Systeme shortened time to market and reduced maintenance costs.

M5 - Accelerating Mobile Application Development with Mobile Cloud Services

Speaker: Todd Kaplinger, STSM, Mobile Cloud Platform Architect, IBM

The rise of cloud and mobile platforms has enabled [us/LOB Customers] to operate with new economies at an increasingly rapid pace. However, customers need to be able to quickly experience the value of those platforms in order to drive rapid adoption. IBM's next-gen Mobile Cloud Services, built on Bluemix, provides a mobile bundle that contains key cloud services such as app management, push notifications, mobile data and cloud code. While these services are key for a majority of use cases, we envision our customers requiring many more services to support a plethora of use cases. In this session, we will demonstrate a few common industry approaches to enable rapid adoption by using starter app projects that can be downloaded and customized for more specific needs.

M6 - Deliver Secure Enterprise Mobile Apps Faster with IBM Worklight
Case Study

Speaker: Raghu Kalyanaraman, IT Specialist, IBM Competitive Project Office, IBM

IBM Worklight provides a complete, open, and advanced mobile application platform. IBM Worklight provides all the essential components: a comprehensive development environment, optimized runtime middleware, a private enterprise application store, and an integrated management and analytics console - all built on a variety of security mechanisms. Often enterprises are enticed with free open source software and try to build solutions around it. However, there is no single open source software that provides all the mobile capabilities required by an enterprise and with open source; only the basic software is free. So costly labor is spent integrating multiple open source software, and support and services will mean additional significant costs. This session outlines the various features and capabilities of IBM Worklight and how it leverages standards-based technologies to provide a rich and ideal mobile platform that delivers value above and beyond open source solutions.

M7 - IBM Worklight as a Service by Developer Garden

Speaker: Sebastian Sutter, CTP, IBM

The session will cover an introduction to the Developer Garden offering of Deutsche Telekom. During this session we will outline the experiences of AEins, the first customer of Developer Garden that is developing a mobile e-commerce solution. You will learn how Developer Garden can help medium businesses to offer a broader range of solutions without reducing quality or significantly adding human resources.

M8 - T-Systems Mobile Logistics Cost Management – ported to IBM Worklight

Speaker: Sebastian Sutter, CTP, IBM

This session will cover the migration story of a mobile logistics solution to the IBM Worklight platform. During this session we will discuss the advantages of using Deutsche Telekom developer garden as a platform to run the mobile backend integration. You will learn about the technical migration of an Apache cordova application and the development of a business model for small, medium and large businesses.

M9 - How to access an Oracle Siebel CRM system from a mobile app using IBM Worklight

Speaker: Thomas Hesse, IT Architect, IBM

Imagine your mobile customer agents could access your customer relationship management (CRM) system on a mobile device while traveling. This presentation will show you how to implement such a scenario using the IBM Worklight mobile enterprise application platform. The speaker will report on an IBM demo project showcased at the CeBIT fair on Information Technology 2013 in Hannover, Germany. The demo scenario consists of a hybrid Worklight app for Android and iOS accessing a back-end Oracle Siebel CRM system through a Worklight HTTP adapter and a custom-developed aggregation framework, a JEE-based RESTful web service. The speaker will focus on the way Worklight is applied on the server-side and on the client-side and on the integration of client-side Worklight technology with the JavaScript framework of jQuery Mobile and the JavaScript templating engine of Mustache.js, cf. https://www.ibm.com/developerworks/community/blogs/mobileblog/entry/how_to_access_an_oracle_siebel_crm_system_from_a_mobile_app_using_ibm_worklight?lang=en and https://www.ibm.com/developerworks/community/blogs/mobileblog/entry/ibm_worklight_and_javascript_templating_a_perfect_match?lang=en.

M10 - IBM's Mobile Payment and Wallet solution

Speaker: Thomas Hesse, IT Architect, IBM

This presentation gives an overview and it includes a demo of IBM's Mobile Payment and Wallet solution based on IBM Payment Systems. It offers merchants and other providers of products and services the functionality to let their users make online payments with their smartphones - in a convenient and secure way. The solution supports the main online payment methods in more than 80 countries (like credit and debit cards, direct debit, PayPal etc.), and it integrates seamlessly into the IT infrastructure of the merchant. Users can store and manage their payment methods in a white-labeled, secure, PCI-certified wallet which is accessible on any mobile device or in classical web applications for online payments. In the presentation, the speaker will showcase two live demos: An m-commerce mobile shopping experience and a mobile POS payment scenario, cf. https://www.ibm.com/developerworks/community/blogs/mobileblog/entry/mobile_shopping_and_payment_experience_with_ibm_payment_systems_on_ios?lang=en and http://asmarterplanet.com/mobile-enterprise/blog/2014/03/mobile-payment-point-sale-ibm-payment-systems-ios.html.

MD1 - How to build, deploy and back-end connect a mobile app on zLinux

Speaker: Frank van der Wal, Technical Lead Mobile, IBM

During this live demonstration you will learn how to set up an Mobile environment on Linux for System z. We will show how to install IBM Worklight 6.2 on a Liberty or WAS ND environment. After that we are going to develop a mobile app from scratch, deploy it on the IBM Worklight Server, and connect it to a CICS back end server. In the process we cover many aspects of IBM Worklight, like hybrid application development, version control, security and adapters that makes life easy if you want to connect enterprise back end systems

ML2 - Hands-on Lab: Build Mobile Applications with BlueMix & Mobile Backend as a Service

Speaker: Erin Bartholomew , Software Engineer - Mobile Cloud Platform, IBM

Mobile computing changes the landscape of application development, but also the way that backend services in the data center are built and managed. This lab explores novel ways to build a mobile application with IBM's latest IBM mobile-backend-as-a-service (MBaaS) technology and Codename: BlueMix. Developing mobile applications with BlueMix gives organizations a fast time to market and an easy way to create applications with minimal effort. This lab walks attendees step by step through the development of a mobile application using IBM MBaaS and BlueMix. Participants explore the details of BlueMix and mobile services like MobileData, Cloud Code (Node.js) and PushWorks (Push Notification).

ML3 - Build your first app using Worklight
Hands-on-lab

Speaker: Lars Besselmann-Hamandouche, WebSphere Technical Sales, IBM

You will learn how to develop a mobile app using IBM Worklight. Starting small you will enhance the application with several Worklight features such as geo-fencing. The session will cover not only the development but also testing and administration.

Track 2: Smarter Process

S1 - PureApplication System as a private cloud platform for BPM at a large insurance company Case Study

Speaker: Andre Tost, Senior Technical Staff Member, IBM

In this session, we will describe a project that established IBM PureApplication System as a highly automated and flexible platform for BPM at a large insurance company in North America. This includes the use of patterns to automate the deployment of appropriate platforms and middleware, as well as integration into the existing landscape of operational technologies, processes and products. We will also discuss the impact of this new technology on the people and processes that are in place to deliver BPM solutions. In the session, focus will be not only on the technical aspects of the implementation of the system, but also on the lessons learned, what obstacles were met during the project and how they were overcome.

S2 - Implementing a custom, simplified process portal for IBM BPM Standard

Speaker: Ralf Dr. Bracht, IT Architect, IBM

Backoffice and callcenter agents often need a specific portal application that provide customized and optimized accesss to their tasks and processes. The session will first cover the motivation and requirements for such a role-specifc process portal. Design and implementation of the application will be presented in detail. The simplified portal is browser-based and makes use of technologies such as Dojo and REST. We will demonstrate the portal application using typical use cases of the agents. Finally we will discuss common issues and best practices.

S3 - Unlocking business decisions using Operational Decision Manager on System z

Speaker: Chris Backhouse, Architect Operational Decision Manager for z/OS, IBM

What are Business rules? Business rules have existed as long as applications programs have been written. They are generally expressed via a series of coded statements which describe, constrain, or control some aspect of your business. In the past the 'business rules' were locked away deep within application code meaning a change in a business policy would require applications to be altered and recompiled. But what about 'externalising' those rules in one central place to be access by many applications and changing them to match business needs without the need for application re-compiling ? This session will introduce IBM's Operational Decision Management solution, followed by a live demonstration. The demo will illustrate how applications, previously with no business rule logic defined, will be enhanced as a result of IBM Operational Decision Manager (ODM). You will be taken through the creation of a series of Business Rules, through to application execution, illustrating the business benefits of Business Rules working. You will see how ODM's three components; an eclipse based 'Rule Designer', Rule Execution Server and Decision Center interact to bring real benefit to the business and IT cost savings.

S4 - How to Build Beautiful Mobile and Desktop UIs using IBM BPM and Brazos

Speakers: João Paulo Marques Lopes Benedito, BPM Senior Consultant & David Brakoniecki , BP3's European Development and Project Delivery Team

Easy to use, beautiful interfaces that work seamlessly across desktop and mobile devices are key to speeding BPM adoption from project to program in the enterprise In this session, BP3 will show how you can build beautiful coaches for IBM BPM using Brazos - building your UI in one designer, and deploying to almost any desktop or mobile device. Best of all, your IBM BPM user interfaces will be touch- and mobile-optimized, as well as optimized for screen size and orientation. In this workshop and discussion, we'll demonstrate beautiful IBM BPM UI in action, and then we'll show you how to build beautiful user interfaces with IBM BPM, leveraging Brazos UI Toolkit for IBM BPM.

S5 - Basic Case Management in IBM BPM

Speaker: Dieter Koenig, IBM Senior Technical Staff Member, IBM

The IBM Smarter Process portfolio continues to expand and deepen the coverage for scenarios that integrate people, processes and information. IBM BPM offers a comprehensive set of capabilities for capturing structured and unstructured processes. This session will explore the recently added features in IBM Business Process Manager that allow for unstructured and ad-hoc work to be directly blended into an overall business process.

S6 - Integrating IBM BPM with Enterprise Content Management

Speaker: Dieter Koenig, IBM Senior Technical Staff Member, IBM

Successful BPM initiatives involve leveraging, integrating and collaborating across people, processes and information. In this session, learn how IBM BPM can be used to create process applications that link together processes and their related folders and documents. This session will explore the IBM BPM capabilities that enable business process applications and the related end-user experiences where content plays a critical role, including an overview of integration with ECM systems based on the CMIS standard.

S9 - A perpetuum mobile? How BPM enables MDM and vice versa

Speaker: Joerg Rehr, Principal - Master Data Management, IBM

This session discusses the growing need to include BPM technologies and processes in MDM initiatives in order to secure their success. We will also learn how processes can benefit from the capabilities an MDM platform has to offer.

S10 - Process Modeling at Enterprise Scale Using IBM Blueworks Live & IBM Business Process Manage

Speaker: Kim Clark, BPM, SOA and integration specialist, IBM

This session looks at large scale usage of the IBM Blueworks Live cloud based collaborative process modelling tool. It will describe the good practices that have evolved based on experieinces with large scale usage. These include managing larger repositories of processes, governance, modeling guidelines, correlation with Lean Six Sigma techniques, and modeling for simulation, and execution. You will also learn how to maximize the benefits of IBM Blueworks Live using some of the most recent features in the product.

S11 - Placement of Business Process Management (BPM) components within a service oriented Architecture (SOA)

Speaker: Kim Clark, BPM, SOA and integration specialist, IBM

The service-oriented architecture (SOA) reference architecture is intentionally simplistic at a high level but it holds some surprises when you look closely at how components really interact. This is especially true in relation to the placement of business process management (BPM) componentry. We discuss the most common design questions including: Is BPM a consumer or provider of services? To what extent should a user interface, be decoupled from the BPM runtime? How do we retain agility in BPM while adhering to the architectural separation of SOA?
These subtleties are critical when designing solutions to reap benefits of both SOA and BPM simultaneously.

S12 - Workshop exploring the use of Business Rules with Mobile application

Speaker: Mike Johnson, ODM ILOG BRMS z/OS Development, IBM

The biggest workload in Banks has become Mobile traffic. This demo shows how to build a Mobile application but more importantly how you can change the business model without changing the application

S13 - IBM BPM Unit Test Toolkit

Speaker: Norman Jurisch, IT Specialist/ BPM Consultant, IBM

This session will be about a IBM BPM Unit Test Framework that is currently used in a customer project to ensure, all the developed system services are working correctly and will still work correctly after changes.
In the session We will present how a BPM developer defines unit tests as general system service, how the unit test is build with several test cases and expected test results and how the test is executed.
We will demonstrate how to use the framework, how it can simplify the development with IBM BPM and we will stress the advantages.

S14 - Smarter Process for SAP - Technical Capabilities and Value Proposition

Speaker: Paul Pacholski, BPM WW Technical Sales lead and BPM for SAP Lead Designer

Your SAP investment delivers strong business value and provides many benefits. However, many find their SAP projects exceed budget and take longer than expected to implement. Once implemented, most SAP customers struggle to achieve adequate operational visibility and control and remain bound to rigid processes. In this technical introduction session to BPM for SAP you will learn how combining your SAP investment with IBM Business Process Management's BPM for SAP capabilities can: help improve process visibility and productivity with guided SAP workflow; reduce SAP application customizations through enhanced process orchestration, integration and optimization; help react to business events in near-real time by discovering and monitoring actual SAP processes; and help reduce SAP process cycle times with process automation capabilities.

S15 - Dynamic BAM: Integrating IBM ODM with IBM Business Monitor for Dynamic Actionable Insight

Speaker: Paul Smith, PM Tech Sales Europe, IBM

During this session we will examine several scenarios integrating IBM Operational Decision Manager with IBM Business Monitor to show how this combination can quickly, easily and dynamically provide a flexible, actionable BAM solution that adapts to changing business situations. We will show how the Business Monitor can leverage ODM Rules to set metrics, create dynamic KPIs and select and create alerts and how this behaviour can change simply by changing the underlying Business Rules.

S16 - Optimizing business processes exploiting simulation and analysis in IBM Process Designer (BPM)

Speaker: Roland Peisl, BPM Development , IBM

The session shows in detail the benefits of business process simulation to gain insights into business transformation projects before the changes are actually adapted by the organization or implemented by IT. Doing this right is key to gain the maximum in business transformation initiatives, be it to investigate maximum processing volumes, or to understand cost and time impacts of future process changes. This session explains how simulations can be set up, how to compare business process models with all their varying simulation scenarios, and how to generate meaningful simulation reports to finally allow for selecting the best process alternative for the next steps in BPM. The session focus on IBM Process Designer's (part of IBM BPM v85) simulation and optimization capabilities.

S17 - Modeling business processes in the Cloud with IBM Blueworks Live (BPM) Smarter Process

Speaker: Roland Peisl, BPM Development , IBM

As observed in many BPM projects adopting BPM is a rather long journey that may take months or years to get BPM acceptance from all stakeholders within an organization. In addition constant discussions between business and IT slow down BPM execution while requiring huge budgets, and moreover business itself needs to get a clear picture about their business processes in place today, or about those to be run in the near future. IBM's Blueworks Live offering is the BPM cloud platform for business process modeling allowing everyone within an organiation to participate in business process documentation, and to link these processes to overall company goals and strategies. In addition, instantly business process analysis can be run in order to identify optimization potential and easily be shared within the organisation. Many customer references show today how quickly "process-thinking" is adopted within an organization when using IBM Blueworks Live.

S18 - Smarter Processes Through Best Practices with IBM Business Process Manager

Speaker: Ryan Claussen Software Engineer, IBM

Organizations know they need to have smarter processes in order to survive and compete. Process efficiency remains the top priority of IT executives around the world. To help attendees succeed in their own business process management journey with IBM Business Process Manager, IBM has collected a number of good practices that have proven to be a key ingredient of success stories with IBM Business Process Manager. This session reviews these practices, covering both IBM Business Process Manager Standard and Advanced editions. Have IBM Business Process Manager or considering it? See you in this session!

S19 - Fit for Purpose: Authoring Guidance for Optimized IBM BPM Implementations

Speaker: Ryan Claussen Software Engineer, IBM

This session will provide a framework for leveraging BPM capabilities in a way that best solves the functional and non-functional requirements for a given process and business solution. For example: when should BPMN be used versus BPEL? How should integration requirements be solved for a given project? When should full ODM rules be used versus built-in BPM rules. These topics will all be explored in this session through a basic approach and framework that has been constructed based on the presenters exposure a large number of applications. Examples will be provided. Various anti-patterns that commonly occur in BPM applications and alternatives for addressing them will also be elaborated upon in detail. Come hear how to be more agile and scalable BPM applications by applying a few simple heuristics.

S21 - Real-time Insight on devices worldwide

Speaker: Wim Peeters, Client Technical Professional, IBM

- real-time monitoring of the entire platform
- real-time device status and follow-up
- intelligent insights to improve maintenance and customer service

IBM Business Monitor for the Monitor Room Dashboards
IBM BPM for follow-up on alerts and maintenance
Decision Insights for real-time, event-driven decision making.

S22 - Leveraging Operational and Analytical Decision Management on System z - A live demonstration!

Speaker: Yann Kindelberger, Lead Architect in the European Design Center, IBM Client Center Montpellier, France

This session will demonstrate the value and the complementarity of operational and analytical decision management. First, the session will introduce the Operational Decision Manager (ODM) on z/OS solution and the real time predictive analytics capabilities provided by SPSS. Then, we will illustrate through a demonstration how to manage and govern rules-based decision logic separately from application code in order to provide better visibility, understanding, and maintainability compared to traditional application development. The session will also highlight the value to integrate ODM on z/OS and SPSS to provides the ability to add predictive analytics to On Line Transaction Processing applications.

S23 - How to re-invent the Process Portal and mix it with other applications

Speaker: Donato Marrazzo, WebSphere Technical Sales, IBM

There are many situations where the Process Portal cannot be proposed to end users, e.g. : some process participants should see only a subset of the BPM capabilities, other users need an unified UI that bring together existing web application and the BPM human services. In this session you will learn a technique to embed process portal capabilities in an existing web application, without sacrificing the power of coach view. Using a web 2.0 approach, you will learn how to start a new process instance, show the task list, work on a task (embedding the coach navigation).

SD1 - Client Interaction Story Telling. Demo

Speaker: Oscar Olague, Program Manager Executive IT Architect, IBM

This session will teach you how to design and implement a process that responds to the needs of a customer for process predictability, visibility and agility. It includes field prefilling and control, coach customization, collaboration and Monitoring Reporting. The contents of this session served as a POC in a customer opportunity that we won against stiff competition.

SD2 - IBM BPM Solution wrapping SAP

Speaker: Oscar Olague, Program Manager Executive IT Architect, IBM

During this session you will learn how to use BPM to implement a manufacturing scenario that supports the management of a production line incident and interacts with an SAP to order and receive the spare parts needed to solve the issues. You will learn how to interact with the process via mobile devices and how to work with SAP via the process application.

SL1 - BPM SAP Guided Workflow - Technical Introduction to IBM Smarter Process SAP Process Automation Capabilities

Speaker: Paul Pacholski, BPM WW Technical Sales lead and BPM for SAP Lead Designer

IBM BPM enhances the user experience and productivity for the native SAP interface by providing powerful process context and collaboration capabilities, while delivering automatically generated process orchestration. IBM BPM Guided Workflow and Service Integration features enable quick time to value SAP process orchestration. In this session, you'll learn more about these capabilities and how they create compelling business value for virtually every SAP implementation. MORE DETAILS: IBM BPM provides bidirectional exchange Business Process Hierarchy (BPH) information in SAP Solution Manager with IBM BPM Process Center. From a SAP BPH imported it is possible to automatically generate a process orchestration that uses the native SAP HTML Graphical User Interface (SAP Web GUI). This innovative new IBM BPM capability opens up the world of process orchestration with only minimal IT intervention. These IBM BPM capabilities, with minimal business investment, can improve the visibility, flexibility, agility and control of your SAP processes.

SL2 - Real-time Visibility and Insight for Your BPM Processes with IBM Business Monitor v8.5.5 and IBM BPM v8.5.5

Hands-on Lab

Speaker: Lee Gavin, Pan-European WebSphere Technical Team, IBM

IBM Business Monitor provides business activity monitoring to help improve business agility. It helps to identify evolving business opportunities, trends and issues through analysis of real-time and historical data. It provides visibility across disparate business systems that span multiple applications and products. Gain hands-on experience with using the latest from IBM Business Monitor and IBM BPM. Run BPM processes and see the results. Explore Cognos RAVE support to produce new visualizations. Integrate monitoring results into your BPM coaches.

SL3 - How to re-develop the Process Portal and mix it with other applications

Speaker: Donato Marrazzo, WebSphere Technical Sales, IBM

There are many situations where the Process Portal cannot be proposed to end users, e.g. : some process participants should see only a subset of the BPM capabilities, other users need an unified UI that bring together existing web application and the BPM human services. In this session you will develop a web app that embed process portal capabilities, without sacrificing the power of coach view. Using a web 2.0 approach, you will experience how to start a new process instance, show the task list, work on a task (embedding the coach navigation)

Track 3: Cloud

C1 - IBM PureApplication System: Introduction and v2 update

Speaker: Andre Tost, Senior Technical Staff Member, IBM

This session will provide an introduction to IBM PureApplication System, IBM's expert integrated system for private on-premise clouds. We will cover all aspects of the system, beginning with the compute, storage and networking configuration, the built-in management features as well as the strategic workload deployment model: patterns.
We will also describe details of the recently released next generation of PureApplication System: for example, the next generation pattern framework, which offers advanced options for flexibility, availability and scalability; new functions for multi-rack deployment of patterns; advanced support for high avaliable storage and file system management; etc. Moreover, we will discuss the new support for PureApplication Services on Softlayer, bringing patterns and other capabilities to the IBM cloud.
Finally, the attendants will learn how this system is positioned against other IBM offerings in the cloud computing space and how it will evolve in the future.
All of the topics will be backed up by concrete customer examples, showing how the system is used today to solve real business problems.

C2 - DevOps for private cloud environments using IBM Urbancode and PureApplication System

Speaker: Andre Tost, Senior Technical Staff Member, IBM

The term "DevOps" describes mechanisms and processes to streamline the delivery of software from development into an operational environment, with the goal of improving communication between relevant stakeholders and the overall agility of IT solution creation. A private cloud system, like PureApplication System, offers a degree of automation and flexibility that directly supports the same goals. In the session, we will show how you can establish a DevOps method for your private cloud environment, utilizing products like IBM Urbancode Deploy and IBM PureApplication System. We will show how you can integrate these products with common tools and technologies in the space, as well as cover typical customer scenarios and examples.

C3 - A (non) typical client project on IBM PureApplication System including a highly available environment with Connections V5 on Websphere and DB2 using PureApp patterns for WAS, DB2 and C5.

Speaker: Georg Ember, IT Architect, IBM

In this session we will present the benefits and technical value of IBM PureApplication system running a highly available Connections workload using Websphere and Db2 in a client project. We will highlight the technical features of PureApp (patterns) for Connections version 5, the highly available Websphere and Db2 topology. You will learn how a highly available Connections environment on WAS and DB2 has been designed and implemented in a customer project using patterns.

C4 - Using GPFS on IBM Pure Application System to provide a highly available file system for web based workloads :
1) GPFS as a data store for Websphere and Messaging
2) GPFS on PureApp as a highly available file system on Linux and Windows for web based applications

Speaker: Georg Ember, IT Architect, IBM

In This session we will present the benefits and technical value of running GPFS on IBM PureApplication system running a a highly available file system for redundant Websphere and Db2 environments in a client project. We will highlight the technical features of GPFS (PureApp) patterns for use with WAS and DB2, as messaging data store on a highly available Websphere and Db2 topology on IBM PureApplication System. You will learn how a highly available GPFS environment running web applications on LInux and Windows has been designed and implemented in a customer project using patterns.

C6 - High Availability & Disaster Recovery Features in PureApplication System

Speaker: Markus Keppeler, Senior IT Specialist PureApplication System, IBM

Learn how easy it is to achieve high availability and disaster recovery in IBM PureApplication System - five-click out-of-the-box DR solution or HA solutions across racks. We will discuss new features and different scenarios possible with PureApplication System.

C7 - Messaging in the Cloud with IBM MQ Light and IBM Bluemix

Speaker: Robert Nicholson, Senior Technical Staff Member, IBM

Cloud provides new ways of consuming IT services which allows developers to build, test, deploy and scale applications more easily. But how can messaging be used in this environment? This session introduces the new MQ Light Service available in IBM BlueMix and shows how it enables developers to create responsive applications which can be easily composed, scaled and maintained. The session starts by describing the role of messaging in the cloud before demonstrating how a new application can be created with MQ Light and deployed to BlueMix.

CL1 - How to deploy standard patterns on IBM PureApplication System (on-prem) and PureApp Service on SoftLayer (off-prem), including Integration between on prem PureApp and off-prem SoftLayer

Hands-on Lab

Speaker: Georg Ember, IT Architect, IBM

In this lab session we let you explore how to get familiar with the new pattern engine in PureApp software Version 2.
We will re-use the lab session example "create and deploy pattern with pattern.next" and will extend this session
with hands-on on the PureApplication service on SoftLayer. The attendeee will be able to create a pattern, deploy it on a PureApplication system, export the pattern, upload and import the same pattern to the PureApp service on Softlayer, deploy it there, then modify and export the pattern from the public cloud, and re-import the modified pattern to the PureApplication system again.

CL2 - Create and Deploy Pattern with Pattern.Next

Hands-on Lab

Speaker: Markus Keppeler, Senior IT Specialist PureApplication System, IBM

Learn how to build and use components in Pattern.Next. During the lab you will build components necessary to create and deploy virtual system and virtual application pattern.

Track 4: Application Infrastructure

A1 - Preparing to Fail - Practical IBM WebSphere Application Server High Availability

Speaker: Tom Alcott, IBM

Whether organizations need to achieve a high-availability or continuous-availability service level, there are a number of practical aspects to consider in deploying and configuring IBM WebSphere Application Server. These include component placement, component redundancy and isolation, and data storage and application design. Just as important, but often overlooked, are request queue depth, infrastructure timeout, and retry values. This session outlines all of these factors, with a focus on application request flow and how to optimally tune an infrastructure for failover, recovery, and performance. While the focus of the presentation is on IBM WebSphere Application Server ND, the content also applies to any IBM Software product that is based on IBM WebSphere Application Server ND.

A2 - Planning for Catastrophe with IBM WebSphere Application Server & IBM Business Process Manager

Speaker: Tom Alcott, IBM

This session outlines the architectural and operational issues that need to be considered when planning and implementing a disaster recovery plan with IBM WebSphere Application Server and IBM Business Process Manager. These include the use of multiple data centers, geographic separation constraints, supporting software, and other related deployment issues. Presenters also discuss the specific operational steps associated with some common disaster recovery scenarios. Though focused primarily on IBM WebSphere Application Server and IBM Business Process Manager, the material is also applicable to other IBM software products that leverage IBM WebSphere Application Server.
While not a prerequisite, attendees should be familiar with the material covered in "Preparing to Fail, Practical WebSphere Application Server High Availability".

A3 - WebSphere MQ for zOS: Shared Queues

Speaker: Alexander Ross, IBM

WebSphere MQ for z/OS makes use of the Coupling Facility to implement shared queues. This session will take a deep dive into the new features of Queue Sharing, including shared message data sets (SMDS) and the new resilience features added in V7.1. Come along and learn about the performance gains and Coupling Facility storage usage improvements provided by SMDS and the new offload rules. This session is for people who are familiar with the concepts and use of queue sharing groups.

A4 - WebSphere MQ for z/OS: Performance and Accounting

Speaker: Alexander Ross, IBM

WebSphere MQ for z/OS captures accounting and statistics data that can be used to used to achieve optimum performance. Come along to this session to learn about the performance and accounting measurements that can be captured for the queue manager and the channel initiator. Learn how to interpret the data and make the best use of your queue manager and channel initiator subsystems.

A5 - Introduction to the IBM Monitoring & Diagnostic Tools

Speaker: Chris Bailey, IBM

IBM provides a number of free tools to assist in monitoring and diagnosing issues when running any Java application - from Hello World to IBM or third-party, middleware-based applications. This session introduces attendees to those tools, highlights how they have been extended with IBM middleware product knowledge, how they have been integrated into IBM's development tools, and how to use them to investigate and resolve real-world problem scenarios

A6 -Top IBM WebSphere Application Server Problem Determination Features

Speaker: Chris Bailey, IBM

Problem determination is an important focus area in the IBM WebSphere Application Server. Serviceability improvements have been added that have greatly improved the ability to find root causes of problems in both the full IBM WebSphere Application Server profile, and the newer Liberty profile. This education session focuses on how to effectively use serviceability improvements added to the application server since IBM WebSphere Application Server V8.0. This includes high-performance extensible logging, cross-component trace, IBM support assistant data collector, timed operations/hang detection, memory leak detection/prevention, and IBM support assistant tools for problem determination.

A7 - Dynamic, Event-driven Mobile Applications with MQTT

Speaker: Bryan Boyd, IBM

This session explores the art of the possible for mobile applications leveraging the event driven paradigm with the MQ Telemetry Transport (MQTT) publish/subscribe protocol. We will demonstrate the ease of connecting applications with MQTT for rapid and reliable messaging, and dive into techniques for leveraging MQTT's topic-based messaging for dynamic collaborative applications. Several dynamic mobile and web applications will be demonstrated, accompanied by a detailed walkthrough of the MQTT topic design that drives the real-time collaboration. Through this session you will learn both how to design collaborative applications with the MQTT protocol and add real-time, event-driven features to an existing application.

A8 - Introduction to IBM MessageSight - Gateway to the Internet of Things and Mobile Messaging

Speaker: Bryan Boyd, IBM

An introduction to IBM MessageSight, IBM's gateway to the Internet of Things and mobile messaging. As the Internet of Things and machine-to-machine become more pervasive, attendees should ask if they are ready to engage and get the benefits? Do they want to get the benefits of rapid, reliable messaging in the mobile world? This session covers an introduction to IBM MessageSight, latest updates and an introduction to MQ Telemetry Transport.

A9 - WebSphere MQ for zOS: The Inside Story

Speaker: Damon Cross, IBM

What goes on in that 'black box' known as the queue manager? This session will give you insight into each of the major components of a WebSphere MQ for z/OS queue manager and the resources it uses. Get information on what the buffer manager is really doing with the messages, what the message manager is really counting, how the log manager works, and more.

A10 - Tackling the Service Provider Nightmare

Speaker: Daniel Froehlich, IBM

Operating in a Service Provider Environment can be a nightmare. Hundreds of Java Enterprise Applications from a multitude of internal and extern developer organizations, distributed across a large number of WebSphere cluster and servers. Every application is different, has different operating requirements like shared file system, configuration files etc.. Being compliant with java enterprise standard is simply not enough. In a service provider environment, a whole lot of additional requirements - function and non-functional - need to be fulfilled by development and operating organization.
In this session, we will give a comprehensive, practical hands on list of these requirements. They are based on lessons learned from ZIVIT, which is a service provider for german government.

A11- Deploying applications to the WebSphere Liberty Profile in IBM Bluemix PaaS

Speaker: David Currie, IBM

This talk will go into the details and mechanics of how the Liberty buildpack deploys an application into Bluemix. It will also explore how the runtime drives the Liberty buildpack code and what the Liberty Buildpack code does to run an application in the cloud environment. This talk will touch on the restrictions that Bluemix and the Liberty runtime imposes on applications running in the cloud. Developers attending this talk will get deep insight into the why, what, how and when of the Liberty buildpack ruby code enabling them to write applications faster and optimized for the Liberty runtime in Bluemix.

A12 - Consuming High-value Cloud Services in Java & Node.js Web Applications

Speaker: David Currie, IBM

The new IBM Bluemix cloud provides two first-class runtimes, IBM WebSphere Liberty and Node.js, to host Java and node.js web applications. The cloud offers many middleware services ready to be provisioned and used by applications in seconds. The platform has capabilities to make the integration between an application and these services simple, so that developers can focus on application code. A mechanism called "auto-wiring" automates many tasks required for consuming a service and also enables a seamless transition of an application from a local development environment to the cloud. In this session, learn how to consume resource-type services like database, cache, and mongo in a familiar way and with no code changes. And see how to consume operational services, including session replication, logging, and auto-scaling, painlessly.

A13 - How to Move to the Cloud at the Right Pace

Speaker: David Currie, IBM

Interested in moving to the cloud, but struggling with how to get started? Many enterprises are taking a hybrid approach, migrating pieces of applications and infrastructure to public cloud, while connecting to both private clouds and on-premises environments. This session discusses practical ways to migrate IBM WebSphere applications to the cloud at a pace that is right. Learn what it takes to move enterprise applications to Bluemix cloud platform. This talk provides knowledge and insight into how organizations can use IBM's migration tooling to incrementally move applications to the cloud. Presenters start with a traditional system of record application and show how to leverage the breadth of services from Bluemix to transform applications into a modern system of engagement. Learn how easy it is to connect to an existing infrastructure and bind services, including elastic scaling, messaging, caching, and log analysis.

A14 - Wow, My IDE Can Do That: Overview of IBM WebSphere Application Server Developer Tools for Eclipse

Speaker: Tim Deboer, IBM

The IBM WebSphere Application Server Developer Tools for Eclipse is packed with features that assist IBM WebSphere developers building applications for IBM WebSphere Application Server for Full and Liberty profile. Come and hear about the broad capabilities for web and mobile development; Java EE and OSGI application development and configuration targeting IBM WebSphere Application Server; and the IBM WebSphere test environment for seamless publish, debug, and update. Presenters demonstrate real-world developer scenarios that are assisted by this product's many features that enhance open frameworks and programming models. Attendees discover best practices and the latest capabilities provided by the freely available offering in IBM WebSphere Application Server Developer Tools for Eclipse.

A15 - Using WebSockets in a Java EE Environment to Improve Web Application Development

Speaker: Tim Deboer, IBM

This presentation discusses the WebSockets programming model for the Java EE environment. Using the WebSocket application programming interface (API), application development can be done more efficiently using a simpler programming architecture that delivers long-lived, two-way internet connections when compared to using the HTTP API. Presenters highlight the WebSocket API, including endpoint configuration, session opening and closing, message reading and writing, error handling, and annotations. Underneath the WebSocket API is the WebSocket network protocol. Presenters discuss the network to show the format of the data that is sent on the network during a WebSocket session. Network architecture for integrating WebSockets with proxies, load balancers, and routers is also presented

A16 - Using IBM MQ Publish Subscribe in an MQ network

Speaker: David Ware, IBM

The publish/subscribe model can be used across a network of MQ queue managers, whether in a manually configured topology or in an MQ cluster. This session looks in depth at designing such systems, covering a wide range of requirements from availability to scalability and how each can be solved. This session covers all versions of MQ since V7, including many details of the new MQ V8 features. A basic familiarity with MQ publish/subscribe is preferable, possibly by attending "Using Publish/Subscribe with IBM MQ" beforehand.

A17- Managing workloads, scaling and availability with IBM MQ clusters

Speaker: David Ware, IBM

IBM MQ Clustering can be used to solve many problems, from simplified administration and workload management in an MQ network, to horizontal scalability and continuous availability of messaging applications. This session will show the full range of uses of MQ Clusters to solve real problems, highlighting the underlying technology being used. A basic understanding of WebSphere MQ clustering would be beneficial.

A18 - Using Publish/Subscribe with IBM MQ

Speaker: David Ware, IBM

IBM MQ allows you to use the publish/subscribe model with ease but a basic understanding of the concepts is essential to fully benefit from it, whether you are new to publish/subscribe or not. This session takes you through the various publish/subscribe concepts and how they relate to MQ. Covering aspects of system design, configuration and application programming concepts.

A19 - Java Batch-Using WebSphere Compute Grid to Process Async Long Running Work

Speaker: David Follis, IBM

WebSphere Application Server 8.5.5 includes the formerly separate product called Compute Grid (formerly part of WebSphere XD for those keeping track). If you have V8.5.5 you've got Compute Grid. So what? In this session we'll take a look at the pieces of Compute Grid and how you can get it set up and start using it. And, more importantly, we'll talk about WHY you might want to do that. What kinds of work would you want to run in Compute Grid? How can you manage and control it? We'll also touch on some z/OS exclusives for Compute Grid that help it integrate with the z/OS environment.

A20 - JSR 352 - The Future of Java Batch and WebSphere Compute Grid

Speaker: David Follis, IBM

Java Specification Request 352: Batch Applications for the Java Platform describes a programming model for batch applications and a runtime for scheduling and executing jobs. In this session we'll talk about the value of Java Batch, and a little about the programming model specified by the JSR. We'll also talk about what this means to the future of WebSphere Compute Grid, IBM's existing product providing a Java Batch environment and discuss any current news about Computer Grid.

A21 - What's New in IBM Messaging?

Speaker: Morag Hughson, IBM

This session is aimed to bring you up to date with the latest additions and enhancements to the IBM Messaging family of products. This session describes the latest product announcements including V8, and is intended to introduce many of the other sessions this week.

A22 - New IBM MQ V8 Security Features,

Speaker: Morag Hughson, IBM

IBM MQ V8 introduced a number of new security features. This session will take you through the two major features, Multiple Certificates and Connection Authentication. In IBM MQ V8 you are no longer restricted to only using one certificate for you queue manager with an IBM enforced label. Now you can have your own certificate labels and can allocated a different certificate for any specific channel. How about authentication? Finding that digital certificates are more security than your need? Want some authentication without having to write a security exit. IBM MQ V8 gives you built-in user ID and password validation. Other security features related to the MQ CHLAUTH rules are covered in a separate session

A23 - IBM WebSphere Application Server - Foundation for the Future

Speaker: Ian Robinson, IBM

An organization's need to serve up web-based applications has changed drastically over the past 16 years. They are continuing to change, and no other application server in the market today provides the range of capabilities found in IBM WebSphere Application Server. In this session, get the latest feature and function overview. More importantly, attendees can find out how IBM WebSphere Application Server is the platform for their needs going forward, including developer ease of use, cloud and mobile optimizations, resiliency, and partner ecosystem. Come and learn about IBM's right-fit application server approach and how to best leverage IBM WebSphere Application Server.

A24 - Rapidly Moving Applications to the IBM WebSphere Liberty Profile

Speaker: Ian Robinson, IBM

IBM WebSphere Application Server V8.5 introduced a dynamic, lightweight Liberty profile that provides a lean environment for development and a dynamic, minimal server footprint for production scenarios that do not require all of Java EE. This session describes the benefits of using the Liberty profile and different approaches for moving applications into this lighter-weight environment.

A25 - DevOps Tools & the Liberty Profile

Speaker: Jeremy Hughes, IBM

DevOps tools make it easy and repeatable to manage the operating system, middleware, and application software configuration across large server farms. They are cross-platform and cross-product, so it's possible to use the same tool to manage an entire software stack. See how the IBM WebSphere Liberty profile integrates with popular tools used to achieve a DevOps environment, including Chef, Jenkins, PuppetLabs' Puppet, Apache Maven, and IBM UrbanCode Deploy.

A26 - DevOps with Liberty & Chef

Speaker: Jeremy Hughes, IBM

The IBM WebSphere Application Server Liberty profile is a simplified, lightweight runtime for development and production use. It is simple to configure through a single XML file. It is dynamic and flexible - recomposing itself in response to configuration changes. It is extensible through the use of system programming interfaces. Its self-extracting Jar file makes it quick and easy to install. Configured with a basic web application, it starts in under five seconds. This makes it highly compatible with DevOps tools and cloud. Chef is one such tool. Chef embodies "infrastructure as code." Teams write code to describe how the machines in the infrastructure should be configured. As organizations scale out their development and production infrastructure, Chef will configure it all. Presenters introduce Chef and the part the IBM WebSphere Application Server Liberty profile Chef cookbooks play in standing-up a load balanced web application.

A27 - Expanding z/OS business assets to the cloud and mobile worlds: z/OS Connect

Speaker: James Mulvey, IBM

z/OS Connect is a new offering that provides a consistent, secure, high-performing way to integrate z/OS business and infrastructure assets with the cloud and mobile worlds. Virtually all z/OS backend assets can be discovered and reached using simple RESTful calls from cloud and mobile platforms with z/OS Connect.

A28 - IBM WebSphere Optimized Local Adapters: Real World Scenarios

Speaker: James Mulvey, IBM

IBM WebSphere Application Server for z/OS customers continue to adopt the IBM WebSphere optimized local adapters (WOLA) support to solve real-world problems. This session provides an overview of the latest capabilities of WOLA and walks through several customer implementations.

A29 - Introduction to IBM Internet of Things Foundation

Speaker: Bernard Kufluk, IBM

Come to this session to get a high-level introduction to IBM Internet of Things Foundation. The session will encompass an overview of the architecture and features and provide an end-to-end demonstration.

A30 - Drive a Core Banking Environment into the future

Speaker: Marcel Däppen, UBS

This session will provide insights into the multi-tenant UBS Core Banking environment as a vision, a current state perspective and a view on challenges to build a robust and individual assembling of the business capabilities in each tenant. We will present how UBS has built a service orientated Core Banking System based on well-defined, but heterogenic technology stacks and highly standardized system setup including IBM WebSphere Application Server and MQ, API Management and channel agnostic CICS transactions which help to be prepared for future challenges. You will learn how to evolve and manage a running enterprise environment allowing agile enhancements of the business capabilities plus the adoption of new technologies.

A31 - IBM MQ CHLAUTH rules – with MQ V8 updates

Speaker: Morag Hughson, IBM

WebSphere MQ V7.1 introduced a new feature for securing channels, known as Channel Authentication Records, or CHLAUTH for short. In IBM MQ V8 CHLAUTH had quite a few updates too. This new feature allows you to set rules to indicate which inbound connections are allowed to used your queue manager and which are banned. This session will take you through the concepts behind this new feature, how to create these rules and how to monitor and manage their use. New features in V8 will be highlighted as we go through, but this session is about all of CHLAUTH, not just about the V8 changes.

A32 - WebSphere Liberty Profile - Deployment Topologies

Speaker: Ian Robinson, IBM

IBM WebSphere Application Server V8.5 introduced a dynamic, lightweight Liberty profile that provides a lean environment for development and a dynamic, minimal server footprint for production scenarios that do not require all of Java EE. The Liberty profile provides great flexibility in deployment, and this session describes some of the options available - from the standalone servers of the IBM WebSphere Application Server Liberty core edition to the managed collectives and clusters of the IBM WebSphere Application Server ND Liberty profile, right up to the virtualized and cloud environments. This session demonstrates the tremendous range of application server environments made available by the Liberty profile, allowing applications to move unchanged from a single-user development machine to an extremely large-scale topology.

A33 - Technical Introduction to the IBM WebSphere Liberty Profile

Speaker: Ian Robinson, IBM

IBM WebSphere Application Server V8.5 introduced a dynamic, lightweight Liberty profile that provides a lean environment for development and a dynamic, minimal server footprint for production scenarios that do not require all of Java EE. This session describes the motivation behind the design, as well as an overview of the architecture of the Liberty profile, including the configuration and features available in each edition.

A34 - Connecting Devices to the Internet of Things

Speaker: Bernard Kufluk, IBM

IBM MessageSight and the IBM Internet of Things cloud enable connectivity across a wide variety of devices - from existing devices in silos and systems through the wide range of new devices that are appearing on a daily basis. This session covers patterns of connectivity, how to make it happen, including sending events like measurements and receiving of commands. The session goes into detail on how to use the industry standard MQ Telemetry Transport protocol to achieve this and encompasses best practices for topics and message format.

A35 - How to Develop Responsive Applications with IBM MQ Light

Speaker: Robert Nicholson, IBM

It is widely accepted that empowering and unleashing developers is critical to business success in the era of Cloud, Analytics and Mobile. This session introduces and then demonstrates MQ Light - a new messaging product from IBM that is focused on unleashing and delighting developers. We will explain how we have addressed developer pain points by making the technology easy to get and install, easy to learn and use, with open clients and protocols which can be used from a range of languages including Node.js, python, Ruby and PHP. We will show how the new UI helps developers to find problems in their application code quickly.

A38 - Top 10 Tuning recommendations for WebSphere Application Server

Speaker: Surya Duggirala, IBM

WebSphere Application Server is the best performing application server in the market place today. It is deployed in production by thousands of customers on a variety of different hardware platforms. Even though WebSphere Application Server is designed to perform well “out--of-the box", this diverse set of environments and use cases require
certain guidelines to achieve optimal performance. This session highlights the top "best practices" to obtain maximum performance based on IBM's experience working with customers. The recommendations cover the entire system starting from operating systems, networking, databases, Java and the WebSphere Application server itself. This session also covers best practices suitable for virtualized and cloud environments.

A39 - Diagnostic and Performance Tools for WebSphere Application Server

Speaker: Surya Duggirala, IBM

In this session we'll discover many available tools and techniques to diagnose performance problems on WebSphere Application Server including Liberty. We'll explore the PMI statistics which allow the user to monitor a WebSphere environment to ensure there are no bottlenecks in the system. Also we'll look at some JVM diagnostic information, such as GC usage, heap dumps, and thread dumps, and using tools packaged in ISA and elsewhere to view these diagnostics and review recommended changes. Finally we'll review some code profiling tools to help identify bottlenecks in the application source code.

A40 - Building the Internet of Things with IBM

Speaker: Bernard Kufluk, IBM

Much has been spoken and written about how the Internet of Things promises to change the world. Advances in technology are helping us infuse intelligence and processing power into everyday objects, advances in communications allow us to interconnect these objects, and advances in analytics and cognitive computing allow us to interpret information from these objects. But what technology is available to build this new class of solutions. This session will provide a high level introduction to the Internet of Things and discuss how these technologies are enabling new business opportunities today.

AL1 - Diagnostic and Performance Tools for IBM WebSphere Application Server

Hands on Lab

Speaker: Chris Bailey, IBM

In this session, attendees discover many available tools and techniques to diagnose performance problems on IBM WebSphere Application Server, including Liberty. Explore the performance monitoring infrastructure statistics that allow users to monitor an IBM WebSphere environment to ensure there are no bottlenecks in the system. Also look at some Java virtual machine diagnostic information, such as garbage collection usage, heapdumps, and threaddumps, and using tools packaged in ISA and elsewhere to view these diagnostics and review recommended changes. Finally presenters review some code profiling tools to help identify bottlenecks in the application source code.

AL2 - Application Development with Bluemix

Hands-on Lab: *Where possible, attendees should register in advance for a trial account at www.bluemix.net to avoid any delays during the lab*

Speaker: David Currie, IBM

This lab will provide a hands-on introduction to IBM Bluemix. We will guide you through the creation, deployment, and scaling of a simple JEE and JavaScript applications that use various services provided in the Bluemix environment.

AL3 - DevOps with Liberty & Chef

Hands-on Lab

Speakers: Jeremy Hughes & Tim deBoer, IBM

The IBM WebSphere Application Server Liberty profile is a simplified, lightweight runtime for development and production use. It is simple to configure through a single XML file. It is dynamic and flexible - recomposing itself in response to configuration changes. It is extensible through the use of system programming interfaces. Its self-extracting Jar file makes it quick and easy to install. Configured with a basic web application, it starts in under five seconds. This makes it highly compatible with DevOps tools and cloud. Chef is one such tool. Chef embodies "infrastructure as code." Teams write code to describe how the machines in the infrastructure should be configured. As organizations scale out their development and production infrastructure, Chef will configure it all. Presenters introduce Chef and the part the IBM WebSphere Application Server Liberty profile Chef cookbooks play in standing-up a load balanced web application.

AL4 - IBM Internet of Things Foundation

Hands on Lab

Speaker: Bryan Boyd, IBM

In this lab session, attendees have the opportunity to learn how to create an IBM Internet of Things Foundation account, start up a connected-car simulator application in IBM BlueMix, and write a simple application to operate on data in real-time.

AL5 - Learn to Accelerate Web Application Development with Liberty Profile

Hands on Lab

Speaker: Tim deBoer & Jeremy Hughes, IBM

The IBM WebSphere Application Server Liberty profile is a new lightweight dynamic application server runtime profile that supports the Java EE Web profile. This lab takes attendees through several exercises to help build an application using the Liberty profile with the IBM WebSphere development tools for the Liberty profile. In the lab, participants learn how to quickly get up and running with the Liberty profile and how to use the tools to write, debug, test, and update an application that uses the Java EE Web profile.

AL6 - Deploying applications to the WebSphere Liberty Profile in IBM Bluemix PaaS

Hands on Lab

Speakers: Robert Nicholson & Alex Ross, IBM

This talk will go into the details and mechanics of how the Liberty buildpack deploys an application into Bluemix. It will also explore how the runtime drives the Liberty buildpack code and what the Liberty Buildpack code does to run an application in the cloud environment. This talk will touch on the restrictions that Bluemix and the Liberty runtime imposes on applications running in the cloud. Developers attending this talk will get deep insight into the why, what, how and when of the Liberty buildpack ruby code enabling them to write applications faster and optimized for the Liberty runtime in Bluemix.

Track 5: Integration

I1 - Freedom to Innovate through APIs

Speaker: Claus T Jensen, IBM

Innovation is driving the need to be even more interconnected and to combine insight in new ways. In an era of Cloud, Analytics, Mobile and Social, intelligently applied APIs give enterprises the freedom to innovate so that new applications can evolve at different speeds than the services provided by existing systems of record. This new API economy entails a productivity boom much greater than the web boom of the previous decade. Join this session to learn how to use APIs to unleash innovation

I2 - Differentiating Between Web APIs, SOA, & Integration - And Why It Matters

Speaker: Kim Clark, IBM

There are many similarities between the design techniques for the new trend of web APIs, and those we have seen maturing for many years for service oriented architecture (SOA). Indeed SOA could be seen as "just" an evolution of traditional integration, but that type of thinking was the beginning of the end for many SOA initiatives. Drawing on multiple customer experiences, this session will looks at the things that make web APIs unique from what came before, and the differences in how they are designed and implemented. Also, since no sizable enterprise is starting from scratch, we look at how existing integration architectures should be evolved to accomodate these new requirements.

I3 - Extending an existing Datapower ROI with API Management

Speaker: Klaus Bonnert, IBM

Already use IBM WebSphere DataPower appliances? Want to increase return on investments? This session explains how organizations can to take full advantage of the benefits of application programming interfaces to establish new business channels, extend their corporate assets, and bring in more revenue - while at the same time maximizing the effectiveness of their IBM WebSphere DataPower investments. Attendees learn about the core components of IBM API Management and how these tools will extend their business and provide introspection on how their new strategy is progressing. Also, see the various models of how to extend investments and how to present these efficiencies to IT and business management.

I4 - IBM API Management Overview

Speaker: Klaus Bonnert, IBM

This session offers an overview of the IBM API Management solution and highlights the new and exciting capabilities that are now available. IBM API Management allows users to create, secure, manage, and socialize application programming interfaces (API), which are required for entry into the API economy, Internet of Things, and mobile strategies.

I5 - Bridging Business Process Management and Integration Use Cases

Speaker: Matthew Golby-Kirk, IBM

IBM Integration Bus makes it easy to integrate your connectivity logic with your business processes. This session tells you everything you need to know about how to use IIB in conjunction with IBM Business Process Manager (BPM) Standard and Advanced, and an insight into how this easy-to-use technology will evolve.

I6 - Business Monitoring and Analytics in IBM Integration Bus

Speaker: John Wesley, IBM

An intelligent enterprise is an essential trait of a successful business, from understanding key performance indicators using Business Activity Monitoring and real-time monitoring of business transactions, to real-time analytics and pattern detection that allows businesses to understand data and implement business changes more quickly. This engaging session looks how to achieve Business Activity Monitoring, Business Transaction Monitoring and Predictive Analytics in IBM Integration Bus.

I7 - Cloud Integration

Speaker: John Hosie, IBM

This session discusses the myriad options available for provisioning, hosting and configuring and using IBM integration products in cloud environments, ensuring that your deployed integration environment is robust and scalable yet responsive to changes in business requirements. It will discuss all aspects of cloud enablement, from provisioning technologies such as Chef and hosting on either private or public clouds, to platforms that handle integration workloads appropriately, software to facilitate the consumption and provisioning of cloud services, and IBM's new cloud platform, Bluemix.

I8 - Connectivity and Integration for .NET environments

Speaker: Matthew Golby-Kirk, IBM

It is simple to integrate IBM Integration Bus with .NET applications. Come along and find out how to run your .NET assemblies natively inside IIB to provide fast access to your data and broker facilities in any of the languages supported by the CLR (e.g. C#, VB.NET, F#). See how easy it can be to build transformation nodes in Microsoft Visual Studio and integrate Microsoft Dynamics or other .NET applications directly from within your integrations. If you're an existing user of this technology, come and find out the latest enhancements to this key feature of IBM Integration Bus.

I9 - Conversion from WebSphere ESB to IBM Integration Bus

Speaker: Alex Wood, IBM

IBM Integration Bus is designed to incorporate WebSphere Enterprise Service Bus use-cases and offers many advantages for users over the WESB product. Conversion from WESB to IIB is designed to be straightforward, and there is a significant amount of assistance and collateral available for enabling this to happen. This session will take you through all the available options for WESB conversion, including what's new for clients who are already embarking on their journey to IIB.

I10 - Effective Administration In IBM Integration Bus

Speaker: Matt Lucas, IBM

The latest release of IBM Integration Bus includes many features that make administering the product easier. Come along to this session to discover the right ways to effectively administer and operate the product, and learn tips and tricks that should be in every IBM Integration Bus administrator's toolbox.

I11 - Effective Application Development In IBM Integration Bus

Speaker: Matt Lucas, IBM

What are the best practices for IBM Integration Bus development? How do you design integrations that conform to external and internal standards? Learn how to use the product's built-in capabilities to apply common usage patterns and develop, refine and share your own patterns that solve your company's integration requirements. This session will also introduce the application development enhancements in the latest release of IBM Integration Bus that allow you to implement solutions more quickly than ever.

I12 - IBM Integration Bus: Trends and Directions

Speaker: Jens Diedrichsen, IBM

IBM integration Bus is a key product for IBM, and the new IBM Integration Bus V10 Open Beta gives users an insight into new features in the pipeline. This session will cover details of the IBM Integration Bus Open Beta programme, what is already available for users to try out, and will include a live demo of some up and coming features

I13 - IBM Integration Bus Designing for Performance

Speaker: Matt Lucas, IBM

This session demonstrates how to design an efficient and effective IBM Integration Bus implementation from a performance perspective. It describes the many factors that determine the level of performance achievable within an IIB environment. It also discusses some of the major improvements related to performance in recent releases.

I14 - IBM Integration Bus Meet the Experts

Speaker: Jens Diedrichsen, IBM

Come along to this session to talk with IBM Integration Bus product experts, including representatives from product development and practitioners. All topics are open for discussion from IBM Integration Bus development to management and operations.

I15 - IBM Integration Bus Services, APIs, Applications and Libraries

Speaker: John Hosie, IBM

IBM Integration Bus includes a number of features for grouping and sharing your integration resources that make it easier to develop and maintain integration solutions: applications provide a means of grouping resources for a specific integration problem; libraries group reusable integration components for easier sharing; integration services allow you to define the inputs, outputs and operations for an effective service oriented architecture; APIs provide convenient access to integration services from external systems. These concepts are integral to IBM Integration Bus and this session will describe them, give guidance on best practices for their use, and also describe the recent enhancements that makes working with them even easier.

I16 - Integration your way - the right choice of programming language

Speaker: John Hosie, IBM

When developing integration solutions, it is occasionally necessary to develop custom connectivity, transformation, interfaces or other logic. IBM recognizes that the correct programming strategy is one that fits the skill set of the individual or enterprise and should be a natural choice for the particular use case. This session looks at the support available in IBM Integration Bus for various different programming languages. We will discuss their strengths, limitations and other factors that might affect choice and influence adoption.

I17 - Introduction to IBM Integration Bus

Speaker: Jens Diedrichsen, IBM

As IBM's strategic integration technology, IBM Integration Bus aims to provide a universal connectivity solution with its ability to route and transform messages FROM anywhere TO anywhere, and is often referred to as an "Advanced Enterprise Service Bus". Through a simple programming model and a powerful operational management interface, IBM Integration Bus allows you to develop complex application integration solutions quickly and to easily maintain them. This session gives a high-level, technical overview of the product and an exploration of the key use-cases at which it excels.

I18 - Modelling and Parsing Business Data using DFDL

Speaker: Alex Wood, IBM

Data Format Description Language (DFDL) is an open modeling language for describing general text and binary data. It solves a long-standing problem - how to describe data formats of all kinds in a standardized way. This session introduces the language and demonstrates how it is used within IBM products such as IBM Integration Bus for parsing and writing various common data formats.

I19 - Pre-built IBM Integration Bus Content for Your Industry

Speaker: John Wesley, IBM

IBM Integration Bus has pre-built content available for many different industries that make it easier to implement integration solutions. This session will introduce the latest generation of standards based technology makes it quicker and easier to model, understand, analyse and transform the data that flows through your enterprise. It will also describe the popular IBM Integration Bus industry packs for users in the healthcare, retail and manufacturing industries.

I20 - What's New in IBM Integration Bus?

Speaker: Jens Diedrichsen, IBM

IBM Integration Bus is IBM's strategic integration technology. A single engineered product for .NET, Java and fully heterogeneous integration scenarios, it is a significant evolution of the WebSphere Message Broker technology base, incorporating WebSphere Enterprise Service Bus use cases. Come along to this session to find out the new features of the very latest release of this key IBM product.

I21 - Workload Management and Policy Based Configuration of IBM Integration Bus

Speaker: Matthew Golby-Kirk, IBM

As IBM Integration Bus is used to map between enterprise systems, how can administrators ensure that back-end systems are not swamped with requests at peak periods? How can the integration layer help avoid spikes in demand - either through administrative alerting, workload shaping or rejecting new work requests? This session discusses how to implement such a configuration in IBM Integration Bus, including how to define, store and dynamically update these rules using operational policies.

I22 - Introducing the IBM Standards Processing Engine

Speaker: Michael Hudson, IBM

This session will introduce the new IBM Standards Processing Engine portfolio which provides automated sequencing of document processing functions, thorough transformation and metadata support, and data for reporting and analytics. IBM Standards Processing Engine offers a modular architecture designed for ease of deployment, high availability and scalable performance. Based on technology from WebSphere Transformation Extender, Sterling B2B Integrator and XML, the IBM Standards Processing Engine complements IBM Integration Bus with new Nodes and Patterns.

I23 - What's New In IBM WebSphere DataPower Appliances

Speaker: Michael Hamann, IBM

After a very brief introduction into the IBM WebSphere DataPower Appliance line of products, this session covers recent updates. Enhancements in the area of security and networking are covered as well as the new JavaScript based programming model.

I24 - IBM WebSphere DataPower GatewayScript - the Future of Web & Mobile Gateway Scripting

Speaker: Michael Hamann, IBM

In this lab, attendees experience IBM WebSphere DataPower GatewayScript, a programming model designed and built from the ground up to provide a secure and efficient web and mobile scripting environment. At the completion of this lab, participants have a solid understanding of how GatewayScript complements the existing IBM WebSphere DataPower processing policy feature set and extends the arc of possibilities for JSON and web-centric content processing.

I25 - Mobile, Cloud, SOA Security with IBM WebSphere DataPower Gateway Appliances

Speaker: Michael Hamann, IBM

IBM WebSphere DataPower Gateway Appliances provide a centralized security enforcement point in an enterprise infrastructure. This session describes how this product can be used as an effective security enforcement point across a disparate set of technologies, including IBM System z applications. This session covers each of the security compo
nents and how they can be utilized in the scenarios of federation of identity, enterprise-wide authentication, and authorization. This session touches on a variety of topics associated with security of mobile, web application, and web services. This session also presents use-case scenarios on how IBM WebSphere DataPower is utilized within different enterprise environments to address security requirements.

I26 - DataPower-MQ Connectivity Deep Dive

Speaker: Robin Wiley, LearnQuest

DataPower can connect to MQ as a client, sending and receiving messages to and from queues. Unlike traditional MQ client programming, the DataPower client interface has certain predefined functions that limit the scope of activities that can be performed. This session will explain what you can and can't do when integrating DataPower into your MQ infrastructure. Topics covered will include syncpoint processing, message grouping, message properties, JMS considerations, connection options, and many more.

I27- Introducing the IBM Multi-Enterprise Integration Gateway

Speaker: Stephanie Fetzer, IBM

IBM Sterling B2B Integrator empowers growth through the seamless and secure execution of multi-enterprise business processes with 100% of a company’s business community; improving business agility, operational efficiency and business performance through community integration, business process automation and visibility into actionable information across your IT and business processes.
The session will introduce the IBM Multi-Enterprise Integration Gateway which extends these capabilities by offering a high availability communications architecture while IBM Sterling B2B Integrator Basic offers a new lower cost of entry for mid-market companies.

I28 - Integrating Banking Services with WebSphere DataPower

Speaker: Ahmed Olgun, Yapi Kredi Bank

This session will include how Yapi Kredi Bank achieved to integrate its banking services with each other as well as external entities. We will discuss alternative patterns to organize services focusing on domain concept. You will learn how we designed, implemented, managed, deployed and monitored them.

I29 - IBM WebSphere DataPower Gateway Service Patterns & Policy Management

Speaker: Michael Hamann, IBM

This session covers the capabilities and best practices of leveraging IBM WebSphere DataPower service patterns and policy features to better deploy web services and application programming interface gateways into the appliance. Existing functionality and new features in IBM WebSphere DataPower V7 are discussed. A series of demonstrations shows how easy it is to deploy new gateway services that can dynamically on-board new services and consumers using dynamic service level agreement policies.

I30- Discover the value-added capabilities of IBM software compared to open source solutions

Speaker: Stefano Bussaglia, IBM

Enterprises require integrated software solutions that have high performance, high availability, reliability, transaction integrity, and deliver fast time to value. Learn how IBM middleware solutions, including application infrastructure, messaging, enterprise service bus, and developer tooling, are built on open standards, extend open source, and how this can provide value-added capabilities that will save you time and money.

I31 - Accelerate delivery cycles using service testing and virtualization in a WebSphere environment

Speaker: Vinit Kutty , IBM

Developing and testing complex middleware based applications is a complex job. Services will be developed, own and run by many different teams including 3rd parties. Few projects are isolated; there will be a long list of dependencies that all need to be in place in order to develop and test satisfactorily. Setting up such environments is time-consuming and expensive which means it doesn't happen until late in the cycle at which point integration testing can go spectacularly wrong. As organisations move to a DevOps style of release this can cause a huge bottleneck in the pipeline.
Service virtualization gives both developers and testers a way to deal with this. Simulations of downstream services can be quickly created and used to shift integration testing left back into the early development and test cycles. Test environments are simulated in a way that allows the test team to control responses and quickly test edge cases and failure conditions that would otherwise be too time consuming. Development teams can use the technology to both create simulations of services they need their code to use and also to quickly create smoke-test environments that allow post-build automated integration tests to run. Overall this massively reduces risk and cuts release times.
Rational Integration Tester's integration to the Websphere family (MQ, WAS, WSMB, WSRR) provides some unique capabilities to make this even easier for WebSphere developers.

Covering:
* What is service testing and virtualization and what are the benefits
* What does a typical tester and developer get from service virtualization
* Introduction to the GReen Hat [Rational Integration Tester] tool
* A walk through of the ways in which a Websphere dev team can use the tool (both general and specific Websphere capabilities)
* A demonstration of building virtual services against a WebSphere environment [WAS and MQ]
* Q and A

I32 , Engaging WebSphere Competitive Migration Team

Speaker: Greg Smolko, IBM

Want to migrate to WebSphere from competitive platform, but afraid of technical issues and cost? Engage World Wide WebSphere Competitive Migration Team.
In this session you will learn basic engagement methodology and how the team can help you to estimate duration and cost of the migration project. Engaging the team is free of charge for qualified customers.

IL1 - IBM API Management
Hands on Lab
Speaker: Klaus Bonnert, IBM

In this lab, attendees will experience the IBM API Management solution and learn how to develop and expose SOAP and REST APIs, define policies for access restriction and monitor the usage. At the completion of this lab, participants have a solid understanding of how the IBM API Management solution helps to rapidly create new APIs from existing business assets or cloud services and manage the APIs with business-level controls by setting varying levels of consumption and entitlement.

IL2 - IBM Integration Bus V10
Hands on Lab
Speaker: Alex Wood & John Wesley, IBM

This hands-on lab will allow you to try out the latest release of IBM Integration Bus. Depending on your experience and interests, you can discover how to get started with a simple message flow, or you can work through more involved examples including how to work with Web Services, how to process files, how to model messages using DFDL, or how to author your own patterns. To help you get the most out of this session, you will be assisted by several members of the IIB Development Team who will guide you through the lab and answer questions. If you are new to IIB or an expert, there will be something for you in this lab. Come along and get up to speed with the latest and greatest version of IIB!

IL3 - Build a Mobile Security & Integration Gateway Using IBM WebSphere DataPower & IBM Worklight

Hands on Lab

Speaker: Michael Hamann, IBM

This workshop demonstrates how to build enterprise-level mobile security and integration gateway functionality using IBM WebSphere DataPower appliances and integrating with IBM Worklight security framework. Learn how to
quickly deploy IBM WebSphere DataPower as a mobile reverse proxy in front of IBM Worklight to provide routing, access control, threat protection, network optimization, and edge caching. Also see how to customize a security policy using the new GatewayScript framework to provide greater control of messages on the wire and apply advance security protection. Finally, learn how to allow third-party access to resources using OAuth 2. At the end of this session, attendees understand how IBM WebSphere DataPower can be used to secure and integrate mobile workloads for enterprise services.

IL5 - DataPower-MQ Connectivity Deep Dive

Hands on Lab

Speaker: Robin Wiley, LearnQuest

DataPower can connect to MQ as a client, sending and receiving messages to and from queues. Unlike traditional MQ client programming, the DataPower client interface has certain predefined functions that limit the scope of activities that can be performed. This lab will show you how to integrate DataPower with MQ and show you what can and can't be done. Lab exercises include syncpoint processing, message grouping, message properties, JMS considerations, connection options, and more.

Track 6: System z

Z1 - WebSphere MQ for z/OS V8: Latest Features Deep Dive

Speaker: Damon Cross, Advisory Software Engineeer, IBM

WebSphere MQ for z/OS V8 makes use of many system features and facilities to provide a very high level of availability and performance for your messages. Come along to this session to learn the detail behind all the new features and enhancements in the latest release of WebSphere MQ for z/OS.

Z2 - CICS Transaction Server V5: What's in it for you?

Speaker: Andrew Bates, CICS Transaction Server Product Manager, IBM

In late 2012, IBM CICS TS V5.1 for z/OS became available, followed by CICS TS V5.2 in mid 2014. So what does that mean for you? Perhaps you can reduce operational complexity by hosting modern application interface logic inside the Liberty server within CICS? Perhaps you can use the new CICS Cloud capabilities to improve application reliability and speed up deployments? Maybe you can improve your integration with Mobile devices? Or better control your costs though policies and consolidation? Did you raise one of the 200+ customer requirements satisfied in CICS TS V5? Come to this CICS opening session and find out how once again, CICS is reinventing mainframe application serving. And most importantly, the value of what is in CICS TS V5 for you.

Z3 - The Value of Creating a CICS Cloud

Speaker: Andrew Bates, CICS Transaction Server Product Manager, IBM

In late 2012, IBM released CICS TS V5.1 for z/OS, with one of the headlines being the introduction of CICS 'Cloud' capabilities. In mid 2014, IBM released CICS TS V5.2, substantially enhancing these capabilities. But what does creating a CICS 'Cloud' really mean? And what exactly are these new CICS Cloud capabilities? How do these new Applications and Platforms artifacts relate to existing CICS technologies such as programs, transactions and regions? Where do these new Policies fit in? And most importantly, what value can you expect to derive from creating a CICS Cloud architecture? If you have ever asked yourself any of those questions, you should not miss this session

Z4 - Business Rules on z/OS: Gaining agility by making the right change at the right time

Speaker: Chris Backhouse, Architect Operational Decision Manager for z/OS, IBM

Today's competitive environment demands fast and accurate business decisions; this level of agility can be challenging when critical mainframe applications contain business rules written in multiple languages, including COBOL and PL/I. The result is inadequate flexibility, response time and high maintenance overhead. The trend for mobile applications puts even more requirements on these z/OS applications at the heart of these mobile based solutions. IBM's Operational Decision Manager for z/OS (ODM for z/OS) brings agility to z/OS applications by automating decision logic to allow fast changes to these business rules. Combining the management and execution of business rules within the ODM for z/OS product delivers agility, traceability and full lifecycle support to existing and new batch, CICS and IMS applications. This session will cover the advantages gained from implementing ODM for z/OS and give technical details of the different execution options designed specifically for z/OS applications.

Z5 - WebSphere MQ for z/OS: Security

Speaker: Damon Cross, Advisory Software Engineeer, IBM

This session will look at how security facilities are provided on WebSphere MQ for z/OS, including a look at what security is available, how it is activated/deactivated, what types of resources can be protected and an insight as to how WebSphere MQ for z/OS determines which userids it uses for the checks it performs.

Z6 - Capacity Planning and Chargeback with WebSphere Application Server on z/OS

Speaker: David Follis, WebSphere Compute Grid Lead Architect

WebSphere Application Server on z/OS writes SMF 120 records to record activity in the server. In this session we'll look at the content of those records and how you can use them to monitor and manage your servers. We'll look at reports generated from real world data and talk about what the data is trying to tell us. We'll look at fields to which you should pay careful attention (and fields you can safely ignore). We'll also talk about how applications can add their own data into the records and how you might get business value from it.

Z7 - Assimilating WebSphere Application Server into your z/OS WLM Configuration

Speaker: David Follis, WebSphere Compute Grid Lead Architect

Whenever IBM talks about WAS on z/OS (either Traditional Full Profile or the new Liberty Profile) we always go on about integration with z/OS and WLM. In this session we'll look at how that happens. What does WebSphere do to integrate with WLM? What things in your WLM policy need to change or adjust? We'll spend most of our time on the Traditional Full Profile WAS server but we'll also talk about Liberty and how it interacts with WLM. Whether you're an old hand at WLM who would like to know more about this WAS thing or a WAS administrator who wants to understand how decisions you make in your server affect the rest of the system, you'll find something of interest here.

Z8 - Who's afraid of the big old mainframe - Introduction to the IBM Problem Determination Tools and analyzing application problems using IBM Fault Analyzer

Speaker: Hans Emrich, Senior Client IT Professional, IBM

In an evolving world of java, cloud and mobile, it becomes more and more essential to reuse stable existing legacy applications. End of the 1990ths, IBM introduced a set of problem determination tools to be able to test, debug, create test data and measure performance (and some more) for applications developed in COBOL, PLI, C/C++ and Assembler. IBM Debug Tool, to debug applications IBM Fault Analyzer, supporting programmers when analyzing Abends IBM File Manager, handling all type of data IBM Application Performance Analyzer, to analyze run time CPU usage and bottlenecks This session will introduce you with a general overview of the IBM Problem Determination Tools, their purpose and their strategy to use GUIs as stand-alone product and in combination with other eclipse based IDEs as well. In the second part a deeper look into IBMs Fault Analyzer product will be given. We will present how Fault Analyzer works, how it can be implemented and how the user do analyzes with it. This will cover traditional Fault Analyzer features as well as new features in V13.1 like the FA Web interface or the COBOL Explorer.

Z9 - Advantages of running WebSphere Application Server 8.5.5 on z/OS

Speaker: James Mulvey, IBM

This session will provide a detailed description of the benefits of running WAS on z/OS. We'll cover the key differentiators for the Full profile and include that latest 'hidden gems'. After attending, you'll be more than ready to answer the question: 'Why WAS on z/OS?'

Z10 - What's New with the IBM WebSphere Application Server Liberty Profile on z/OS

Speaker: James Mulvey, IBM

This session provides information about the latest z/OS differentiators with the IBM WebSphere Application Server Liberty profile on z/OS. We'll offer details about the new support for optimized local adapters that provide for high-performance calling between applications in the Liberty profile and those in traditional z/OS environments, including batch, CICS, and USS.

Z11 - DevOps on the IBM Mainframe: It's not just a Dream !

Speaker: Marcel Däppen, UBS CTO and Head of Application Technology on IBM Mainframe

We will present how UBS implemented extensive application development, build and code quality evaluation automation into a cross platform environment which enables project teams to create higher quality code quicker and with much faster feedback to developers than before. You will learn how to enable the project leaders to make better decisions by evaluating long-term trends on the quality of application source code. We will show how UBS deployed IBM Rational Developer for System z (RDz) and integrated their Change- and Configuration Management solution including the build and code quality testing tools leveraging the build automation to support the environments, reports and dashboards as guidance for the project teams.

Z12 - Securing mobile access to CICS

Speaker: Nigel Williams, Certified IT Specialist, IBM

CICS applications and their associated data constitute some of the most valuable assets owned by an enterprise. Therefore, the protection of these assets is an essential part of any CICS mobile project. After a review of the main security challenges, this session outlines the options for securing mobile access to CICS. We consider different CICS mobile solutions including direct access, z/OS Connect, secure integration with the IBM Worklight server and using WebSphere DataPower as a mobile security gateway.

Z13 - Securing CICS web services

Speaker: Nigel Williams, Certified IT Specialist, IBM

In this session you will learn about different ways to integrate securely with CICS web services, including new improvements in CICS to support SAML (Security Assertion Markup Language), using WebSphere DataPower as a web services gateway and the recently announced support for TLS 1.1 and TLS 1.2 which provide stronger cryptographic keys and more robust algorithms. Project examples are used to illustrate how customers are using these capabilities to secure access to their CICS systems.

Z14 - System z in a Mobile World

Speaker: Frank van der Wal, Technical Lead Mobile Montpellier, IBM

In this session you will learn about the reasons and the need to have a reliable, secure and scalable back-end infrastructure, ie System z, for your mobile environment. We will explain the why and when System z is a good infrastructure choice for being the Mobile Enterprise Application Platform in an organization that already runs System z. You will learn about security topologies, agile approaches to deliver apps and mobile analytics.

Z15 - The Value of Java in CICS - Taking a liberty with your CICS applications

Speaker: Tobias Leicher, Technical Sales and Solutions for CICS, IBM

It is well known that Java is one of the most popular programming languages in use. In this session we'll look at the value you can realise now CICS allows you to make use of OSGi, the service orientated approach to Java. We'll also look at the fast and lightweight Java web container that is provided in CICS TS V5. Liberty Profile technology in CICS provides the rich features of Java Servlet and JavaServer Pages specifications, and fast local access to your existing CICS applications and data. Add the CICS VUE and Java on CICS just makes sense!

Z16 - XML, Unicode, Java & more - COBOL5: the future of COBOL

Speaker: Wilfried Van Hecke, IBM Certified IT Specialist

JAVA is certainly the most popular programming language, but COBOL is still and will stay around, not at least because COBOL provides interfaces to integrate COBOL and JAVA in your applications. Last year, IBM introduced the newest COBOL compiler. IBM's new Enterprise COBOL5 compiler satisfies many long-standing requirements, like exploiting zArchitecture, improved XML GENERATE and XML PARSE. It also solves many user problems like keeping track of debugging information for applications. Finally, it offers the prospect of improved performance for your COBOL applications by simply recompiling!
The presentation will show you the details about what IBM COBOL development has been working on for the past few years, including last minute features for ease of migration.

Z17 - IBM Debug Tool: Who's afraid of the big old mainframe - graphical tools to debug

Speakers: Wilfried Van Hecke, IBM Certified IT Specialist

In a evolving world of java, cloud and mobile, it becomes more and more essential to reuse stable existing legacy applications. End of the 1990ths, IBM introduced a set of problem determination tools to be able to test, debug, create test data and measure performance (and some more) for applications developed in COBOL, PLI, C/C++ and Assembler.
IBM Debug Tool V13R1, to debug applications
IBM Fault Analyser V13R1, supporting programmers when analysing Abends
IBM File Manager V13R1, handling all type of data
IBM Application Performance Analyser, to analyse run time CPU usage and bottlenecks

This presentation will introduce you to the IBM Debug Tool and IBM File Manager

The IBM Debug Tool presentation will focus on the actual V13R1 including set up, best practices, functions and the graphical user interface. Features will show the usage of the Debug Tool Code Coverage including an app. as well as the newly introduce support for CICS V5R2 bundles being a starting point for CICS as a Cloud server. We will also present the possibilities to debug end-to-end debugging with JAVA.

The IBM File Manager will rather focus on the many functions dealing with all type of data including MVS, CICS, IMS, DB2 databases as well as Websphere Message Queuing (WMQ) using a 3270 and the latest updated Graphical User Interface
If time allows, a live presentation will be shown.

Z18 - Who's afraid of the big old mainframe -
Part 1: graphical tools to work with data
Part 2: application performance measuring using graphical tools

Speakers: Wilfried Van Hecke, IBM Certified IT Specialist & Hans Emrich, Senior Client IT Professional, IBM

In an evolving world of Java, cloud and mobile, it becomes essential to reuse stable, existing legacy applications. At the end of the 1990s, IBM introduced a set of problem determination tools to enable testing, debugging, creating test data and measuring performance (and many other features) for applications developed in COBOL, PLI, C/C++ and Assembler.

This presentation will introduce you to one of the key tools for diagnostics: the IBM File Manager. The IBM File Manager presentation will focus on the many functions dealing with all type of data including MVS, CICS, IMS, DB2 databases as well as Websphere Message Queuing (WMQ) using a 3270 and the latest updated Graphical User Interface. If time allows, a live presentation will be shown.
Finally we will present IBMs Application Performance Analyzer product which is used to identify and solve performance problems and bottlenecks from an application point of view. If time allows, we will show its ease-of-use to set up measurements for a Batch, CICS, IMS or WAS environment.

3 SYSTEM Z LABS (being run in a common session):

Hands on Lab: Setting Up the CPSM Environment to Make Full Use of the CICS Explorer

Speakers: Marcel Amrein, IBM Germany Technical Sales Specialist for WebSphere MQ and CICS

This hands-on lab provides an opportunity to set up a CICS systems management environment, which is the prerequisite to make full use of the powerful features of CICS Explorer and immediately perform administrative actions against an existing collection of CICS regions in Single System Image (SSI) mode. This is the immediate benefit CICS system administrators get when you turn your CICS regions into "managed address spaces".
You will create a CPSM CMAS address space and a Web User Interface (WUI) CICS server region, and define a new (your first ?) CICSPlex to embrace some existing CICS regions as „managed address spaces“ (MAS). As an optional add-on we offer to set up and verify basic CPSM-based workload management. The lab runs in a real z/OS environment.

Hands on Lab: Discover MQ z/OS features

Speaker: Carl Farkas, zWebSphere consultant, IBM

This series of hands-on labs will give you the opportunity to discover several recent enhancements in MQ on z/OS including Shared Queues with SMDS, File Transfer with MQ and Pub/Sub and Channel Authentication. Each lab is independent and typically takes 45 minutes; you can do as many as you'd like.

Hands-on lab: Discover the Integration Broker on z/OS

Speaker: Carl Farkas, zWebSphere consultant, IBM

This session will allow you to discover latest version of the IBM Integration Broker (IIB), formerly known as the WebSphere Message Broker (WMB). This series of hands-on labs allows you to configure and start your own Broker on z/OS, and then additionally do a bit of quick development to understand how the Broker allows you to easily integrate z/OS corporate data on CICS, IMS, DB2, VSAM, QSAM, etc. The various labs generally take about 60 minutes and can be combined as you find appropriate depending upon your specific interests.

WebSphere Open Labs

Topic: **WebSphere Caching:**
Name of the lab: Introduction lab for WebSphere eXtreme Scale
Duration: 120 Minutes
Target Audience: Administrators/Developers
Session Level: Beginner
Skills required: none
Description: This lab is an introduction to WebSphere eXtreme Scale and its capabilities as an in-memory data grid. It includes installation, configuration and monitoring of a WXS caching grid.

Topic: **WebSphere Application Server**
Name of the lab: Migrating WebSphere Applications from V6.1 or V7 to V8.5 using the WebSphere Application Migration Toolkit
Duration: 60 Minutes
Target Audience: Developers
Session Level: Intermediate
Skills required: Java EE Skills
Description: This exercise will illustrate how to use the Application Migration Tool to help with Application Migration from one version of WebSphere Application Server to another. You will migrate two applications.

Topic: **WebSphere Application Server**
Name of the lab: WebSphere Application Server Liberty Profile for Administrators
Duration: 120 Minutes
Target Audience: Administrators
Session Level: Introduction
Description: This exercise will illustrate how easy to set up and administer WebSphere Application Server Liberty Profile

Topic: **WebSphere Application Server**
Name of the lab: WebSphere Application Server Liberty Profile for Developers
Duration: 120 Minutes
Target Audience: Developers
Session Level: Introduction
Description: This exercise will illustrate how fast and easy to set up your environment and to develop an application using WebSphere Application Server Liberty Profile.

Topic: **WebSphere Application Server**
Name of the lab: Introduction into WebSphere Batch
Duration: 120 Minutes
Target Audience: Developers
Session Level: Introduction

Topic: **WebSphere Application Server:**
Name of the lab: Developing flexible, modular applications using OSGi and the WebSphere Application Server Liberty profile
Duration: 120 Minutes
Target Audience: Developers
Session Level: Intermediate
Skills required: Java EE Skills
Description: The idea of the lab is to demonstrate two different OSGi services and how you can develop an OSGi application with a front layer that uses these services to provide a function to end users.

Topic: **IBM Integration Bus:**
Name of the lab: Flexible integration using IBM Integration Bus
Duration: 120 Minutes
Target Audience: Developers
Session Level: Introduction
Skills required: no

Topic: **IBM Integration Bus:**
Name of the lab: DFDL Message Modelling for CSV data
Duration: 120 Minutes
Target Audience: Developers
Session Level: Intermediate
Skills required: IBM Integration Bus / IBM WebSphere Message Broker
Description This lab demonstrates the usage of DFDL to model and parse CSV messages.

Topic: **IBM Integration Bus:**
Name of the lab: Graphical Data Mapper
Duration: 120 Minutes
Target Audience: Developers
Session Level: Intermediate
Skills required: IBM Integration Bus / IBM WebSphere Message Broker
Description This lab demonstrates the usage of GDM to transform data.

Topic: **IBM Integration Bus:**
Name of the lab: Applications and Libraries
Duration: 120 Minutes
Target Audience: Developers
Session Level: Beginner
Skills required: IBM Integration Bus / IBM WebSphere Message Broker
Description This lab introduces the new concepts of applications and libraries

Topic:	**IBM Integration Bus:**
Name of the lab:	Service Discovery for Databases and MQ Services
Duration:	120 Minutes
Target Audience:	Developers
Session Level:	Intermediate
Skills required:	IBM Integration Bus / IBM WebSphere Message Broker
Description	This lab introduces Service discovery.

Topic:	**IBM Integration Bus:**
Name of the lab:	Decision Service Node
Duration:	120 Minutes
Target Audience:	Developers
Session Level:	Intermediate
Skills required:	IBM Integration Bus / IBM WebSphere Message Broker
Description	This lab introduces the new decision service node.

IBM BPM Basics Lab: Iterative Business Process Development

In this 90min lab, we will design an automated process in IBM BPM that will provide better automation, process consistency, and visibility. The process will be created using existing assets and thus achieving quicker time to delivery. You will see how the process is designed in multiple iterations, adding first the process steps, then user screens, then a decision point and branches, and at each iteration the process is "played back" to show progress to that point.

IBM BPM v8.5.5 Update Lab: Case Management Capabilities

This 90min lab is designed to show main features of the new case management capabilities in IBM BPM v8.5.5 and how a case can be integrated with regular processes like the one that is developed in the IBM BPM Basics Lab.
This lab exercise will show how existing or new processes, human services and documents can be combined together.
This lab is intended for people who already completed the IBM BPM Basics Lab or already have some experience with previous versions of IBM BPM.

IBM BPM v8.5 Update Lab:

Custom Dashboards Acquiring visibility on process efficiency is one of the fundamental goals of Business Process Management. Since Version 8.5 of IBM BPM, you can quickly assemble process dashboards that are specifically tailored to highlight the metrics that are of interest to your organization. These custom dashboards can then be exposed and will exhibit the same look and feel as the dashboard provided by the product itself.
This 90min lab exercise is intended for people who already completed the IBM BPM Basics Lab or already have some experience with IBM BPM.

Tracks from IBM Digital Experience 2014:

IBM WebSphere Portal and IBM Web Content Manager

Your conference registration also provides access to any session from the IBM Digital Experience 2014; this is a second conference, held with the IBM WebSphere Technical University 2014 conference that covers topics, such as IBM WebSphere Portal and IBM Web Content Management with another 100 sessions.

Have a look at the IBM Digital Experience Agenda and Session Directory

***Ahmet Olgun**, Head of Software Architecture, Yapı Kredi Bank (YKB)*
Ahmet leads YKB's software architecture team. He is accountable for the strategy, design and development of YKB software architecture. Throughout his career he worked in different banks as an architect. He is a graduate in Computer Engineering from Boğaziçi University, Turkey, holds a Master of Science degree from the same university.

***Alex Wood** is a Software Engineer at the IBM Hursley Labs in the UK.*
He is a member of the IBM Integration Bus development team and the team lead for the IBM DFDL and GDM technologies and the WebSphere ESB to IBM Integration Bus convert tool.

***Alexander Ross** is a software engineer at the IBM Hurlsey laboratory in England where he has worked for over 4 years in the WebSphere MQ development team. Alex has been involved in the last three releases and now works on developing WebSphere MQ for z/OS. He holds a Masters of Engineering in Electronic and Electrical Engineering from the University of Portsmouth, UK.*

***Andre Tost** works as a Senior Technical Staff Member in the IBM WebSphere organization, where he works as the Lead Patterns Architect for the IBM PureApplication System product.*
His special focus at the moment is on cloud computing platforms and integrated expert systems. Before his current assignment, he spent over ten years in various consulting, development, and architecture roles in IBM. He has worked with large IT organizations across the globe on SOA and BPM and has acted as Lead Architect for many large IT projects, specifically around the Enterprise Service Bus pattern. He started his career at IBM as a C++ and Java developer and still enjoys developing code.
Andre has co-authored five books on various technical topics, is a developerWorks Master Author and speaks at conferences world wide.

***Andrew Bates** is the IBM Product Manager for CICS Transaction Server, based in Hursley, UK. Andrew has worked in the CICS organisation for almost 15 years. This includes a three year assignment to IBM China in 2007, where Andrew was the IBM CICS portfolio Business Development Manager for the Asia Pacific region. Andrew has been the CICS Transaction Server Product Manager since returning to the UK at the end of 2009.*

Bernard Kufluk *is Product Manager for IBM MessageSight, IBM's gateway to the Internet of Things and mobile messaging.*
During 15 years at IBM he's held positions in Product Management, Development, Test and Support. When not in the office he enjoys spend.

Bryan Boyd *joined IBM in 2010 and has contributed to the development, test, and adoption of IBM MessageSight.*
His primary expertise lies in the design and development of Internet of Things and real-time mobile applications that utilize MessageSight and the MQTT protocol for rapid, reliable, and scalable messaging. Bryan holds a Masters degree in Computer Science from Texas A&M University.

Carl Farkas *has been working in the I/S industry for over 35 years and has held many different jobs in a variety of technical areas.*
Carl has been concentrating on communications, messaging and application integration for the past 20 years and has authored several books on host integration and networking. More recently, Carl has been performing technical consulting for the IBM WebSphere products primarily on the IBM System z platform. Carl is now leading the IBM Europe zWebSphere technical sales team. He specializes in the WebSphere Application Server and WebSphere MQ product families, and he has developed numerous education classes in these areas which he has taught throughout Europe.

Chris Backhouse *is the architect for IBM's business rules and events offering on System z.*
Chris has a long history with System z having previously been part of the CICS development team that created the Web services and business events support before moving to the Operational Decision Manager team 5 years ago. In his time in this role Chris has worked with all of the major customers of ODM on z/OS and gained a real insight into the issues they face and the benefits they can gain from a business rules based solution.

Chris Bailey *is a member of the IBM Java Technology Center team at the Hursley Park Development Lab in the United Kingdom.*
As the technical architect for support, monitoring and diagnostics of the IBM runtimes, he is responsible for delivering first class monitoring, management and diagnostic capabilities for Java and Node.js both on existing and next generation cloud deployment platforms . Chris is also involved in gathering and assessing new requirements, and is a recognised author and speaker on the topics of performance and troubleshooting.

Claus Torp Jensen *is a Senior Technical Staff Member and Chief Architect, API Economy.*
He is responsible for driving "API first" principles into business models as well as software engineering. Through an integrated approach to Mobile, Cloud, API and SOA use cases, the API Economy team provides thought leadership on critical challenges faced by modern businesses. Prior to joining IBM in March 2008, Claus was Group Chief Architect, VP of Architecture and Business Development, in Danske Bank, a regional European bank. He was responsible for driving Danske Bank's SOA initiative and SOA center of excellence since its inception in 1999, and is known as an SOA expert and evangelist. Claus is a member of the IBM Academy of Technology and holds a PhD in Computer Science from Aarhus University, Denmark.

Damon Cross *is an Advisory Software Engineer at the IBM Hursley Laboratory in the UK.*
He has been working on mainframe systems for 28 years, with the last 17 of those at IBM. Damon works in the MQ z/OS L3 team. Prior to that Damon worked in CICS L3.

David Brakoniecki : *Delivery Leader*
David runs BP3's European development and project delivery teams. He helps our clients to solve their problems and optimize their operations through bespoke business process management (BPM) solutions. A keen advocate of iterative development, David loves to find ways to deliver business value to our customer quickly and often.
David has worked in-house with several large companies (which is why he has such a good understanding of our clients' perspectives, concerns and priorities) as well as with technology companies. His wide-ranging experience and expertise was developed in the insurance, e-commerce, telecommunications and investment-banking sectors, where he has worked in technology, finance and business development functions.
David joined BP3 from the acquisition of Modexe ltd. Before Modexe David was a Senior BPM Consultant at Axispoint UK. Prior to that, he was chief information officer at Xbridge (owner of simplybusiness.co.uk, the UK's largest online business insurance broker), where he implemented a bespoke e-commerce platform based as well as a programme for training new staff in BPM development.
David was previously director of corporate finance at Firstmark Communications (a pioneer in the delivery of broadband internet services in Europe) and an investment banking analyst for Lehman Brothers. He holds an MSc in Economic History from the London School of Economics and a BA in European History from Northwestern University.
David writes regularly on BPM, technology and business topics at blog.brakoniecki.com and can be found on Twitter @dajb2.

David Currie *is an architect in the WebSphere Application Server development organisation focused on integration of the Liberty profile with the Bluemix and Cloud Foundry Platform as a Service offerings. He has previously worked in IBM Software Services for WebSphere providing consultancy around the WebSphere stack.*

David Follis *WAS Compute Grid Lead Architect*
David has been a developer and architect in the WAS on z/OS group for about 17 years. His focus has primarily been on the integration of WAS with the z/OS platform. He recently accepted the role of lead architect for Java Batch (Compute Grid) in WebSphere Application Server.

David Ware *is an architect and senior developer for IBM's MQ products.*
He has many years of experience of designing and developing messaging middleware software, working with MQ and WebSphere Application Server. He has a wide knowledge of messaging with particular expertise in the publish/subscribe model and MQ clustering topologies.

***Dieter König** is an IBM Senior Technical Staff Member in IBM Software Group's laboratory in Böblingen, Germany, working as an architect for the IBM Business Process Manager product. He was a member of the standardization committee for Web Services Business Process Execution Language (WS-BPEL). He has published many articles and has given talks at conferences about Web services and workflow technology, and is co-author of multiple books about Web services. Dieter is responsible for the integration of IBM BPM with Enterprise Content Management (ECM) products, and the implementation of Basic Case Management in IBM BPM.*

***Dominik Weitz** Started 2011 working for ABK-Systeme GmbH as a Software Developer. Moved to app development in 2012. In early 2014 i was named to my current position as team-leader of development for new technologies at ABK-Systeme GmbH. In this role i lead a team of 10 BA-Studens studying business information systems at ABK-Systeme GmbH.*

***Donato Marrazzo** is a Certified IT Specialist who is based in Rome, Italy. He joined IBM Global Services in 1999, in this role he developed e-commerce solutions and web portals. Since 2002, he had been working in WebSphere pre-sales team, in this role he worked with many enterprise clients, promoting the adoption of the main WebSphere technologies and solutions: Application Infrastructure (WebSphere Application Server), SOA (ESB, WPS, WSRR, WBE), Smarter Process (BPM and ODM) and lately Mobile Development Platform (Worklight). After Lombardi Software acquisition in 2009, he developed a strong BPM experience, working on complex demos, proofs of concept and supporting BPM deployment in Italy. Donato achieved a Master Degree in Computer Engineering in 1998 from Politecnico di Milano, Italy.*

***Dorian Schäfer** Junior Marketing Manager at EFiS EDI Finance Service AG*
planning and implementation of Co-Marketing activities
such as Co-Advertising, Co-Referencing and Co-Events like joining the
CeBIT 2014 as IBM Business Partner
since September 2014: Master of science "Wirtschaftspsychologie" Frankfurt
School of Oeconomie and Management (FOM)

***Erin Bartholomew** is a software developer for IBM's Software Group. She currently works in Mobile First for iOS Apps, focusing on developing enterprise-ready apps using Swift and Objective C. Erin has also worked for Mobile Cloud Services as a leader in location-based service development and for IBM DataPower and for IBM WebSphere Virtual Enterprise as an expert in web-based technologies like JavaScript, DOJO, and JSP.*

Frank Van Der Wal *graduated from Computer Sciences at the PolyTechnical in Amsterdam in 1989 followed by a Technical Business Administration course at the same institute a year later. He joined IBM in 1989.*
Early 2004 he dedicated his time to the translation of IBM's Business strategy into the products and services. In this role Frank was a consultant on items as Virtualization and Service Orientation. As of the beginning of 2004 year Frank was named Client IT Architect and concentrated on Service Orientation, Virtualization, Innovation and Smarter Planet related activities within the SMB market segment.
From 2013 he works as Technical Lead Mobile in the IBM Montpellier Design Center. He concentrates mainly on Mobile on System z, is co-author of the Redbook on this topic, participates and co-developed in Mobile Integration Workshops for High End Systems. During his stay in Montpellier he works also on the Reference Architecture for Mobile on System z and was guest speaker for several worldwide and European webcasts on the topic.
In his spare time Frank is an amateur astronomer, try to listen to his all-analog audio setup, runs a mile or two, but seldom simultaneously.

Georg Ember *is a Software IT Architect working for IBM Software Group in Germany.*
He holds a degree in computer science from the University of Nuernberg / Germany. He works for IBM since 1987 in several roles and has gained his certification as an IT specialist in 2000 in IBM Systems Group.
His former areas of expertise were IBM Server Architectures and IBM TotalStorage Solutions with a focus on very large Databases, Business Intelligence and Middleware Solutions.
In 2007 Georg became a certified Software IT architect for the Insurance sector and supported many insurance clients in implementing IBM software solutions.
Since 2012 he is part of a world-wide team responsible for the Technical Sales support of IBM PureSystems. His current areas of expertise are IBM integrated systems, cloud computing architectures, Information management and Business Analytics.
Georg likes to apply IBM methods and uses a structured approach to solve business problems. He applied his expertise and technical guidance with IT Architects from several IBM divisions to design and implement large-scale IT solutions at many European customers. He is also passionate about designing private cloud solutions and helping clients to implement converged systems.
Georg Ember has written and co-authored several IBM and non-IBM publications in the areas of Service Oriented Architecture, IT compliance, IBM Tivoli Storage Manager, Server Consolidation, and IBM PureSystems. He is also a senior lecturer at the international university of Ansbach where he regularly teaches classes about IT systems design and Software Architectures.

Hans Emrich *started 25 Years ago with IBM.*
During that time he worked more than twelve years as IT Specialist in the technical support area for Programming Languages on z/OS and CICS. about eight years as responsible Project leader for several z based IT Projects and is since 2009 in the Technical Sales area responsible for the IBM Problem Determination Tools for system z.

Dr Ian Robinson *is an IBM Distinguished Engineer and the Chief Architect of the WebSphere Application Server.*
Ian has over 20 years' experience working in distributed enterprise middleware across product development, open standards and open source. He is responsible for the strategy and development of IBM's WebSphere Application Server, including the lightweight WAS Liberty Profile, and the tools that support it.

Jens Diedrichsen *is the Program Director for IBM Integration Bus Development.*
He is based in the IBM Hursley Lab in the UK leading a worldwide Development organisation with team members in India, China, Canada and the UK. Jens has worked for IBM since 1992 in a variety of technical and managerial roles.

Jeremy Hughes *is the WebSphere Application Server development architect for DevOps and Open Source, based at IBM's Hursley development laboratory in the UK, recently focusing on enabling the Liberty Profile to be managed by popular DevOps frameworks, including Chef.*
He is an IBM Lab Advocate, helping customers make the most effective use of WebSphere products. He has led technology development in OSGi Applications and Web Services delivering to many WebSphere Application Server releases. He is a committer and PMC lead on the Apache Aries project. He is passionate about building a wider ecosystem of technology, often Open Source, around IBM products to help customers build their solutions.

João Paulo Marques Lopes Benedito *BPM Senior Consultant with more than 4 years experience in IBM/Lombardi BPM technologies, 7 years of practical experience in SW development (J2EE).*
João is currently the Brazos UI Technical Lead providing also customer support, training and guidance. He works close with all the teams, helping them achieve their goals and removing obstacles. Very critic and with attention to detail he is a advocate of usability empowering solutions allays maintaining in mind the optimization and goals of the BPM solution being delivered.
With more than 4 years of IBM BPM experience, João has already successfully lead BPM programs and audits across Europe, empowering customers from the financial, insurance and even ONG sectors.
His knowledge and experience on BPM, his ability to provide and improve solutions, a wide range of technology knowledge alongside with the ability to lead by example result in the delivery of BPM solutions with high usability, adoption and that achieve or surpass the initially defined goals and/or KPIS.

Joerg Rehr *has 20 years of experience in the strategic use of emerging technologies across various industries.*
He is certified Architect for Information Architectures and leading Principal for Master Data Management implementations. Since 2007 Joerg is working for IBM Software Group Services in Germany supporting IBM InfoSphere MDM Server customers with their integration efforts.

John Hosie *has been an architect in the IBM Integration Bus development team since 2010.*
After studying physics and then software development at university, John joined IBM in 2000 and spent 10 years developing features for MQSeries Integrator and other predecessors to IBM Integration Bus. Over this time, he was a key engineer in many areas of integration and, in particular, connectivity. In his spare time, John spends his spare time being terrible at as many sports as his hectic family live allows for.

John Wesley *works at IBM Hursley in the Level 3 service team.*
He has worked in all areas of IIB from functional testing to development of Medical Device Integation over a period of 8 years, and is now in his second rotation in the service team. Previously he has developed support for Medical Devices, Home Health applications and led the Industry team for the Retail, Healthcare and Manufacturing packs.

Kim Clark *is a senior IT specialist from the United Kingdom focusing on design issues within business process management (BPM), integration, and service oriented architecture (SOA).*
He has been working in the IT industry since 1993 and has been involved throughout working on projects, collating best practices, and he writes and presents regularly on lessons learned. He is co-author and instructor of a course on integration, SOA, and BPM design.

Klaus Bonnert *is a Senior Certified IT Specialist based in Stuttgart , Germany.*
He has been a member of the WebSphere Technical Sales Team in Germany for more than 10 years, working with clients from all industries.
His focus is on the integration discipline and the WebSphere Connectivity product portfolio.
Prior to working for IBM, Klaus gained comprehensive experience in the IT industry as a Sales Representative and Consultant. He has a degree in Mechanical Engineering from the Technical University in Karlsruhe.

Lars Besselmann-Hamandouche *works for more than 10 years now as WebSphere Client Technical Professional at IBM.*
His main focus is on application infrastructure, application integration and mobile application development.

Marcel Amrein *is an IT Specialist in the IBM System z WebSphere software Technical sales group in Germany.*
He has been at IBM for 28 years, 13 years of which he has been working for the IBM Training group instructing customer classes for IBM CICS® and MQ and developing the appropriate course material for wordwide use. For the past 8 years, he works as a Client Technical Professional to support and technically consult CICS and MQ customers mainly in Germany. He holds a German Diploma in Communications Engineering from the University of Corporate Education Stuttgart.

Marcel Däppen *is a senior IT Architect in UBS Wealth Management.*
CTO and Head of Application Technology Mainframe. Portfolio Manager and strategist for the UBS developed zEnterprise middleware and driver of zEnterprise modernization within UBS. Marcel is also member of IBM's zBLC and CICS Design Partnership program.

Matt Lucas *is a product architect and consultant for IBM integration and works at the IBM Hursley Software Lab in the UK.*
He joined IBM in 1997, and has worked on integration technologies since the early days of MQSeries Integrator (now IBM Integration Bus). In that time he was worked on a number of areas, initially specialising in deployment and operations. He now covers all aspects of integration architecture and related topics, and spends a large amount of time meeting with users and presenting at conferences. You can contact Matt at lucas@uk.ibm.com, or via Twitter (@mqmatt).

Matthew Golby-Kirk *is a software developer working for the IBM Integration Bus (IIB) development team at the Hursley Lab in the UK.*
He has worked on many areas of the product including .NET, REST, WebServices and ESQL and has been working with IIB and WMB for over a decade.

Michael Hamann *is a WebSphere client technical professional and a subject matter expert in WebSphere DataPower Appliances at IBM SWG in Germany.*
He has 15 years of experience in consulting, instructing and developing enterprise solutions using WebSphere technologies. He is a IBM Level 2 Certified IT Specialist. He worked on a wide variety of customer engagements across all industry sectors.

Michael Hudson *STSM - B2B Software*
Michael Hudson is IBM's STSM for the B2B Software portfolio which includes WebSphere Transformation Extender, Sterling B2B Integrator and the all new Standards Processing Engine. Michael came to IBM in 2005 with the acquisition of Ascential Software. He is based in Boca Raton, Florida.

Mike Johnson *IBM developer on the ODM product specialising on the z/OS platform*
I've worked in many of the IBM products from the UK labs from MQ, SAP R3link, IIB idoc parser, IIB on z/OS to today developing the ODM.

Morag Hughson *has worked in IBM for over 18 years designing, developing and servicing the IBM MQ and WebSphere MQ product (formerly MQSeries).*
Her main areas of expertise include security, channels, the MQ API, MQSC and PCF, Publish/Subscribe and the z/OS platform. She regularly presents on these topics at a variety of technical conferences around the world. She is the architect for the base MQ product with responsibility across both z/OS and distributed platforms.

Nigel Williams *is a Certified IT Specialist working in the New Technology Center, Montpellier, France.*
He specializes in security, CICS, and enterprise application integration. He is the author of many papers and Redbooks publications, and speaks regularly on security and CICS topics.

Norman Jurisch, *26 years old working for Software Group Services in Germany for three years. During this time I gained a lot of experience with IBM BPM from version 7.5 to 8.5, especially with Coaches and CoachViews (Dojo and jQuery). At a large automotive manufacturer I worked with the business on large manufacturing processes with BlueworksLive and IBM BPM. In a later BPM project I created a UI tookit (based on jQuery and Twitter Bootstrap) and reused it later for customer proof of concepts. Currently I`m working in a BPM project at a large bank in Frankfurt, modelling and implementing business processes with IBM BPM v8.*

Paul Pacholski *has been with IBM Canada Development Lab for 31 years*
Initially working as a Senior Developer on several IBM software offerings and for last 14 years in the role of BPM Technical Sales Leader responsible for technical enablement within IBM and influencing BPM product directions. Paul other responsibilities involve working with customers helping with selecting the right BPM technology; presenting at technical conferences; publishing technical papers; and filing BPM related patents. In his most recent role as a Lead Architect, Paul is leading a team that develops SAP capabilities in IBM Smarter Process.

Raghu Kalyanaraman *is an IT Specialist and Subject Matter Expert in IBM DB2 Database and WebSphere within the IBM Competitive Project Office (CPO).*
He has a bachelor's degree in Mathematics and Master's in Computer Science. He is also an IBM Certified Solution Expert - DB2 DBA. Raghu specializes in IBM WebSphere products and does performance analysis on IBM Pure Systems. In addition he does research comparing IBM products against Oracle, VMware and open source products. He also showcases IBM WebSphere solutions worldwide. Prior to joining CPO, Raghu spent more than ten years in development and architecture team working on IBM Security products and IBM Web Portal. Raghu has hands-on experience in web development and mobile (Android) application developmen.

Dr. Ralf Bracht *IT-Architect, Consulting IT-Specialist, WebSphere Services*
Dr. Ralf Bracht is certified IT-Specialist and works as IT-Specialist and IT-Architect for IBM Software Group Services in Germany. In 2011 he joined the Software Services for WebSphere team and now supports clients in the areas application integration und process management.

From 2001 until 2010 Ralf was responsible for the IBM WebSphere product portfolio in the technical sales organization of SWG Germany. First he focused on WebSphere Application Server and the development tools. Since 2005 he took over the Software IT-Architect role, focusing on application and process integration.

Robin Wiley recently *joined LearnQuest as Lead Instructor specializing in WebSphere MQ, DataPower, and Message Broker.*
Prior to this, he worked for IBM for 15 years in a similar role, providing training and consulting with these products. Before joining IBM, Robin managed software development teams, producing integration systems that used MQ and other products for major government departments and multinational corporations. When not engaged in his day job, Robin is a professional magician, and he brings some of his magic to the classroom, providing entertaining and effective tuition.

Roland Barcia *is an IBM Distinguished Engineer and CTO for the Mobile for Software Group Lab Services.*
Roland is responsible for technical thought leadership and strategy, practice technical vitality, and technical enablement. He works with many enterprise clients on mobile strategy and implementations. He is the coauthor of four books and has published more than 50 articles and papers on topics such as mobile technologies, IBM MobileFirst, Java Persistence, Ajax, REST, JavaServer Faces, and messaging technologies. He frequently presents at conferences and to customers on various technologies. He frequently presents at conferences and to customers on various technologies. Roland has spent the past 16 years implementing middleware systems on various platforms, including Sockets, CORBA, Java EE, SOA, REST, web, and mobile platforms. He has a master's degree in computer science from the New Jersey Institute of Technology.

***Roland Peisl** joined IBM's BPM arena in 1998 and has had different roles including SW development, product marketing & management, and business / technical consulting.*
Today he's part of the IBM BPM L3 + SWAT team supporting many IBM customers on their BPM journey, focusing on BPM governance, process discovery, modeling, analysis, automation and monitoring. Roland is a periodic speaker at IBM and non-IBM events. Roland holds a degree in Information Technology from the University of Cooperative Education in Stuttgart, Germany. Roland holds the 'Advanced Certificate in Marketing (CIM)', is a state approved bachelor of business administration (BBA), and a Certified IT Specialist by The OpenGroup.

***Ryan Claussen** is a member of the IBM Smarter Process CTO Office in Rochester, MN, USA.*
Ryan has many years experience working with customer solutions utilizing the entire Smarter Process portfolio including its predecessor products WebSphere Process Server and WebSphere Lombardi Edition along with the latest IBM Business Process Manager releases.

***Sebastian Sutter** is a subject matter expert for Mobile and Connectivity solutions.*
He joined IBM in 2007 and works currently as Senior Technical Sales Professional in the WebSphere Brand of IBM Germany. He has worked on Mobile First solutions with many prospects and clients across all industries.

Surya Duggirala *is the Lead Architect responsible for Performance and Architecture of WebSphere Foundation in IBM Software Group based in Rochester Labs.*
He is the primary IBM representative at SPEC for OSG java subcommittee. He is currently focused on Cloud, Virtualization and acceleration technologies in Middleware. He is the performance lead for IBM Bluemix and JEE technologies. He also looks into architecture issues of integration of IBM Stack products, 3rd party solutions into WebSphere. As a core member of Power Strategy Review Board (pSRB), works with IBM Power development teams on Software Exploitation of Power. As a Global Technical Ambassador (GTA), he works with many customers, Partners and ISVs across the world on Integration, Performance and architecture.

Thomas Alcott *is Senior Technical Staff Member in the United States. He has been a member of the World Wide WebSphere organization since 1998.*
In this role, he focuses on the WebSphere Application Infrastructure products. Tom's background includes over 25 years of application design and development on both mainframe-based and distributed systems. He has written and presented extensively on a number of WebSphere topics as a frequent contributor to WebSphere Developer Technical Journal authoring the "WebSphere Contrarian" column for the past few years, co-author of a number of IBM Redbooks as well co-authoring the best selling "IBM WebSphere: Deployment and Advanced Configuration.

Dr. Thomas Hesse *has been working for 14 years as an IT Architect in Application Development and Application Integration.*
He focusses on web applications (Portals, Content Management Systems), on Enterprise Application Integration (EAI), middleware and Service-Oriented Architecture (SOA), and on mobile architecture and development (Android, iOS, IBM Worklight), specifically for mobile payment and wallet solutions. From 2006 until 2012, he was responsible for the design and development of an Enterprise Service Bus (ESB) and the integration into a Siebel-based CRM solution as EAI Lead Architect in an integration project for a German telecommunications provider. In this project he was assigned for 2.5 years to Bangalore, India (2007-2009). Since 2012, he concentrates on the subject of mobile architecture and development, especially on IBM Worklight and on mobile payment and wallet solutions based on IBM Payment Systems.

Tim deBoer *is the WebSphere developer experience lead and chief architect of the WebSphere Developer Tools (WDT). He works at the IBM Toronto lab.*

Todd Kaplinger *is an Senior Technical Staff Member(STSM) and IBM Master Inventor in IBM's Software Group.*
He is the Mobile Cloud Platform Architect (IBM MobileFirst for IOS) focusing on delivering Mobile Cloud Services on BlueMix and has been one of IBM leading thought leaders and architects in mobile for the past few years. Todd is an expert in web-based technologies such as Dojo, JSP, Servlet, and PHP, with recent focus on emerging Web 2.0 technologies and their impact on the enterprise. Todd has been the lead architect on other WebSphere projects and has participated in the JSR 154 Servlet 2.5 Specification as IBM's representative in the Servlet Expert Group.

Wilfried Van Hecke *is a certified client technical professional from Ehningen, Germany.*
He has over 40 years of experience in debugging including dump analysis on application programming, compilers and their run-time environments. He has worked at IBM for 41 years, the last 12 years as technical presales. His areas of expertise include Language Environment, COBOL, PL/I, IMS, CICS, Debug Tool and other IBM problem determination tools.
He has worked on several projects on migration to Language Environment and IBM Problem Determination Tools.

***Yann Kindelberger** is the lead Architect in the European Design Center, part of the IBM Client Center in Montpellier, France.*

He has been involved in many pre-sales engagements aiming to propose the right infrastructure and integration architecture for customers in various domains like Service Oriented Architecture and Advanced Analytics.