



**IBM Software University 2015**

**WebSphere Technical University PLUS**

Mobile, BPM, Cloud, Integration, Application  
Platform, IBM z Systems and Digital Experience

13 - 16 October 2015 | Dublin, Ireland

**Technical Event**

**Session Directory**

**IBM Software University 2015**

**WebSphere Technical University PLUS**

**October 13 - 16**

**Doubletree by Hilton Hotel - Dublin, Ireland**

# Conference Tracks Overview

- **Track 1: Mobile Enterprise**

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**

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**

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**

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**

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, and API Management, which runs on DataPower.

- **Track 6: z System**

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 Application 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.

**Tuesday October 13, 2015**

10:30 AM - 12:00 PM

Doubletree by Hilton Hotel, Dublin, Ireland

## Leading Enterprise Platforms with Digital Transformations

As the pace of business and the speed of content and data continue to accelerate, successful organizations are reinventing business processes and leading their industries with digital transformations. Join this keynote session to see how organizations are using technology as the transformational agent to their business models, with enterprise platforms that manage secure, agile delivery of complex cloud, hybrid and traditional multi-channel applications. Learn how mission-critical connectivity and intelligence can 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 Commerce, Digital Experience and WebSphere solutions in action, showcasing approaches for organizations to move forward quickly in the digital age in a highly cost effective manner.



**Harish Grama,  
Vice President,  
Middleware  
Products, IBM  
Systems**

Harish Grama is Vice President of Middleware Products within IBM Systems. Since January 2015, he is leading the design, product management and development across the middleware segments of Application Platform & DevOps, IT Service Management, Integration, Smarter Process and Digital Experience. Harish is driving the evolution of the IBM Middleware portfolio by creating new business models built on API's, cloud platforms, hybrid integrations and digital marketing by leveraging a global design, development and product management team spanning 25+ locations and several thousand contributors.

As an IT professional, Harish has held a variety of executive management and technical positions. Harish brings significant cross IBM Software experience to his role. Beginning in 2013 he was Vice President of WebSphere development and product management where he led the vast WebSphere Portfolio. He drove the growth and expansion of WebSphere in traditional on-prem solutions, cloud based offerings, hybrid combinations and the creation of several composable business services.



**John Mesberg,  
General Manager,  
Offering  
Management and  
Strategy, IBM  
Commerce**

John Mesberg is General Manager, Offering Management and Strategy, for the IBM Commerce division. He has global responsibility for the strategy and management of IBM's industry leading eCommerce, Marketing, B2B Integration, and Procurement portfolios within the IBM Commerce division. In this role he is responsible for effectively leveraging this extensive product portfolio and the talents of his world class team to seamlessly implement capabilities that are foundational to ensuring our clients' success. John is also a member of IBM's Growth and Transformation team that advises IBM's CEO, Ginni Rometty, on areas of transformative opportunity for IBM.

John's previous senior leadership roles include General Manager of Smarter Commerce | Smarter Cities, Vice President of B2B & Commerce Solutions, Vice President of AIM Services & Support and Vice President of Financial Services Solutions. Prior to joining IBM John held a number of strategy, consulting, operations and IT management positions in a variety of industries.

### Track 1: Mobile Enterprise

#### ***M38 - IBM and Apple***

*Speaker: Paul Davey - Mobile Leader - Ireland - IBM*

IBM/Apple - I am Ireland's sole member of the UKI Apple/IBM technical leadership team and I'd like to present the latest IBM/Apple Apps and also give a local perspective to past mobility engagements e.g. Aer Lingus, Irish Dairy Board. The demo would give an overview of what the IBM/Apple relationship entails. A demonstration of highlights of the best that the IBM/Apple Apps has to offer and an overview of past successful mobile engagements in Ireland.

#### ***M183 - Overview of the IBM MobileFirst Platform***

*Speaker: Roland Barcia - IBM Distinguished Engineer - IBM Speaker*

The IBM MobileFirst Platform delivers the core capabilities needed in the Mobile Enterprise. The capabilities are focused around delivering Mobile Data, Mobile Security, Mobile Analytics, and Mobile Engagement. We optimize these capabilities using a Cloud Based approach, leveraging technologies like Docker and Bluemix. Finally, we deliver these capabilities using a DevOps approach.

#### ***M209 - Scaling New Heights by Making Enterprise Applications Mobile-Enabled***

*Speakers:*

*Rajesh Kumar Salgare - TATA Consultancy Services*

*Swamy Gowda*

This session will cover how IBM MobileFirst changed the whole idea of developing mobile applications as it made it easier to develop apps for all platforms. This solution was implemented by India's largest DTH Operator with the user-base of 15 million. We will discuss how we made our solution unique and stand out by offering non-internet solution for mobile app which enabled users from rural areas to use the app even with out internet by integrating with SMS gateway. We will be sharing our learning's with attendees that are trying to develop innovative mobile applications that engage partners and employees at their moment of need. Also we will throw some light on how we overcame the challenges in simplifying complex flows in Siebel CRM applications by re engineering existing processes to make it mobile enabled. Testing methodologies that we followed which had resulted in a smooth roll out will be detailed.

#### ***M231 - Connecting Devices to the Internet of Things with MQTT***

*Speaker: Jon Levell - IBM*

The key questions are "Why?" and "How?". This session uses real-world examples to answer the "Why?" and looks at patterns and practices that help with the "How?", including an overview of the features of the industry standard MQTT protocol that provides efficient and reliable communication.

#### ***M233 - Introduction to IBM MessageSight & IBM Internet of Things Foundation***

*Speaker: Jon Levell - IBM*

Come to this session to get an overview IBM's offerings for connecting devices to the Internet of Things. The session will look at the features and architecture of the offerings and discusses examples of their usage in the real world

#### ***M237 - Security and the Internet of Things***

*Speaker: Jon Levell - IBM*

With the rush to harness the power of connected devices, security is often given insufficient consideration. This session looks at a number of potential pitfalls (and their mitigations), some of them based on anonymised real world issues.

## ***M238 - How to build large-scale enterprise hybrid mobile applications***

*Speaker: Zhong Zhao - Senior Consultant - IBM China*

Mobile developers creating hybrid mobile applications these days usually use a combination of modules, UI widgets and Cordova plugins for their architecture. They also use a DOM manipulation library like jQuery or Zepto. While this works great for mobile apps that are built at a smaller-scale, what happens when your project really starts to grow? Based on the real world project experience, such as MoR (Ministry of Railway China) mobile project and Air China mobile project, this hands-on lab shows attendees how to keep your application architecture truly decoupled, build modules that can exist on their own or be dropped into other projects and organize your code in maintainable way. Hands-on labs includes following topics: 1, Deal with dependency management by using RequireJS 2, Structure your code with MVC solution Backbone 3, Handle client-side templates by using Handlebars 4, Create responsive UI with JQuery Mobile 5, Implement simple communication between the modules by using pub/sub A final challenge will be put above things together to build a demo hybrid mobile application based on IBM mobile first platform V7.0

## ***M239 - Fun with the Internet of Things***

*Speaker: Leo Davison - IBM MessageSight Software Engineer - IBM*

In this lab you will gain first hand experience using the industry standard messaging protocol for implementing efficient and reliable communication between connected devices: MQTT. You'll use IBM Internet of Things offerings to provide the messaging backbone for real-time multiplayer features in a browser based game.

## ***M262 - Enterprise Mobile Security Considerations and Recommendations***

*Speaker: Bouna Sall - Mobile Architect - IBM Software Services for Mobile*

With the mobile revolution in full swing, security has become a major focus for companies opening their back-end resources to mobile users. This session covers the different aspects of mobile platform security and helps identify security vulnerabilities. It also provides guidance on how the IBM MobileFirst Platform Foundation can help address these issues, either directly or with add-on products to ensure a secured enterprise mobile infrastructure. It is not intended to give detailed information about each security feature. We look at the four major components of a mobile environment and give security recommendations that cover an end-to-end MobileFirst solution, ·The MobileFirst Server hosted in the enterprise network and the data processed therein ·The MobileFirst client application running on the mobile device ·The mobile data in transit ·Mobile Device Management and device security

## ***M366 - Detecting Customer Struggle via Unresponsive Mobile Gestures in Tealeaf?***

*Speaker: Omar Hernandez - Senior Software Engineer - IBM*

Ever lose customers, because they struggle through using your web, native mobile or hybrid mobile application? Get an overview of how we detect gesture patterns that indicate unresponsive gestures that will give you answers now. We will go through what is needed to implement a solution in your application and how to get up and running with customer struggle detection.

## Track 2: Smarter Process

### ***S37 - 40 European Smarter Process Business Partner assets***

*Speaker: Sunil Aggarwal - 40 Smarter Process Business Partner assets - SWG*

This session will highlight 40 European business partner assets which have been built on top of IBM's Smarter Process technology. These fall into industry, technology and horizontal categories. We will spend some time showcasing how each can speed up new deployments and enhance Smarter Process solutions.

### ***S43 - User Interface Choices for IBM's Mobile Smarter Process***

*Speaker: Paul Pacholski - Smarter Worldwide Process Technical Sales Lead - IBM Canada Laboratory*

A phone or tablet may be the preferred device for process participants who need to launch processes, see the team's pending work, or claim and work on tasks. In this session you will learn about key technical considerations for exposing your BPM processes to mobile devices. Specifically you will learn: how IBM BPM leverages responsive user interfaces, where the style and layout respond to the available screen size and native device capabilities; how to truly deliver on the "write once, run anywhere" promise, producing BPM user interfaces that can run across phones, phablets, tablets, laptops, and desktop monitors; and how to integrate with IBM MobileFirst to produce Web, Hybrid and native Mobile Apps that interact with your BPM processes.

### ***S44 - Smarter Process for SAP - Technical Capabilities and Value Proposition***

*Speaker: Paul Pacholski - Smarter Worldwide Process Technical Sales Lead - IBM Canada Laboratory*

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

### ***S46 - Simulating business processes with IBM Process Designer (BPM)***

*Speaker: Roland Peisl - bpm customer support engineer - ibm systems*

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. Even further: Historical data can be compared with simulation to verify if plans are met, or to enhance test plans before going into production. The session focus on IBM Process Designer's (part of IBM BPM v85) simulation and optimization capabilities.

## ***S64 - Delivering and Extending the Smarter Process Value Proposition with Hybrid Cloud***

### *Speakers:*

*Paul Pacholski - Smarter Worldwide Process Technical Sales Lead - IBM Canada Laboratory*

*Ryan T. Claussen - Smarter Process Special Forces - IBM*

Extending BPM processes to Hybrid Cloud environment offers a significant value proposition to IT by accelerating the development and to business users by offering unique to cloud social and analytics cloud services. One of key Hybrid Cloud enables for BPM process is Bluemix. Bluemix services like workflow and rules offer new capabilities to quickly deliver business value that reflects and extends the Smarter Process approach. This session will overview these new Bluemix services and will lay out application architectures that highlight where they can be leveraged. Born-on-the-cloud business applications are one pattern. Extending traditional smarter process applications by leveraging the new cloud capabilities is another. These two key application architectures will be detailed. Examples will be provided so that attendees can clearly see their way to delivering business value at an increased velocity and with an increased fidelity by leveraging these new cloud services.

## ***S102 - Overview of New Capabilities in IBM Business Process Manager v8.5.6***

### *Speakers:*

*Paul Pacholski - Smarter Worldwide Process Technical Sales Lead - IBM Canada Laboratory*

*Dieter König - Senior Technical Staff Member, IBM BPM - IBM*

We have improved enterprise quality of service by introducing new migration facilities, platform management and a variety of architectural and usability improvements. New case management enhancements include better support for BPM/ECM integrations and the ability to link cases and process instances. Federated Portal infrastructure supports migration and isolation scenarios and allows our customers to massively scale their BPM environments. Additional capabilities have been added to allow customers to integrate Mobile UI with their business processes. Find out about these new IBM BPM 8.5.6 capabilities. Learn about the key use cases for these capabilities and their value for the IT and the business user.

## ***S119 - IBM Business Monitor: IBM Business Monitor: An introduction, example of use and demonstration***

*Speaker: Ralf Bracht - Software Architect - IBM*

Business Activity Monitoring (BAM) allows you to monitor end-to-end business processes in near-time that span across multiple systems and even across the boundaries of your own organization. IBM WebSphere Business Monitor provides business users customizable dashboards, business KPIs and access to current and historic business data in order to support strategic decision making as well as detection of long-term trends with predictions for the future. In this session, we will explain the basics and principals of IBM Business Monitor, discuss a example of usage and provide insight with a demonstration.

## ***S139 - Smarter Process: Technical Strategy Directions***

*Speaker: Eric Herness - Smarter Process CTO - IBM*

In this session, future technical topics being explored by the Smarter Process CTO team will be outlined. A few of these topics will then be further detailed. Topics include Process Federation Server, Docker, Hybrid Cloud patterns and Smarter Process API directions. Each of these topics has a current state in the portfolio today as well as a goal state which will be pursued as the product evolves. Current solution architectures built with generally available features can be improved by having some insights into the architectural evolution of the portfolio.

## ***S147 - IBM ODM on Cloud : now you can model, author, govern, test, deploy and execute Decision Services on the Cloud!***

*Speaker: Nicolas Sauterey - IBM ODM Chief Architect - IBM*

IBM ODM provides a collaborative, role-based toolset and runtime to capture, automate, and manage frequently occurring, repeatable rules-based business decisions services. By popular demand, IBM ODM lands on the Cloud with a self service, out of the box, preconfigured development, governance, runtime environment, called ODM on Cloud, fully operated by IBM. This session will present the service capabilities, from user and role management in the Cloud, to modelling, authoring, governance, and execution of ODM decisions, as a service.



## ***S148 - Unlocking business decisions using Operational Decision Manager***

*Speaker: Mark Hiscock - Lab product management - IBM*

What are Business rules? ..... Business rules have existed as long as applications programs have been written. They are expressed via a series of decision statements such as IF-THEN-ELSE. They describe, constrain, or control some aspect of your business. In the past the 'business rules' were locked away deep within individual application code meaning applications need to be altered and recompiled. But what about 'externalizing' 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 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 from a simple COBOL copybook starting point, through to application execution, illustrating the business benefits of Business Rules working together with two different applications, each utilising the same generated ruleset. You will learn how ODM's three components; a Windows Eclipse based 'Rule Designer', Rule Execution Server ( running on z/OS ) and Decision Center ( running on zLinux) interact This lab will take the attendee through the following : (1). Generate an ODM rule project working with a sample copybook invoking the new functions of Decision Engine & Decision Services (2). Populate the rule project into zRule Execution Server and Decision Center (3). Deploying and testing a CICS and Batch Application to invoke the rule project (4). Review feature / function of the zRule Execution Server console like Statistics and Decision Warehouse (5). Amend, Deploy & Test a rule via Decision Center 'Business Console' rather than using Rule Designer

## ***S154 - Detect situations and enable personalized interactions in real-time: An IBM ODM Advanced Deep Dive***

*Speaker: Alain Neyroud - Program Director - IBM ODM - IBM*

Digital transformation of your business starts with making the most of available data to enable personalized interactions with your customers. Learn how the ODM team is addressing the challenges of making the right decision for each customer, at the right time and place, based on complex correlated sequences of events, business entities, analytics and predictive models. Decision Server Insights – part of ODM Advanced – allows business logic to move far beyond traditional stateless decision making, unlocking new use cases, while retaining the ease of use and declarative nature of business rules. This session provides a technical overview of Decision Server Insights, describes targeted use cases and presents some initial best practices.

## ***S184 - Fit for Purpose: Authoring Guidance for Optimized IBM BPM Implementations***

*Speaker: Ryan Claussen - Smarter Process Special Forces - 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.

## ***S191 - High Availability and Disaster Recovery with IBM BPM***

*Speakers:*

*Chris Richardson - Lead Architect: IBM BPM Robustness - IBM*

*Ralf Schmauder - IBM BPM Development & Architecture - IBM*

IBM Business Process Manager allows automated execution of mission critical business processes. Outages due to unplanned hardware or software failures can undermine the success of any IBM BPM project. In this breakout session we will examine the core concepts supporting High Availability and Disaster Recovery for IBM BPM, common problems in HA & DR design and strategies for overcoming them. We will also discuss recent work to extend the scope of HA & DR capability with IBM BPM.



## ***S192 - Scalability and Capacity Planning with IBM BPM***

### *Speakers:*

*Chris Richardson - Lead Architect: IBM BPM Robustness - IBM*

*Patrick Gunia - WebSphere BPM Development - IBM*

Successfully scaling out an IBM BPM solution requires planning and coordination across the entire process application development team. It can be a challenging task, but there are techniques that can be used to scale out to very high volumes and also to monitor resource consumption once an application is released to production in order to plan for future capacity. In this breakout session we will discuss the methodology that systems analysts within the IBM BPM performance team use to measure and improve the efficiency of the engine that executes business processes as well as common practices that BPM customers use to scale their own solutions out.

## ***S195 - BPM on Cloud Overview***

### *Speakers:*

*Peter Juberg - Smarter Process Solution Architect - IBM Technical Sales*

*Richard Duggan - BPM on Cloud Architect - IBM Toronto Lab*

Learn about IBM's BPM on Cloud offering and how to use it accelerate your BPM projects. Did you know you could have a full lifecycle production ready BPM environment provisioned in 24 hours? This session will introduce you to BPM on Cloud and discuss the typical use cases of this offering. Welcome to the world of cloud-based BPM.

## ***S199 - How to leverage recent rule management innovations in IBM ODM***

*Speaker: Alain Neyroud - Program Director - IBM ODM - IBM*

IBM Operational Decision Manager (ODM) is the market leader for operational business rules management and execution. Many significant innovations and new features have been progressively introduced during the past years: decision service projects, decision engine, built-in governance, Business Console, business driven simulation and others. Some of these features are replacing or improving older features. This session will describe the new happy path in IBM ODM and its associated benefits. The session will also include migration considerations to leverage these new capabilities with existing ODM decision services.

## ***S203 - Hands-on lab: Performance analysis and tuning of Business Process Manager***

### *Speakers:*

*Patrick Gunia - Software Engineer, PhD - IBM*

*Florian Biesinger - Software Engineer - IBM*

Performance tuning is a non-trivial but highly relevant task when it comes to high loads on IBM BPM. Attendees will learn how to run performance tests on an IBM BPM infrastructure and how to analyze the outcome of those runs. They will be confronted with IBM BPM servers that are misconfigured in regards to most common pitfalls seen in the field. Knowing the tools that help to identify those issues is key to successfully tune IBM BPM for optimal throughput.

## ***S269 - Boosting business process modelling - Adopting an Information-Centric Approach***

### *Speakers:*

*Markus Siebert - Solution Architect - IBM Deutschland GmbH*

*Joerg Rehr - Principal - Master Data Management - IBM Deutschland GmbH*

Most BPM projects follow the conventional approach of business process modeling by focusing on activities - data comes second. This is fine for processes and of convenient scope. However, the more complex the process and especially in environments where authoritative data stores come into play, then data has to be taken into account much earlier to reduce risk of misalignment and increase the chance to succeed. Combining activity-centric and information-centric business modeling will boost your progress while leading to a process decomposition that satisfies the data requirements. We will share our experiences based on developing business processes against a Master Data Management (MDM) system.

## ***S277 - From application development to maintenance: Take-over of BPM applications by maintenance teams***

*Speaker: Ralf Bracht - Software Architect - IBM*

BPM applications typically are developed using an agile methodology; that means focus on collaboration and as little as possible documentation. But like all other IT applications, process applications and toolkits need to be taken over by maintenance teams after testing and roll-out. The session first presents the requirements and constraints when transferring BPM applications into maintenance. We then present an appropriate approach for maintenance take-over. This includes developer shadowing, skill transfer sessions, creation of proper application documentation, guided exercises, and more. Moreover, many issues in the maintenance phase can be avoided by using a strict implementation style in the development phase. In the session we will therefore also introduce appropriate BPM development guidelines and design documentation. We show how quality assurance can be applied and quality gates can be defined to ensure and improve quality metrics and KPIs. Finally we discuss lessons learned from real customer projects, present common issues, and suggest best practices.

## ***S285 - Workflow in Bluemix: Easily compose REST, Push, OAuth into stateful Workflows***

*Speaker: Ralf Schmauder - IBM BPM Development & Architecture - IBM*

Workflows in Bluemix allow to build long-running stateful event-driven programs easily. Connect multiple apps and multiple users by push notifications, integrate REST services and handle OAuth authorization including refresh easily and transparently. This session introduces the Workflow service, shows how to develop, deploy and test workflows, and how to connect apps, users, and REST services, including OAuth. We use a combination of slides and hands-on demo to give you a solid background and first hand impression of the new Bluemix workflow capability.

## ***S342 - Why some BPM implementations strive, while others struggle***

*Speakers:*

*Ralf Bracht - Software Architect - IBM*

*Andy Garratt - Senior Consultant - IBM Systems Middleware Services*

It's human nature to want to experiment and learn by ourselves. But this can be costly especially in the context of multi-million-dollar or Euro initiatives which are critical to accelerate the digital transformation of your organization. Another approach is to leverage lessons that others have drawn from their own successes and challenges. However, this requires not only to know them but also to have the discipline to apply them at the right time. In this session, we will talk about common patterns and anti-pattern which we collected from being involved in hundreds of projects, and discuss why some lead to successful implementations and programs while others are seen in troubles projects. In particular, using real-life examples, we will comment on the importance of:- applying agile techniques with discipline;- recognizing the different functions required to make adoption programs successful;- defining iterations to deliver tangible business value incrementally;- accessing and harvesting best practices and applying them consistently with method;- selecting the right paradigm or software capability depending on the context (fit-for-purpose).

## ***S349 - Accelerate your mobile time to market by developing IBM BPM web apps or hybrid apps***

*Speaker: Thalia Hooker - Worldwide Tech Sales, Mobile Smarter Process - IBM*

The three mobile application types for BPM are: 1) web app, 2) hybrid app, and 3) native app. In this hands-on lab, you will get hands on development for a web app and a hybrid app. By developing once, a web app that uses the same user interface across multiple form factors, this saves development and maintenance cost across your organization. Develop hybrid apps using IBM BPM and IBM MobileFirst for more device specific user interface requirements. Reduce development of your hybrid app by generating app-specific IBM BPM MobileFirst adapters via wizards and generate MobileFirst projects from IBM BPM coaches.

## ***S351 - Support mobile offline task completion for IBM Business Process Manager***

*Speaker: Thalia Hooker - Worldwide Tech Sales, Mobile Smarter Process - IBM*

In this lab, you will learn an approach to support mobile offline task completion for IBM Business Process Manager (BPM). You will get hands-on experience developing a mobile app to support offline task completion.

### ***S351 - Support mobile offline task completion for IBM Business Process Manager***

*Speaker: Thalia Hooker - Worldwide Tech Sales, Mobile Smarter Process - IBM*

In this lab, you will learn an approach to support mobile offline task completion for IBM Business Process Manager (BPM). You will get hands-on experience developing a mobile app to support offline task completion.

### ***S352 - Top Practices to Ensure a Successful IBM Business Process Manager Migration***

*Speaker: Brian Petrini - Senior Product Manager - IBM*

Proper planning and following some of the top practices are key to ensure a successful upgrade and migration of BPM system. In this session, we will talk about how to plan an easier and quicker migration, including a comprehensive consideration and plan based on your source environment, validations before migration, handle special requirements when move to a very different target environment, estimate your migration window and evaluate the business impact, plan your tests on regression and new features etc. Also we will introduce migration utility key improvements in BPM v8.5.x which can significantly reduce your migration failure, downtime and post-migration actions.

## Track 3: Cloud

### ***C20 - From IoT device to actionable insight in real time - build an end to end solution in IBM Bluemix***

*Speakers:*

*David Carew - IT Architect - IBM Cloud*

*Paul Reeves - IT Architect - IBM S&D*

Internet connected heart monitors allow the real-time collection of critical data. This hands on lab , inspired by an actual Proof of Concept, shows attendees how to build a Bluemix application that collects streaming heart data in a Hadoop cluster and then analyzes it using Spark (in conjunction with a predictive model built with SPSS modeler) to identify patients with a high risk of heart failure. The application will utilize several Bluemix services including NodeRed, IoT Foundation, Predictive Modeling, and IBM Analytics for Hadoop.

### ***C31 - Improve developer productivity with Docker and Chef on PureApplication System***

*Speakers:*

*Markus Keppeler - Senior IT Specialist - IBM Systems Middleware*

*Georg Ember - Senior IT Architect - IBM Systems Middleware*

Docker technology and Chef is changing the way applications are delivered, enabling composable, agile development and providing DevOps professionals the ability to move applications in hybrid cloud environments. You will learn how you can benefit from these technologies and use thousands of Chef recipes or Docker containers available. After an overview of containerization and Docker, Chef, the session will demonstrate how quickly you can get an application up-and-running with a WebSphere Application Server image. We will also explore use cases for using Docker and Chef content in IBM PureApplication System, such as deploying Docker images with orchestration via pattern, using Chef recipes to configure middleware and applications.

### ***C36 - A DevOps Strategy with PureApplication***

*Speakers:*

*Markus Keppeler - Senior IT Specialist - IBM Systems Middleware*

*Georg Ember - Senior IT Architect - IBM Systems Middleware*

DevOps is no longer a buzzword used by Development and IT Operations teams, it is a major initiative driven in most companies by executive management. You ask yourself why? It is because the optimization of delivery of new capabilities to internal and external clients is directly related to innovation, marketplace differentiation and new revenue generation. It has a huge impact to the company's business. In this session we will explain why PureApplication is an essential part in a DevOps Strategy and how it integrates with Collaborative Lifecycle Management tooling and Application Release Automation solutions to reduce cost and speed delivery as an integrated IBM Cloud solution.

### ***C80 - z Systems bold new Cloud Strategy***

*Speaker: Al Grega - z Systems Middleware - IBM Systems*

IBM Mainframes have been acting as private cloud systems for over 35 years when IBM's Virtual Machine operating system came to market. Over 15 years ago Linux was introduced, and this year cloud patterns based on CHEF. This session will dive into IBM's Cloud strategy on z Systems, and then discuss how this standards based technology can provision z Systems Linux resources in minutes, and then rapidly deploy new pattern workloads. IBM Custom Patterns for Linux on z Systems, IBM Cloud Manager with OpenStack, and IBM UrbanCode Deploy with Patterns will all be discussed and positioned.

### ***C85 - CICS TS V5: WYKTK about CICS Cloud***

*Speaker: Chris Hodgins - CICS Development - IBM UK*

Putting CICS into the cloud, is someone actually doing this? Since 2012 CICS TS Version 5 has been introducing and continuously enhancing its capabilities to support a Platform As A Service approach. Join speakers from CICS Technical Sales to hear about their experiences and how their customers gained value from cloud capabilities in CICS.

### ***C121 - Castles in the Sky?***

*Speaker: Scott Simmons - Senior Cloud Advisor - IBM*

The session will discuss the salient aspects we see as Application Platforms are moving to the Cloud "Age of Aquarius". The presentation will provide an overview of the trends we are seeing in cloud applications e.g. DevOps, Containers, Microservices, and 2 speed integration. It will then discuss the challenges that we are seeing in developing, deploying and managing applications in the cloud (NFRs, performance, etc) with a focus on options and alternatives for applications e.g. CCRA. The final area will be an examination of how organizations are changing in terms of technology, business aspects using client examples.

### ***C122 - Building the Perfect Cloud***

*Speaker: Scott Simmons - Senior Cloud Advisor - IBM*

The presentation will focus on architectural aspects in building out a cloud ecosystem. The discussion will begin with a brief review of on prem, off prem and hybrid architectural alternatives and discuss the relative pros/cons of each approach. We will focus on IBMs work in the development of the CCRA and overall alignment with CCSC (Cloud Standards Customer Council) and standards bodies e.g. Docker, Open Stack, Cloud Foundry. We will conclude with a discussion on the leading practices we are seeing from clients hat clients in terms of adoption and approach.

### ***C123 - Banking on the Cloud***

*Speaker: Scott Simmons - Senior Cloud Advisor - IBM*

This presentation will focus on the emergence of cloud in the banking and financial markets industries. Given the regulatory issues worldwide in terms of BASEL, AML, Data Sovereignty - we are seeing a shift toward innovative uses of cloud in particular application of PaaS and hybrid strategies for cloud architectures. The presentation will discuss challenges in the financial markets and offer guidance in cloud adoption and evolution based on those challenges.

### ***C135 - Software defined patterns - the secret sauce to deploy and manage complex application environments***

*Speaker: Georg Ember - IT Architect - IBM Software Group*

In this session we will show how IBM PureApplication patterns (and other SDE patterns) will help clients to consistently deploy, maintain and monitor complex application environments, even in a hybrid cloud environment. A special focus is given on a comparison to other pattern technologies (OpenStack HOT, TOSCA, Docker, Blueprints) and software defined environments used in the cloud computing market.

### ***C136 - Hands-on Session : Deploying Liberty Patterns and Liberty Docker Images on PureApp Service***

*Speakers:*

*Georg Ember - IT Architect - IBM Software Group*

*Lars Besselmann - IBM Certified IT Specialist - IBM*

Hands-On Lab Session how to deploy WAS and Liberty patterns and Liberty Docker Images on IBM PureApplication Service on SoftLayer.

### ***C137 - Hybrid Cloud - PureApplication Service for DevOps with WAS Liberty - Experiences at a (non) typical client project***

*Speakers:*

*Georg Ember - IT Architect - IBM Software Group*

*Lars Besselmann - IBM Certified IT Specialist - IBM*

In this session we will present the benefits and technical value of IBM PureApplication Service with DevOps for WAS Liberty and the experiences made in a client project. We will show how we implemented PureApp Service, Liberty and UrbanCode UDeploy in a client project and set up a hybrid cloud by connecting the PureApp Service instance to a client Data Center.

## ***C208 - Learn a simplified way to deploy MobileFirst Platform using PureApp Patterns of WAS Network Deployment template***

*Speaker: Premananda Mohapatra - IBM*

This hands-on session will introduce participants to PureApp pattern for MobileFirst. Participants will be able to quickly deploy MobileFirst on PureApp Service hosted on SoftLayer and will appreciate the time and effort savings of these deployments. Patterns take away the days/weeks of manual work involved for configuration of complex systems and make them into repeatable, reliable and timesaving steps. The session will explain the MobileFirst Platform Websphere Application Server Network Deployment template which comprises of IBM Http Server, Deployment Manager with base scaling, MobileFirst Platform DB and a custom node for port management. The purpose of each nodes will be explained so that participants can understand the underlying complex system. This WASND template simplifies the deployment and configuration of the underlying software and is loaded with a default starter mobile app. The session will explain how to include a new application runtime and adapter with the pattern and also discuss the base scaling options provided to make it a high capacity production deployment. Once the application is running, participants will be led through various management tools to understand memory, CPU utilisation, I/O performance, logging and Operations parameters to tweak various autoscaling and logging options. These tools allow an administrator to gain an accurate and insightful picture of running of underlying hardware. The hands on session will be comprised of the following parts

1. Introduction to PureApp patterns
- a. Examples of Pattern provided by IBM
- b. Examples of Patterns provided by Business partners and industry
2. Introduction to MobileFirst Platform
3. Discussion of MobileFirst Platform patterns involving Liberty Profile and WAS patterns
4. Detailed discussion of MobileFirst Platform 7.1 new pattern on WAS Network Deployment
5. Demo of PureApp Service on SoftLayer
6. Creation of pattern and deploying to create a pattern instance
7. Working with the MobileFirst console and peeking into the application runtime and adapter
8. Monitoring the running instance to get detailed information on memory, CPU, I/O and logging

## ***C219 - Docker and PureApplication Patterns: Better Together***

*Speakers:*

*Hendrik van Run - Executive IT Specialist - IBM*

*Joe Wigglesworth - Senior Technical Staff Member - IBM*

Interest in deploying software using Docker containers has been growing very quickly. Clients are hearing all the "buzz" around Docker and beginning to investigate how they can take advantage of this new technology. In the latest v2.1 release of IBM PureApplication, support has been added that allows clients to easily create patterns that deploy Docker containers as software components using the pattern editor. Now clients can build upon the skills they already have with patterns and easily add Docker containers. Because the new support for Docker is integrated with the existing patterns, the new technology can be added incrementally at a pace that makes sense for the customer's business. There is no need to "start all over again" in order to exploit Docker.

## ***C246 - The Bluemix Triple Threat: Cloud Foundry, Containers, and Virtual Machines***

*Speaker: Ram Vennam - Developer Advocate - Bluemix - IBM*

Bluemix is pushing the envelope on what is possible with cloud computing. From its infrastructure as a service OpenStack implementation to its Docker-based container solution to its 100+ services, Bluemix is revolutionizing application development and deployment on the cloud. See how easy it is to integrate Watson services into a Node.js application, deploy your Docker containers and applications, and create virtual machines to run your applications.

## ***C257 - IBM PureApplication System - Product Update and Roadmap***

*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 recent product updates: the delivery of PureApplication Software, the integration of Docker and Chef and more. Finally, the attendees 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.



## ***C258 - IBM Bluemix Local - a cloud platform for your datacenter***

*Speaker: Andre Tost - Senior Technical Staff Member - IBM*

In this session, we will introduce you to a new offering that brings IBM's cloud computing platform Bluemix to your own datacenter. This new delivery model is based on open standards like Openstack and Cloud Foundry, and supports a fully portable, hybrid application deployment model in conjunction with IBM's public Bluemix offerings. Besides giving an architectural overview, we will go through the technical details of what a "Bluemix Local" deployment entails, the supported platforms and tools as well as the operational model it introduces. We will also give a demo of a real environment.

## ***C276 - IBM Containers***

*Speaker: Marisa Lopez de Silanes - Information developer - IBM*

IBM Containers (based on Docker) is one of the options that you can use in IBM Bluemix (IBM's platform-as-a-service) to host and run your applications. As a developer, you can build your application in any language, with any programming tools, deploy it into a docker container, and run it on-premise or in cloud without having to rewrite and redeploy the application in different environments. Come along to this session to learn about IBM Containers and the advantages of adopting containers as part of your cloud strategy. Find out about the latest news and learn how to create a new generation of portable distributed applications.

## ***C278 - IBM Containers Beginners Workshop***

*Speaker: Marisa Lopez de Silanes - Information developer - IBM*

BM Containers (based on Docker) is one of the options that you can use in IBM Bluemix (IBM's platform-as-a-service) to host and run your applications. Come to this lab to learn how to use IBM Containers. The lab is divided into 4 sections: 1) How to create a container in IBM Bluemix graphically. 2) How to create a container through the command line. 3) Push an image into the private Bluemix repository by using the command line. 4) Update an image from the private Bluemix repository.

## ***C279 - IBM Containers DevOps workshop***

*Speaker: Marisa Lopez de Silanes - Information developer - IBM*

BM Containers (based on Docker) is one of the options that you can use in IBM Bluemix (IBM's platform-as-a-service) to host and run your applications. Come to this lab to learn how to use the delivery pipeline with IBM Containers. The lab is divided into 3 sections: 1) Create a container by using the delivery pipeline. 2) Bind a service to a container by using the delivery pipeline 3) Create a deployment stage for a container by using the delivery pipeline.

## ***C280 - Virtual machines in IBM Bluemix***

*Speaker: Marisa Lopez de Silanes - Information developer - IBM*

Virtual machines is one of the options that you can use in IBM Bluemix (IBM's platform-as-a-service) to host and run your applications. They offer the most control over your applications and middleware. IBM Bluemix uses industry-leading OpenStack software to run and manage virtual machines (VMs) in a public cloud, a dedicated cloud, or your own on-premises cloud. Key OpenStack services such as Auto Scaling, Load Balancing, and Object Storage can be used in conjunction with Bluemix services to build and run hybrid applications. Come along to this session to learn about Virtual Machines in Bluemix and the advantages of adopting virtual machines as part of your cloud strategy. Find out about the latest news and learn how to create a new generation of portable distributed applications.

## ***C281 - Microservices in Bluemix***

*Speaker: Marisa Lopez de Silanes - Information developer - IBM*

In IBM® Bluemix™, microservices are individual applications that can run on Cloud Foundry, IBM Containers, and virtual machines. Microservices talk using REST (Representational State Transfer) or messaging services, are loosely coupled, and benefit from the infrastructure capabilities provided by the cloud environment. Come along this session to deep dive into microservices and learn how to use them in your applications by using the service-discovery service in Bluemix. The service-discovery service provides the tools to register, manage, and monitor the health of microservices running in your cloud environment.



### ***C344 - Building IoT-enabled applications.***

#### *Speakers:*

*Orlando Rincon - Software Engineer - IBM*

*Victor Sosa - Software Engineer - IBM*

The world is becoming so interconnected that sensors and measuring devices are becoming widely popular to retrieve data for personal uses giving users the real-time information they need to react in the right way at the right time, It's estimated that by 2020 there will be up to 50 billion IoT devices connected. Moreover, with the advent of Mobile devices, the usability of such information is as relatively simple as just notifying the user through his mobile device. SimpleLink SensorTag by Texas Instruments is a relatively low cost IoT-ready device designed for early adopters and IoT enthusiasts to start experimenting. It has sensors for different purposes: Infrared termophile temperature, 9-axis motion, altimeter/pressure, ambient light, magnet and humidity sensors. It works under Bluetooth Low Energy technology supported by Bluetooth 4.0 and is compatible with Beacons and Bluetooth Smart. The battery consumption is so low that you can use a coin cell battery which is able to run the device up to a year of continuous usage. Also, it provides good expansion packs for hardware and embedded software engineers. The Texas Instruments BLE mobile application allows you to quickly put the data gathered by these sensors right onto the IBM IoT Foundation cloud. IBM Internet of Things Foundation provides a centralized access point to hook IoT devices. It is a self-managed, cloud-hosted service where users can register, manage, communicate to and store data gathered from devices in a secure, responsive and scalable way. Used alongside with IBM Bluemix, IoT Foundation provides an easy but powerful access to applications hosted in Bluemix to IoT devices and data, making your applications more accurate at receiving real-time information. In this workshop, the attendee will learn how to connect an IoT device to the IBM IoT Foundation (running on IBM Bluemix) to retrieve its data and push notifications to the user when selected events occur. A mobile / web application, that displays relevant information to the user, and a Bluemix application, running the backend and gathering the data from IoT Foundation, will be developed using IBM Rational Application Developer.

### ***C372 - Bluemix core platform -- Technical overview***

*Speaker: Andre Tost - Senior Technical Staff Member - IBM*

Bluemix is IBM's cloud platform for composing and running applications. This session will provide a technical overview of the Bluemix core platform, its capabilities, how they can be used in support of creating and operating applications. This includes architectural principles important for applications on Bluemix, foundational functions of the platform, features enabling team-internal collaboration, scaling and monitoring apps, recommended approaches for how to update apps running in production, etc.

### ***C373 - Capturing in the cloud with IBM Tealeaf's Packet Forwarder - Configuration, Performance and Limitations***

*Speaker: Kanwaldeep Bindra - IBM Senior Software Engineer - IBM Tealeaf Engineering*

Traditionally, the capture point for IBM Tealeaf's products has been located OnPremise but with the push towards cloud hosted services, customers are demanding the capability to capture in the cloud. IBM Tealeaf released the Packet Forwarder, a light weight software package that runs on the server hosting the Web Server/Web Application. It is designed to access all traffic to/from the Web Server/Web Application and forward it to a IBM Tealeaf Passive Capture Appliance (PCA) for capture. The design, configuration, performance implications for the Web Server/Web Application and limitations of the Packet Forwarder will be presented.

### ***C379 - Achieve a Digital Transformation with IBM Middleware SaaS and Cloud offerings***

#### *Speakers:*

*Justin L Youngblood - VP, IT Service Management offerings - IBM*

*Marco Barcella - Program Director - IBM Smarter Process*

Driven by forces of cloud, mobile and big data, organizations are undergoing a digital transformation. Digital disruptors are reinventing their IT operations, development and business processes to outperform their peers across every industry: banking, retail, manufacturing, government, etc. IBM Middleware SaaS and Cloud offerings are designed to accelerate your transformation, while meeting you where you are today and leveraging your existing investments. In this session, you will learn how IBM offerings can help you: 1. Extend existing Middleware offerings with SaaS and Cloud services 2. Embrace devops and agile to accelerate transformation 3. Reinvent processes for ecosystem participation in the API economy 4. Optimize decisions with analytics-based insights from your operations 5. Deliver adaptive personalized experiences to better engage your customers and end users

# Track 4: Application Infrastructure | Experience Platforms and Solutions

## ***A7 - The Open Standard for Java Batch: JSR-352 in detail***

*Speakers:*

*David Follis - WebSphere Java Batch Architect - IBM*

*Lars Besselmann - IBM Certified IT Specialist - 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 go into the details of the specification from an application development perspective. We'll also look at some of the operational extensions IBM has made to the standard as part of the implementation WebSphere Liberty.

## ***A13 - Making Sense of the madness around Security Tokens***

*Speaker: Bill O'Donnell - Middleware Chief Security Complaint Officer - IBM*

Today we have a lot of "standard" security tokens, formats and protocols, such as OAuth, SAML, OpenID, OpenID Connect, SPNEGO, and so on. Why so many? What are they? Which one(s) do I really need? During this presentation we will examine these questions to establish a basic level of understanding on what these tokens are and how can they can be used in your organization.

## ***A14 - What new in WebSphere Application Server Security and cloud readiness***

*Speaker: Bill O'Donnell - Middleware Chief Security Complaint Officer - IBM*

This session will focus on new security capabilities delivered in the IBM WebSphere Application Server Full profile and Liberty profile, which are now available for both traditional and cloud-ready applications. In addition, the WebSphere development organization will be looking to gain feedback from attendees on security features that IBM should consider for future WebSphere versions.

## ***A16 - Preventing the Security Vulnerability Bug: Follow the Path to Security Through Disciplined Code Development***

*Speaker: Bill O'Donnell - Middleware Chief Security Complaint Officer - IBM*

We have seen a lot of Security Vulnerability bug poses the gravest security challenges to any enterprise. We will discuss industry best practices and how to mitigate infection risk with proven IBM software assurance practices. Learn how to recognize the key points of Open Trusted Technology Provider Standards and come away from knowing how to best defend your technology from these bug.

## ***A24 - What could you do with some extra Cache?***

*Speakers:*

*Kevin Postreich - WW Technical Sales Specialist fro WebSphere - IBM*

*Joseph Piezuch - IBM*

Don't let the internet break your website! IBM WebSphere eXtreme Scale provides a flexible framework for implementing a range of in-memory datagrid and distributed caching solutions to scale your applications for the internet. In this session, we will show demos how your business can benefit from some extra cache using high value caching patterns, including HTTP session replication/fail-over, side-cache, in-line cache, cache pre-loading, and mobile integration. This means that your customers will get faster response time!! Let's discuss how elastic caching can be used across the WebSphere portfolio to improve performance, scalability and high availability thru a series of proven integration patterns.

## ***A68 - How to harden your WebSphere environments from hackers, thieves and spies.***

*Speaker: Brian S Paskin - Senior Software Architect - IBM, WebSphere R&D Services*

In an age of major data breaches, it is important to take security seriously. In this session, we will explore how to harden WebSphere Application Server Full and Liberty so that your systems remain safe and secure. We will discuss how to secure the operating system, network, application layers, and utilize features built into WebSphere so only authorized people or systems have access while not divulging too much information.

## ***A113 - Top 10 Tuning recommendations for WebSphere Classic & Liberty***

*Speaker: Surya V Duggirala - STSM, Cloud and WebSphere Performance - IBM Systems Group*

WebSphere Application Server is the Industry leader in performance. 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 apart from WebSphere runtime. This session covers both WebSphere Classic as well as Liberty application servers

## ***A114 - Hands on Lab: Diagnostic and Performance Tools for WebSphere Classic and Liberty***

*Speaker: Surya V Duggirala - STSM, Cloud and WebSphere Performance - IBM Systems Group*

This Lab uses many available tools and techniques to diagnose performance problems on WebSphere Classic and Liberty. The Lab explores the PMI statistics which allow the user to monitor the WebSphere environment to ensure that there are no bottlenecks in the system. This lab also looks into JVM diagnostic information such as GC usage, heap dumps, and thread dumps and reviews how various tools like ISA use this data for analysis and troubleshooting performance problems. Finally we'll review some code profiling tools to help identify bottlenecks in the application source code and highlight the new built-in performance tools in WAS Liberty like Hung Thread detection Tool.

## ***A124 - Business Availability during Upgrades of MQ for z/OS***

*Speaker: Neil Johnston - IBM*

This session discusses the recommended actions to take during upgrades of MQ on z/OS. It also discusses clusters and queue-sharing groups and explains how they can be used to provide continuous availability when applying maintenance.

## ***A126 - End to End Security of a z/OS Queue Manager***

*Speaker: Alexander Ross - IBM*

MQ has a wealth of security options. These range from an authentication and audit point for your administration and application connectivity to encryption of data both in transit and at rest. This session takes you through the end to end life cycle of configuring your queue manager to be secure at all stages. Learn how to make your queue manager secure from its initial inception to its final roll out and life in production.

## ***A131 - What's new in the Messaging Family - MQ v8 and more ( z/OS & Distributed)***

*Speaker: Alexander Ross - IBM*

IBM MQ is the world's leading messaging system used by most of the top fortune 500 companies. Millions of messages, worth trillions of dollars, flow through IBM MQ every day. As a result of this success, the product continues to evolve and improve. Constant evolution and development is the bedrock of sustained success and IBM MQ is no exception to this process and has now grown into a family of related products. Come along to this session to hear about the latest updates in IBM MQ V8. Learn about new functions and interfaces. This session provides an overview of the new features but other sessions throughout the week will address these enhanced capabilities in more detail.

## **A142 - WebSphere Authentication Single-Sign-On Solution at Signal Iduna**

*Speakers:*

*Nils Reher - IT Specialist - Signal Iduna*

*Holger Povel - IT Specialist - IBM*

SIGNAL IDUNA has successfully implemented the first Single-Sign-On Solutions for Web Applications using Lightweight Third Party Authentication (LTPA)-Token for authentication against WebSeal; runtime component of IBM Security Access Managers (ISAM). The customer uses WebSphere Application Server Version 8.5.5 as the central platform for Web Applications. In the current solution WebSphere Application Server validates the LTPA-Token and provides the user credentials to WebSeal, thus enabling the Single-Sign-On to the application. The major advantages of the solution from the customer perspective are:- The centralized validation of log-on requests via WAS, - "secure" access to the application after the user credentials have been proven, - ease of use of the "out-of-the-box LTPA-Token authorization for the application development, - integration in different security application frameworks: Spring, Rap, CXF web services- the integration with IBM Security portfolio. Based on the experiences from the first applications, the roll-out of further Web Applications using LTPA-Token is planned. In the session the overall solution approach, as well as the best-practice experiences from the project (e.g. how to convince the application development to switch to a different authentication methods; "quick-wins with LTPA" will be presented).

## **A156 - WebSphere Application Server—Foundation for the Future**

*Speaker: Ian Robinson - Distinguished Engineer, WebSphere Chief Architect - IBM*

While the methods for delivering your applications to the market have changed, the fundamentals have not. You need an infrastructure that meets the demands of developers looking for speed and agility. Customers demand resiliency and integrity at all times. Your systems need to meet varying peaks of demand. Access to back-end systems is critical. Flexibility of deployment (cloud and on-premise) and powerful administration are "must-haves." WebSphere Application Server (WAS) delivers across the continuum of needs your environments require. This session announces the latest in new WAS functions, including JEE7 specs, WebRTC, Java Batch, and much more. No one else delivers a comparable breadth of functions in an app server. Come find out why!

## **A160 - WebSphere Application Server Liberty Profile and Docker: Delivering on the Promise of Containers**

*Speaker: David Currie - Sr Software Engineer, WebSphere App Server Devt - IBM*

Containers promise to provide the ability to take a lightweight image from development and deploy it at high density in production. In this session, you'll see how the combination of WebSphere Application Server Liberty profile and Docker can deliver on that promise. After an overview of containerization and Docker, the session will demonstrate how quickly you can get an application up-and-running with a WebSphere Application Server image, and how a continuous delivery pipeline could be used to take that image through to production—whether on-premise or in the cloud—without the pain of pushing around multi-gigabyte virtual images and without the danger of any more "it works for me" moments.

## **A161 - Migrating Java EE Applications to IBM Bluemix Platform-as-a-Service**

*Speaker: David Currie - Sr Software Engineer, WebSphere App Server Devt - IBM*

Come see what it takes to migrate a typical Java EE application to run in the cloud on IBM's Bluemix Platform-as-a-Service (PaaS) offering. We will begin by considering what applications are a good fit for running on a public PaaS, and what benefits and tradeoffs you should consider. We will then look at what changes may be required to an application, not only from a code and configuration perspective, but potentially from an architectural standpoint as well. We will also consider how an application can bridge the public cloud and the enterprise.

## **A163 - Java Versus Javascript for Enterprise Web Applications**

*Speaker: Toby Corbin - Developer, IBM Runtime Technologies - IBM*

The last few years have seen a huge growth in the usage of JavaScript, to the extent that it is often reported to be the #1 programming language in use today. Additionally, the arrival of server-side JavaScript through frameworks such as Node.js and Ringo.js, and JavaScript on the JVM through Nashorn and Avatar.js, mean that enterprise web applications written in JavaScript are not just a possibility—but a reality for companies such as LinkedIn, eBay, Yahoo, ADP and Dow Jones. This session will compare and contrast the two platforms and describe the advantages of each for deploying, managing and monitoring highly scalable applications. It will also introduce IBM's strategy for building a common ecosystem around the two languages.

## **A164 - Enterprise JavaScript with the IBM SDK for Node.js**

*Speaker: Toby Corbin - Developer, IBM Runtime Technologies - IBM*

Node.js is a server-side JavaScript platform that has seen explosive growth in recent years, and is now one of the most popular frameworks for developing cloud, mobile and Internet of Things applications. This session will offer attendees a simple introduction to the Node runtime environment, with a live code demonstration provided by members of the team that delivers the IBM SDK for Node.js into the Bluemix environment. The presentation will describe and build towards a hybrid cloud application example that includes using Node to access legacy enterprise data from a mainframe. Imagine having the vast data, services and reliability of a mainframe at the heart of your cloud, mobile and IoT network. The possibilities are endless...

## **A165 - Introduction to the IBM Monitoring and Diagnostic Tools for Java and JavaScript**

*Speaker: Toby Corbin - Developer, IBM Runtime Technologies - IBM*

IBM now provides an SDK and runtime for both Java and JavaScript. While the languages themselves share little beyond their names, IBM's approach is to provide a common set of free monitoring and diagnostics tools that apply to both runtimes, reducing the need to cross-skill while continuing to support existing open source and third-party tools. This session introduces those tools, shows how they have been extended with IBM middleware product knowledge and integrated into IBM's development tools, and how to use them either on-premise or in-cloud to investigate and resolve real-world problem scenarios.

## **A166 - Best Practices for Configuring and Managing Large WebSphere Topologies**

*Speakers:*

*Michael Thompson - WebSphere Application Server - Admin Center - IBM*

*Thomas Alcott - STSM Systems Middleware - IBM*

This session covers the latest recommendations for creating and managing a large WebSphere topology. We will discuss how WebSphere components scale with the size of your environment, demonstrate how to configure these components for a large environment, and present the recommended tuning parameters and programming model. Our recommendations will cover both WebSphere full profile with intelligent management, and the Liberty profile.

## **A167 - Auto-Scaling and Dynamic Routing for WebSphere Liberty Collectives**

*Speakers:*

*Michael Thompson - WebSphere Application Server - Admin Center - IBM*

*Thomas Alcott - STSM Systems Middleware - IBM*

Dynamic workloads need the middleware they run on to scale in and out with demand. Come hear about the Auto-Scaling and Dynamic Routing features in WebSphere Liberty that facilitate a dynamic middleware environment. With these features, Liberty clusters scale in and out as demand changes; and web servers automatically discover servers and applications as clusters grow and shrink. Auto-Scaling automatically starts/stops cluster members based on scaling policies. Dynamic Routing dynamically communicates the routing information to the Intelligent Management enabled WebSphere plugin as Auto-Scaling makes scaling decisions. You'll learn how these features work and how to configure them.

## ***A168 - Deploy, Monitor and Manage in Style with WebSphere Liberty Admin Center***

*Speaker: Michael Thompson - WebSphere Application Server - Admin Center - IBM*

The WebSphere Application Server Liberty profile with Liberty Administrative Center provides a browser-based interface for deploying, monitoring, and managing WebSphere Liberty environments, from single servers to large collectives with clusters and auto-scaling. Join us to learn about Liberty Admin Center, its use and future directions. We'll begin by installing Admin Center from the Liberty Repository. Then you'll see Admin Center in action, in both single server and collective environments. Look for the separate Liberty Admin Center customer feedback session at InterConnect 2015 to join in discussions with Liberty designers, architects and developers about future direction and priorities for Admin Center.

## ***A169 - Don't Wait! Develop Responsive Applications with Java EE7 Instead***

*Speaker: Alasdair Nottingham - Liberty Development Lead - IBM*

Tired of waiting for a response? Come and learn about the asynchronous request processing features included in Java EE7 that support development of more responsive applications. A broad variety of topics will be discussed, including the WebSocket API (JSR-356), support for asynchronous I/O added in Servlet 3.1, new JAX-RS 2.0 annotations, and Concurrency Utilities (JSR-236). Attendees will learn how to use these Java EE7 technologies to create dynamic, responsive applications suitable for use in standalone or cloud environments.

## ***A170 - Deploying IBM WebSphere Application Server to the Cloud***

*Speaker: Alasdair Nottingham - Liberty Development Lead - IBM*

Develop and deploy applications faster in the cloud using WebSphere Application Server. Whether it's a web application or an enterprise cloud application, WebSphere Application Server has the right fit-for-purpose cloud environment for your business. Designed for cloud, the WebSphere Liberty profile will unlock developer productivity and achieve high density for production cloud workloads. Eliminate the tedium of managing middleware and infrastructure. Enable IT to more easily and quickly deploy WebSphere-based applications. These ready-to-use capabilities will save you time so you can focus on what you do best—build game-changing software. Come learn about how you can leverage the power of WebSphere Application Server in the cloud.

## ***A171 - Planning for Catastrophe: WebSphere Application Server and IBM BPM Disaster Recovery***

*Speaker: Tom Alcott - Sr Tech Staff Member, WW WebSphere App Infra - IBM*

This session will discuss the architectural and operational issues that need to be considered when planning and implementing a disaster recovery plan with WebSphere Application Server and IBM Business Process Manager (BPM), such as the use of multiple data centers, geographic separation constraints, supporting software and other related deployment issues. In addition, the specific operational steps associated with some common DR scenarios will be outlined. Though focused primarily on WebSphere Application Server and IBM BPM, the material is also applicable to other IBM software products that leverage WebSphere Application Server.

## ***A173 - Preparing to Fail: Practical Guidance on WebSphere Application Server High Availability***

*Speaker: Tom Alcott - Sr Tech Staff Member, WW WebSphere App Infra - IBM*

Whether you need to achieve a High Availability (HA) or Continuous Availability (CA) service level, there are many aspects to consider in deploying and configuring WebSphere Application Server (WAS); such as 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 will discuss all these factors with a focus on application request flow and how to optimally tune your infrastructure for failover, recovery and performance. While the focus will be on WAS Network Deployment, the content will apply to any WAS ND clustering and high availability components and functionality.



## ***A174 - Inspiration to production with Liberty***

### *Speakers:*

*Tim Deboer - WebSphere developer experience lead - IBM*

*Alasdair Nottingham - WebSphere & Liberty Runtime Architect - IBM*

The WebSphere Liberty profile was built with every aspect of the development lifecycle in mind: rapid prototyping, agile team development, and full-scale production on-premise or in the cloud. Come see an application built from scratch all the way to production and hear tips and tricks that put the Liberty profile in a class of its own.

## ***A176 - Introduction to Java EE 7***

### *Speakers:*

*Tim Deboer - WebSphere developer experience lead - IBM*

*Anita Rass Wan - WW WebSphere App Foundation Product Manager - IBM*

Come to this session to learn about the various technology updates in the Java EE 7 family of specifications. Java EE 7 has several new technologies such as WebSockets, Java Batch, JSON-P, and the Concurrency Utilities. In addition, Java EE 7 contains updates to several key existing technologies such as EJB, JPA, CDI, and Servlets. This is a forward-thinking session without regard to specific WebSphere releases.

## ***A177 - WebSphere Application Server Migration: Benefits, Planning and Best Practices***

### *Speakers:*

*Tim Deboer - WebSphere developer experience lead - IBM*

*Anita Rass Wan - WW WebSphere App Foundation Product Manager - IBM*

Learn the aspects of migration, benefits, and incentives. Deep-dive into planning, hear best practices, and review all tool options. Both application and configuration migration aspects will be covered. Learn how to migrate to later versions of WebSphere Application Server, whether it be Full profile or Liberty profile. This session will pertain to WebSphere Application Server versions 6.1 through 8.5.5.

## ***A178 - Agile Development Using Java EE 7 with WebSphere Liberty Profile***

### *Speakers:*

*Tim Deboer - WebSphere developer experience lead - IBM*

*Alasdair Nottingham - WebSphere & Liberty Runtime Architect - IBM*

Java EE 7 enhances and extends the existing Java EE capabilities, adding support for WebSockets, managed thread access, and further extends existing programming models like Servlets and JPA. In this lab you will learn how to use a wide range of these technologies by creating a dynamic web application that uses WebSockets, JPA and the Concurrency Utilities for Java and runs on the WebSphere Liberty profile.

## ***A179 - Application Development with IBM Bluemix***

*Speaker: David Currie - Sr Software Engineer, WebSphere App Server Devt - IBM*

This lab will provide a hands-on introduction to IBM Bluemix. We will guide you through the creation, deployment, and scaling of Java EE and JavaScript applications that use various services provided in the Bluemix environment. Learn how to build powerful applications that consume services like Cloudant, SQLDB, SendGrid, Twitter, Auto scaling, Session Cache and more!



## ***A180 - Liberty Elastic Clusters and Centralized Administration Using Scripting and Admin Center***

*Speaker: Michael Thompson - WebSphere Application Server - Admin Center - IBM*

This hands-on lab will give attendees a guided walk-through with setting up and managing a Liberty collective, and deploying applications to static and elastic (dynamic) clusters. Attendees start with an out-of-the-box Liberty installation and quickly create these production topologies using simple commands and scripting. This session will focus on cluster creation and application deployment. New features include JVM elasticity for auto-scaled clusters, clusters that can automatically respond to workload demand, and using the Admin Center to extend and manage deployments.

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## ***A215 - IBM MQ Publish/Subscribe***

*Speaker: Mark Taylor - IBM*

IBM MQ allows users to adopt the publish/subscribe application model with ease. This session takes you from how the fundamental publish/subscribe model maps onto MQ, through the configuration and management of publish/subscribe components right up to building multi-queue manager publish/subscribe architectures. This session is essential for all architects, administrators and application programmers already using or looking to adopt publish/subscribe with MQ.

## ***A220 - IBM MQ: Managing Workloads, Scaling and Availability with MQ Clusters***

*Speaker: Anthony Beardsmore - 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 IBM MQ clustering would be beneficial.

## ***A221 - IBM MQ Security: why and how to use the latest features***

*Speaker: Rob Parker - IBM*

More than ever security issues are top of everyone's priorities as IT infrastructures contain highly valuable information about your business, as well as customer data. In this session you will learn the reasons you will want to secure your IBM MQ and the security features available to help ensure your valuable data is protected within MQ.

## ***A222 - IBM MQ for Distributed Platforms: Develop Better MQ Applications by Understanding Performance***

*Speaker: Mark Taylor - IBM*

The latest release of IBM MQ once more raises the bar for the performance of the queue manager. Come to this session to hear about the latest enhancements and how applications can be made to perform at their best. Learn about the key design points of the queue manager, the best way to code your applications, and why.

## **A224 - Secure Your Messages with IBM MQ Advanced Message Security**

*Speaker: Rob Parker - IBM*

In some scenarios, securing access to your messaging infrastructure is not enough. You must also secure access to message content. Come to this session to learn how to provide end-to-end message protection where message contents are secure from the point they are sent to the point they are received, including while at rest in queues. Topics covered include: an overview of message level security, when it is appropriate to deploy this level of protection, how the message protection is applied, how it can be administered, and the new features available in the latest version of IBM MQ.

## **A226 - IBM MQ: Hands-On Introduction to Key APIs, Capabilities and Updates**

*Speakers:*

*Rob Parker - IBM*

*Mark Taylor - IBM*

IBM MQ is all about anywhere-to-anywhere integration, from the simplest pair of applications to the most complex business process management environments. This lab provides a hands-on introduction to MQ's key APIs, capabilities and updates. The step-by-step instructions lead you through several separate scenarios that you can choose between, including the configuration and setup steps, coding and execution. Available topics include: Basic messaging, JMS, Security, Managed File Transfer, Telemetry and Message Level Security. No prior knowledge is assumed but some familiarity of basic programming concepts would be an advantage.

## **A228 - Messaging for developers: Node.JS, Ruby, Python, Java, Scala with MQ and MQ Light**

*Speaker: Andrew Schofield - IBM*

In this session we will explain and demonstrate our developer-centric members of the MQ family, MQ Light and the MQ Light API in MQ. Come and learn how developers can get going with MQ Light for developers in under 5 minutes, rapidly develop applications in languages such as Node.JS, Ruby, Python, Java, Scala using open source messaging clients based on the open standard AMQP. See how these applications can then be managed, secured, scaled and operated safely by IT using IBM MQ Enterprise messaging, leveraging the MQ Light API support in IBM MQ. We'll also show how those same applications can be run in the IBM Bluemix cloud using the MQ Light Service in Bluemix.

## **A230 - Hands-on Lab: IBM MQ Light, Cloud, Developer and Enterprise**

*Speaker: Andrew Schofield - IBM*

IBM MQ Light is a messaging API targeted at developers who are developing scalable and responsive applications in a range of popular languages and frameworks including Node.JS, Ruby, Python and Java. MQ Light is available in 3 ways: A software offering for developers to run on their laptops, as an API in IBM MQ V8 and as a service in IBM Bluemix. In this lab, you will learn how to use IBM MQ Light in all three environments.

## **A232 - Introduction to the IBM MQ Appliance**

*Speaker: Anthony Beardsmore - IBM*

This session will introduce the IBM MQ Appliance, a new IBM MQ offering designed to provide a simpler approach to deployment and management of IBM MQ Queue Managers. Starting from the key use cases targeted in development, this presents at a high level some of the features of the IBM MQ Appliance including the new MQ Console web interface and built in high availability functionality

## **A234 - The IBM MQ Appliance - Administration Simplified**

*Speaker: Anthony Beardsmore - IBM*

The new IBM MQ Appliance brings several powerful new interfaces for simpler, out-of-the-box, administration and management. Much of this session looks at the new IBM MQ Console browser-based tooling, including a live demonstration of the new, user-centric dashboard design. Other interesting management features of the appliance such as new APIs for monitoring and application tracking are also highlighted.

## **A248 - WebSphere Application Server - High Availability Manager Component Hands On Lab**

### *Speakers:*

*Hobert Bush III - WebSphere Team Lead, Client Success - IBM*

*Kumaran Nathan - WebSphere Application Server L2 Support - IBM*

In theory, when we talk about uptime, we all want 100% uptime. In reality, a system with 100% uptime is expensive to implement. In part, the High Availability Manager component assists in cost effective uptime by providing the framework for disaster recovery in the event of an outage. When there is an issue with the High Availability Manager component, it is critical to business continuity and uptime to resolve the issue as quickly as possible. This workshop introduces attendees to some of the various methods to debug High Availability Manager issues on WebSphere Application Server. In addition, it provides an overview on how to resolve the most common issues seen in the High Availability Manager component.

## **A272 - MQ High Availability and Disaster Recovery**

*Speaker: Mark Taylor - IBM*

This session will describe the features available in IBM MQ to help you provide a highly available infrastructure that can handle a variety of failures including whole-site disasters. It will show common designs that help with recovery, and talk about issues you need to consider outside of MQ itself - for example networking and storage management.

## **A283 - Technical Deep Dive into IBM WebSphere Liberty**

*Speaker: Ian Robinson - Distinguished Engineer, WebSphere Chief Architect - IBM*

This session will provide a detailed look into the philosophy, architecture and design of the most flexible, simple and scalable Java EE application server on the market today—the WebSphere Liberty profile. Ian Robinson, the WebSphere Foundation Chief architect, will describe the motivation behind this project, and the key characteristics that are encouraging so many Java EE users to move their applications to Liberty. Ian will also cover the benefits of the WebSphere Liberty profile for both development and deployment of Java EE applications, in your datacenter and in the cloud.

## **A292 - DevOps Tools and WebSphere Application Server**

*Speaker: Jeremy Hughes - WebSphere Application Server architect for DevOps - IBM*

Continuous delivery—delivering frequent, small, well tested changes to enterprise applications and infrastructure—is a characteristic of innovative businesses that are responsive to customer requirements. DevOps tools like Chef, Puppet and IBM UrbanCode Deploy help fulfill this goal. Chef and Puppet simplify the configuration of operating systems and middleware. You write code to represent your infrastructure and manage it in source control, just like application code. Used together with IBM UrbanCode Deploy, application updates and changes to database schema and other aspects of an IT infrastructure can be co-ordinated and monitored. Come learn some of the basics and see a change move through the continuous delivery pipeline into production.

## **A298 - DevOps with WebSphere Liberty Profile, Maven, Docker and Chef**

### *Speakers:*

*Jeremy Hughes - WebSphere Application Server architect for DevOps - IBM*

*David Currie - Senior Software Engineer - IBM*

Organizations that deliver value quickly gain the competitive edge. Long release cycles with waterfall processes requiring long maintenance windows are yesterday's way. Today, development teams have adopted Agile processes to deliver valuable function in small, short increments. DevOps makes that real by enabling the automated testing and configuration management required to maintain an enterprise application in production. In this lab, you will learn how tools such as Apache Maven, Chef and Docker can be used with the Liberty Profile as part of a continuous delivery solution.

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## **A316 - IBM Hybrid Cloud Messaging**

*Speaker: Andrew Schofield - IBM*

The "Cloud" means many things to many people. In this session, we lay out the landscape of offerings and initiatives that IBM provides around cloud and as-a-service messaging. We explain their role and how they work together to deliver flexibility and agility to business, whilst retaining the mission critical rock solid reliability that enterprises have come to expect of IBM messaging for more than 20 years. We also touch upon the work we are doing in IBM MQ Enterprise messaging to facilitate its deployment in public and private IaaS clouds, the use of MQ in Docker and the work we are doing to make it easier to build self-service deployments on premise, on both distributed and z/OS systems. Finally, we discuss the new MQ Light API and how it can be exploited from IBM Bluemix and "fast-speed of IT" systems of engagement, the MQ Light Service for IBM Bluemix and the work we are doing with the open source Apache Kafka project.

## **A364 - Are you optimizing your support experience?**

### *Speakers:*

*Hobert Bush III - WebSphere Team Lead, Client Success - IBM*

*Vishavpal S Shergill - Websphere Application Server L2 Support, Team Lead - IBM*

Are you using all the support options available to you? Are you looking for other ways to interact with IBM? Do you know about the new support features? This session will help you understand how to best utilize support to improve your client experience critical to your success. You will learn everything about the PMR process, PMR alerts, and escalations. But wait, there's more! IBM Support does not end when the PMR closes; sometimes it begins before the PMR opens. The PMR process is not the only way to engage with IBM Support; there are engaging, fast, and easy alternatives by which you can engage directly with industry experts to find best practices and answers to many questions you have about IBM Products. Development, Support, and other IBM Experts are actively participating in our social channels on a daily basis, and can often provide quick answers to questions which may not warrant a PMR. Find out how clients are successfully interacting with IBM Support to learn, understand, and grow their business.

## **A377 - Explore the IBM MQ Appliance (hands-on lab)**

*Speaker: Lee Gavin - IBM Systems Middleware Technical Sales - IBM*

IBM MQ Appliance - "MQ in a box" - is the newest and most exciting product in the Integration solution segment. It has created quite a buzz among IBMers, business partners, and customers alike. In this hands-on lab, using a virtual environment, attendees will: - learn how to configure the appliance- learn how to create a repeatable demo of the basic appliance functions (such as creating MQ artefacts, putting and getting messages from local and remote destinations, and use the new MQ Console functionality. Time permitting, the attendees may also choose to either:- extend their demo to configure the appliances out of the box HA capabilities or - continue to explore the monitoring and troubleshooting capabilities available out of the box.

# Track 5: Integration

## ***156 - Extending your SOA with API Management***

*Speaker: Kim Clark - Certified IT Specialist - IBM*

You've invested in service oriented architecture (SOA), but now the whole world is talking about APIs. What are the real differences? How can you move cleanly into the API economy and still leverage your efforts in SOA. Learn how you can extend from your existing assets in products such as IBM Integration Bus (previously known as WebSphere Message Broker), WebSphere Service Registry and Repository, and IBM DataPower Gateway to bring your business functions and data into the world of APIs.

## ***161 - Introduction to StrongLoop***

*Speaker: Dustin Amrhein - Technical Sales Leader - IBM*

The emergence of mobile, the Internet of Things, and the digital economy has led to new business opportunities for many companies. In many cases, these opportunities are fueled by a new class of enterprise apps that differ from their predecessors in many ways. Enterprises need a core set of capabilities such as rapid API creation and scalable runtimes suited for 'chatty' applications emerging in the digital economy. It's in this context that Node.js is emerging in the enterprise. Come to this session to learn about IBM's new acquisition, StrongLoop. You will hear and see how StrongLoop helps developers to rapidly create and deploy APIs on a Node.js runtime, and how it delivers enterprise management and operations capabilities for those runtimes.

## ***197 - Bluemix and Hybrid Cloud Integration: Building your first Microservices App***

*Speakers:*

*Belinda Vennam - Software Development Manager - IBM*

*Rob Phippen - Release Architect for Bluemix Cloud Integration - IBM*

While the world is moving to the cloud, not every aspect of our businesses are ready to be there yet! We're still working amongst on-premises data models with cloud hosted applications and APIs. How can we seamlessly integrate these systems of record and the API economy? In this workshop, participants will create a cloud hosted microservices e-commerce application that consumes an interests API provided by a fictitious API provider business partner. The application itself is comprised of three different services: A catalog application which dynamically generates the item catalog based on recommendations from a twitter based interests API, an orders application which stores the user information on a backend on-premises Oracle database, and a UI application to tie it all together. The application for this workshop can be found here: [smartbooks.mybluemix.net](http://smartbooks.mybluemix.net) This session will cover all the steps, including understanding the underlying architecture, creating an instance of the app, and eventually customizing it. By the end of the session users will have gained key knowledge of microservices, API consumption and management, connection to on-premises data sources, and how this all ties in with a cloud hosted application. Every attendee will go home with a functioning app in their Bluemix Dashboard and a new understanding of a few key Integration services on Bluemix! Attendees could then extend this application to a number of different use cases, and use the app as a building block to get started with cloud development or API development.

## ***1151 - Microservices: Where do they fit within a rapidly evolving integration architecture?***

*Speaker: Kim Clark - Certified IT Specialist - IBM*

Do microservices force us to look differently at the way we lay down and evolve our integration architecture, or are they purely about how we build applications? Are microservices a new concept, or an evolution of the many ideas that came before them? What is the relationship between microservices and other key initiatives such as APIs, SOA, and Agile. In this session, we will unpick what microservices really are, and indeed what they are not. We will consider whether there is something unique about this particular point in technology that has enabled microservice concepts to take hold. Finally, we will look at if, when, where and how an enterprise can take on the benefits of microservices, and what products and technologies are applicable for that journey.

## ***I193 - IBM API Management Roadmap***

*Speaker: Sid Bhatia - Program Director, IBM API Economy - IBM*

IBM's API Management solution that helps businesses manage and enforce the consumption of their services, is available for on-premise deployment and also in the Cloud in a variety of ways including SaaS and Dedicated offerings. IBM is aggressively pursuing and innovating in this space to win and lead in the Digital Economy. This session will cover the product strategy and direction of API Management across on-premise and Cloud platforms

## ***I194 - What's New in IBM API Management***

*Speaker: Sid Bhatia - Program Director, IBM API Economy - IBM*

IBM's API Management solution helps businesses manage and enforce the consumption of their services, It is available for on-premise deployment and also in the Cloud in a variety of ways including SaaS and Dedicated offerings. IBM is innovating in this space rapidly to help customers succeed in the Digital Economy. This session will cover the latest product news of API Management across on-premise and Cloud platforms

## ***I287 - Effective Administration in IBM Integration Bus***

*Speaker: Matthew Golby-Kirk - IIB Development - 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.

## ***I288 - Effective Application Development in IBM Integration Bus***

*Speaker: Andrew Coleman - IIB Development - IBM*

What are the best practices for IBM Integration Bus (IIB) 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.

## ***I289 - Integration your way: you choice of programming language***

*Speaker: Andrew Coleman - IIB Development - 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.

## ***I291 - Cloud deployment options for IBM Integration Bus***

*Speaker: Andrew Coleman - IIB Development - IBM*

This session discusses the myriad options available for IBM Integration Bus in the cloud, including provisioning, hosting and configuring, and 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 new IIB infrastructure using technologies such as Chef, to hosting on either private or public clouds, to platforms that handle integration workloads appropriately, to software to facilitate the consumption and provisioning of cloud services.



## ***I293 - Extend your IBM Integration Bus with IBM DataPower Gateway and IBM API Management - Common Use Cases***

*Speakers:*

*Michael Hamann - IT Specialist - IBM*

*Klaus Bonnert - IT Specialist - IBM*

Do you want to extend your ESB to enable Web, Mobile, Cloud, API, and B2B workload? This session helps you to understand when IBM DataPower Gateway or IBM API Management can help you to integrate, secure, and optimize these new channels.

## ***I295 - Protect your Enterprise using IBM DataPower Gateway***

*Speakers:*

*Michael Hamann - IT Specialist - IBM*

*Klaus Bonnert - IT Specialist - IBM*

In this lab attendees will experience various options how IBM DataPower Gateway can protect your enterprise. At the completion of this lab, participants have a solid understanding of how REST APIs, Web Services, and Web Applications can be protected using DataPower features.

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In this lab attendees will experience various options how IBM DataPower Gateway can protect your enterprise. At the completion of this lab, participants have a solid understanding of how REST APIs, Web Services, and Web Applications can be protected using DataPower features.

## ***I296 - What's New in IBM DataPower Gateway***

*Speaker: Michael Hamann - IT Specialist - IBM*

This session is aimed to bring you up to date with the latest additions and enhancements to the IBM DataPower Gateway. This session describes the latest product releases including firmware 7.2.

## ***I297 - IBM DataPower Gateway protecting your Cloud Workload***

*Speaker: Michael Hamann - IT Specialist - IBM*

In this session the presenter will describe how IBM DataPower Gateway can protect cloud workloads. The session covers the role of DataPower within various BlueMix services and also how DataPower can be used within IaaS solutions like SoftLayer and Amazon EC2.

## ***I303 - What's New in IBM Integration Bus***

*Speaker: John Hosie - IIB Development - IBM*

As IBM's strategic integration technology for all enterprise integration use cases, IBM Integration Bus (IIB) continues to deliver new capabilities that address diverse integration needs. This session will describe all the latest developments in IIB. It will also give an overview of the IIB sessions you can expect to see at the conference. Come along to this session to come up to speed on this key IBM product.



### ***1304 - A Technical Introduction to IBM Integration Bus***

*Speaker: Alex Wood - IIB Development - IBM*

IBM Integration Bus aims to provide a universal integration solution, thanks to its ability to route and transform messages "from anywhere to anywhere," and is sometimes 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.

### ***1307 - IBM Integration Bus: Designing for performance***

*Speaker: Matthew Golby-Kirk - IIB Development - IBM*

This session demonstrates how to design an efficient and effective IBM Integration Bus (IIB) 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.

### ***1309 - Graphical Transformation of Business Data in IBM Integration Bus***

*Speaker: Alex Wood - IIB Development - IBM*

Graphical data maps in IBM Integration Bus offer the ability to achieve the transformation of a message without the need to write code, providing a visual image of the transformation, and simplifying its implementation and ongoing maintenance. See how graphical maps can be used in IBM integration Bus to transform XML or non-XML data as well as message headers using a broad range of built-in transformations. See the new support in IBM Integration Bus

### ***1311 - Flexible MQ topologies in IBM Integration Bus***

*Speaker: Simon Stone - IIB Development - IBM*

IBM Integration Bus (IIB) has added flexibility to the way it interacts with IBM MQ. The MQ prerequisite is removed, and while all existing MQ use cases are preserved, it is now no longer mandatory to tie your broker infrastructure in with your queue manager. This session discusses the various MQ improvements made to IIB, and offers a rundown of some of the use cases this in turn facilitates, from high availability to migration and interoperability with the MQ Appliance.

### ***1315 - Policy driven management of APIs with IBM Integration Bus and API Management***

*Speaker: Simon Stone - IIB Development - IBM*

Learn how to exploit the optimised integration between IBM Integration Bus and API management as well as IBM Integration Bus's native capabilities for workload management policy enforcement.

### ***1317 - Connectivity and Integration for .NET environments***

*Speaker: Matthew Golby-Kirk - IIB Development - IBM*

It is simple to integrate IBM Integration Bus (IIB) with Microsoft .NET applications. Come along and find out how to run .NET assemblies natively inside IIB in order to provide fast access to data and broker facilities in any of the languages supported by the CLR (e.g. C#, VB.NET, F#). In this session you will see how easy it is to build transformation or input nodes in Microsoft Visual Studio and integrate Microsoft Dynamics or other .NET applications directly from within IIB.

### ***1325 - Prediction and prescription with analytics and business rules in IBM Integration Bus***

*Speaker: John Hosie - IIB Development - IBM*

Integration flows are often the first change to glean insight and to make decisions on business data. This sessions explains how IBM Integration Bus can inter-operate with analytic engines such as SPSS or R for scoring in-flight data against a known data model and with business rules engines such as IBM Operational Decision Manger for taking actions based on those data.

### ***1326 - Creating, Publishing and Managing APIs with IBM API Management***

*Speakers:*

*Klaus Bonnert - Senior IT Specialist - IBM*

*Michael Hamann - IT Specialist - 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.

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### ***1327 - Operational and business monitoring with IBM Integration Bus***

*Speaker: John Hosie - IIB Development - IBM*

A real time understanding of the status of your infrastructure and the business transactions that infrastructure supports is crucial in order to identify and diagnose issues. This session explains how to use the capabilities in IBM Integration bus to achieve this insight.

### ***1329 - IBM Integration Bus and IBM API Management***

*Speaker: Simon Stone - IIB Development - IBM*

In this hands-on lab, you will define a REST API which you implement in IBM Integration Bus and control access to it via IBM API Management using the very latest inter-operability between the two products.

### ***1330 - First experience of IBM Integration Bus for Cloud***

*Speaker: Andrew Coleman - IIB Development - IBM*

Get a hands on taste for the new IBM Integration Bus for Cloud service and experience, first hand, deploying integration solutions to a managed and provisioned integration platform as a service.

### ***1331 - Up and running with IBM Integration Bus v10***

*Speaker: Alex Wood - IIB Development - IBM*

This hands-on lab will allow you to try out for yourself the most recent features of IBM Integration Bus. Attend this session to experience the latest IBM Integration Bus technologies and to provide feedback to members of the development team.

### ***I331 - Up and running with IBM Integration Bus v10***

*Speaker: Alex Wood - IIB Development - IBM*

This hands-on lab will allow you to try out for yourself the most recent features of IBM Integration Bus. Attend this session to experience the latest IBM Integration Bus technologies and to provide feedback to members of the development team.

### ***I333 - Trusted Notification and Communication Platform with Bluemix and API Management***

*Speakers:*

*Klaus Bonnert - Senior IT Specialist - IBM*

*Winfried Geutsch - General Manager - tetronik GmbH*

tetronik will present our unique use of IBM Bluemix and API Management in combination, by exposing the DAKS alarm system APIs in the cloud and extend the availability of the DAKS for integration to mobile apps, M2M, IoT and Wearables. DAKS being a high availability telecom platform for automated collaboration and notifications simplifying business based response strategies brings the following benefits to developers through integration:• Access to an on premise solution as foundation for internal command and control centre integration and processes• Automation of communication processes based on DAKS configured workflow• Connectivity with different on premise existing equipment like PA-Systems, PBX, UC / Messaging; “sensors + physical push Button”, building technology• Integration of back office proceduresWhen combined with other existing solutions, new offerings, markets and opportunities are opened up not only for tetronik, but for those leveraging our APIs.

### ***I346 - Overview: Hybrid Integration on Bluemix***

*Speaker: Rob Phippen - Program Director, Cloud and Hybrid Integration - IBM*

Come learn about the Hybrid Integration capabilities available on Bluemix today. We will give an overview of the integration services and the key use cases they enable.

### ***I348 - Securely Connecting and Integrating Bluemix and On Prem***

*Speaker: Rob Phippen - Program Director, Cloud and Hybrid Integration - IBM*

In this session we will take a deep dive look at the foundational integration capabilities on Bluemix. These services enable integration with on-prem resources in a secure and controlled manner. Breadth of the session spans gateways, messaging, and integration.

### ***I353 - What's behind a high quality web API? Ensure your APIs are more than just a pretty facade***

*Speakers:*

*Brian Petrini - Senior Product Manager - IBM*

*Kim Clark - Consulting I/T Specialist - IBM*

Web APIs have now become as important as websites for some enterprises. Dreaming up an attractive set of data resources to expose to your consumers is a critical step, but it's just the beginning of the story. In the world of APIs, standards are rare, so common conventions are everything - which should you choose, and how do you apply them to your data model? What architecture do you need behind your APIs to ensure they are robust, scalable, and secure? How do you ensure data integrity in an environment without transactionality. How will you prepare for order of magnitude changes in scale? How do you join your API world with your existing enterprise integration and service oriented architecture?

### ***I378 - Simplify your IIB Migration using Dynamic Migration Guide***

*Speaker: Vivek Grover - Senior Software Engineer - IBM*

The presentation introduces a migration guide that walks the user through Planning, Installation and Migration of WMB/IIB across different releases. It also enables the users to find information for self-help support.

## ***I380 - The move to digital - Bridging the two speed IT divide***

*Speaker: Rob Phippen - Offering Manager - IBM*

IT architectures built over decades are facing their greatest opportunity and challenge in supporting a new digital world where applications are created rapidly and by a whole new generation of developers outside of the traditional IT department. In this 2 speed world the winners who build truly engaging customer experiences will build upon the value of the existing systems of record whilst nurturing new innovation and rapid application delivery using the springboard of the cloud. Join us as we look at the technology journey, the key perspectives and integration and API Management products which underpin a the transition of an established business into a successful digital enterprise.

# Track 6: z System

## **Z1 - Mobilize your mainframe: z/OS Connect hands-on (DOUBLE SESSION)**

### *Speakers:*

*Carl Farkas - IBM*

*Kev Senior - ISSW*

z/OS Connect is a new "gateway" proposed by IBM between Mobile REST/JSON applications and z/OS back-end subsystems such as CICS and IMS. It provides a simple, common, high-performance, economic interface to your corporate system of record. The z/OS Connect feature is delivered with WAS z/OS, CICS and IMS. This lab will allow you to discover not only functionally what z/OS provides, but also the ease of implementation. Within this short lab you will configure and start a WebSphere Liberty z/OS environment with z/OS Connect. Note that this is a DOUBLE SESSION

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*Carl Farkas - IBM*

*Kev Senior - ISSW*

z/OS Connect is a new "gateway" proposed by IBM between Mobile REST/JSON applications and z/OS back-end subsystems such as CICS and IMS. It provides a simple, common, high-performance, economic interface to your corporate system of record. The z/OS Connect feature is delivered with WAS z/OS, CICS and IMS. This lab will allow you to discover not only functionally what z/OS provides, but also the ease of implementation. Within this short lab you will configure and start a WebSphere Liberty z/OS environment with z/OS Connect. Note that this is a DOUBLE SESSION

## **Z8 - Configuring Timeouts for WebSphere Application Server on z/OS**

### *Speakers:*

*David Follis - WebSphere Java Batch Architect - IBM*

*Kev Senior - ISSW*

WebSphere has all sorts of different timeouts...dispatch timeouts, transaction timeouts, connection timeouts, etc. And then there's the configuration telling WebSphere what to do when a timeout happens and what documentation to gather. What does it all mean? What should you do for normal options? Do the recommendations change if you're having a problem? (hint: yes)

## **Z9 - Performance Tuning, Capacity Planning, and Chargeback with WebSphere Application Server on z/OS**

### *Speakers:*

*David Follis - WebSphere Java Batch Architect - IBM*

*Kev Senior - ISSW*

WebSphere Application Server on z/OS writes SMF 120.9 and 120.10 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.

### **Z33 - Business Rules on z/OS: Gaining agility by making the right change at the right time**

*Speaker: Mark Hiscock - Lab product management - 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.

### **Z82 - CICS Family: Intro and Upgrade**

*Speaker: Chris Hodgins - CICS Development - IBM UK*

CICS TS V5.1 became available at the end of 2012, 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 profile server within CICS? Perhaps you can use the new CICS Cloud capabilities to improve application reliability and accelerate deployments? Maybe you can improve your integration with Mobile devices? Or better control your costs through policies and consolidation? Come to this CICS opening session to find out how CICS is reinventing mainframe application serving one again. And discover which sessions you should attend at WTU for best value.

### **Z84 - CICS TS V5: Technical Overview**

*Speaker: Alison Lucas - CICS Development - IBM UK*

CICS Transaction Server V5 brings service agility, operational efficiency and Cloud enablement with DevOps – grand words but what is the underlying capability that is delivering this value? Come to this session and learn how you can realise performance improvements, utilize the WebSphere Liberty Server, extend CICS applications to mobile devices, run more in fewer regions and so much more.

### **Z87 - CICS TS V5: WYNTK about CICS DevOps**

*Speaker: Matthew Wilson - CICS Development - IBM UK*

Creating a CICS cloud can provide a step change in agility. Add DevOps to the equation and it's more like a quantum leap. Imagine if the latest CICS DevOps technology could fully automate the reliable and repeatable deployment of CICS applications through the entire lifecycle. Imagine a fully automated build environment for any style of CICS application. With common scripting languages and tools to create a continuous deployment model. Or imagine using a tool like IBM UrbanCode Deploy to provision any type of CICS application, in coordination with other application and database components in a single action. Better still, don't try and imagine it. Attend this session and see it for yourself.

### **Z88 - CICS TS V5: WYNTK about CICS Liberty**

*Speaker: Alison Lucas - CICS Development - IBM UK*

"Liberté, Égalité, Fraternité" (Liberty, Equality, Fraternity), is the slogan of France, coined around the time of the French Revolution. It also seems a pretty appropriate slogan for the mini revolution that is happening right now with CICS and WebSphere. The Liberty profile is a highly composable and dynamic application server runtime environment that is shipped as a part of both WebSphere and CICS. This session will introduce Liberty in CICS, compare the capability with WebSphere (note the 'equality' word) and discuss how these new Liberty applications can interact with and support the established fraternity of existing CICS applications that run your core business.

## **Z89 - CICS TS V5: WYNTK about CICS Performance**

*Speaker: Alison Lucas - CICS Development - IBM UK*

The CICS TS V5 releases introduce a number of runtime enhancements to reduce CPU usage, improve response times, reduce resource usage, while providing additional insight into transaction performance. Come along to this session as we explore some of the newer performance benefits found in CICS TS and how savings can translate to your environment. We will also look at a lab benchmark that consolidated CICS regions, maintaining throughput, saving significant MIPS, and reducing the management overhead.

## **Z94 - CICS TS: From Start to Finish - A newcomers guide**

*Speaker: Chris Hodgins - CICS Development - IBM UK*

This session will give you an introduction in CICS. What is this CICS so many mainframers use? You will get in this session a first overview about the architecture and use of CICS, what programming techniques are used and how can you open mainframe 3270 applications with new technologies.

## **Z95 - CICS TS: Real Life CICS Java projects**

*Speaker: Matthew Wilson - CICS Development - IBM UK*

This session will introduce some Projects IBM did with Customers in the last years. These Patterns are generalized and show how other customers can take advantage of the functionality provided by CICS.

## **Z96 - CICS Hands-On Labs (DOUBLE SESSION)**

*Speaker: Matthew Wilson - CICS Development - IBM UK*

You have heard about some of the new technology in CICS and now you are ready to get your hands "dirty" and work with some of them. This session offers hands-on experience with a variety of features and facilities available with the latest releases of CICS. You can choose from any of the lab exercises offered, which include exercises on CICS in the Cloud, CICS Event Processing, Web services, CICS Java development using OSGi, Java Servlets and JSPs in CICS, deploying applications with CICS DA, Performance Management, and more. Come to this session to gain hands-on experience with some of the latest CICS features and capabilities discussed here at WTU. Depending upon the modules you want to run, you can probably run this lab in approximately 90-120 minutes.

## **Z96 - CICS Hands-On Labs (DOUBLE SESSION)**

*Speaker: Matthew Wilson - CICS Development - IBM UK*

You have heard about some of the new technology in CICS and now you are ready to get your hands "dirty" and work with some of them. This session offers hands-on experience with a variety of features and facilities available with the latest releases of CICS. You can choose from any of the lab exercises offered, which include exercises on CICS in the Cloud, CICS Event Processing, Web services, CICS Java development using OSGi, Java Servlets and JSPs in CICS, deploying applications with CICS DA, Performance Management, and more. Come to this session to gain hands-on experience with some of the latest CICS features and capabilities discussed here at WTU. Depending upon the modules you want to run, you can probably run this lab in approximately 90-120 minutes.

## **Z106 - IBM Liberty z/OS Connect: The mobile-ready API gateway to the heart of the mainframe**

*Speaker: Richard Gamblin - European Technical Leader | Mobile Enterprise - IBM*

Mobile technologies are placing new demands on mainframe services like never before and the easewith which mobile developers are able to consume these core capabilities significantly increases theflexibility and speed with which mobile apps can be delivered. This session introduces one of the newest mobile technologies to enable this: IBM Liberty z/OS Connect. The session include two livedemos of (1) the discovery capabilities z/OS Connect; and (2) an end-to-end example showing z/OSConnect integrating Twitter, IBM BlueMix and SMS confirmations with core CICS and IMStransactions on z/OS.



## **Z128 - IBM MQ for z/OS V8 - Leveraging the platform**

*Speaker: Neil Johnston - IBM*

IBM MQ for z/OS makes use of many system features and facilities to provide a very high level of availability and performance for your messages. This session provides the detail behind all the new features and enhancements in the latest releases of IBM MQ for z/OS.

## **Z129 - MQ for z/OS SMF Data - Monitoring the Queue Manager and Channel Initiator**

*Speaker: Neil Johnston - IBM*

In this session, we'll look at how SMF data produced by the Queue Manager and the Channel Initiator (from MQ for z/OS V8) can be used to identify and resolve bottlenecks and issues, to deliver a smoother running MQ environment.

## **Z132 - Using z/OSMF to Expose MQ for z/OS As a Service for the Cloud**

*Speaker: Alexander Ross - IBM*

This session shows how z/OSMF can be used to create workflows to provision and deprovision MQ for z/OS Queue Managers and resources such as queues and channels. It includes a "technology demonstration" of this concept. Learn how these workflows can be driven via a service portal using REST APIs. The session also describes how the task of customizing a Queue Manager can be automated.

## **Z153 - From Internet of Things to z Systems using Bluemix, DataPower and API management**

*Speaker: Frank van der Wal - Technical Leader Mobile - ATS*

In this session we will talk about and demonstrate the possibilities to open up z Systems (CISC) using REST interface by means of z/OS Connect. Once put the REST interface in place we will demonstrate how to re-use those for the MobileFirst Platform server, API Management, Bluemix and IoT. All in the context of security and Integration.

## **Z299 - WebSphere Liberty or Classic on z/OS? How to I decide?**

*Speaker: James Mulvey - WAS z/OS Chief Architect - IBM*

Are you ready to run Liberty for production workloads on z/OS? This session will describe the differences between these WAS profiles and give you a better understanding about when to choose one over the other.

## **Z301 - Using Liberty Collectives on z/OS**

*Speaker: James Mulvey - WAS z/OS Chief Architect - IBM*

This session will explain what a Liberty Collective is and compare and contrast this technology with WebSphere's Network Deployment offering. It will also cover aspects that are specific to Collectives in the z/OS environment.

## **Z305 - Using z/OS MF workflows to provision Liberty servers on z/OS**

*Speaker: James Mulvey - WAS z/OS Chief Architect - IBM*

This session will describe how to create 'workflows' in IBM's z/OS MF that can be used to quickly provision Liberty servers on z/OS using HTTP/REST calls. These can then be driven from any Cloud-based platform to deliver self-service Liberty on z/OS instances. When combined with WebSphere Developer Tools (WDT), a new Liberty development/test server could be offered up to your developers in minutes -without the need for them to even logon to z/OS (or in some cases even know it's there!).

# Biographies



## **Al Grega - Global Sales Executive, z Systems Middleware - IBM Corporation**

Al is currently responsible for the worldwide sales of IBM z Systems Middleware. Most recently he owned worldwide sales for WebSphere on System z, and prior to that Rational Enterprise Modernization and Compilers, and product planning for the WebSphere portfolio on IBM's Power Systems. He has over 30 years of experience ranging from operating systems development to services, marketing and product management. Al has also taught at the State University of New York at Farmingdale.



## **Alasdair Nottingham - WebSphere Runtime Architect - IBM**

Alasdair Nottingham has worked for the last 14 years on WebSphere Application Server. He is responsible for the evolution of the WAS runtime, including both Liberty and Classic runtimes, prior to this he lead the development of the WAS Liberty runtime.



## **Alexander Ross - Software Engineer - IBM**

Alex is a Software Engineer at the IBM Hursley Laboratory in the UK since graduation, for five years. He is currently working as a tester in the MQ for z/OS Team and he saw through the version 8 release. He has also worked in the Security and Scalability Teams, where he gained experience of MQ on the distributed platforms.



## **Alex Wood - Software Engineer - IBM**

Alex Wood is a Software Engineer at the IBM Hursley Labs in the UK. In 17 years Alex has been involved the development of a number of IBM middleware products including MQ, WebSphere ESB and IBM Integration Bus/Message Broker. He is currently a member of the IBM Integration Bus development team and team lead for IBM DFDL, Graphical Mapper and a number of other IIB on-premise capabilities.



## **Andrew Coleman - Cloud Architect, IBM Integration Bus - IBM**

Andrew Coleman is the architect of the IBM Integration Bus on Cloud product based at the IBM Hursley Software Lab in the UK. He has been responsible for key areas of IIB development for fifteen years, including the Java programming model, the XPath processor, the message collection and sequencing capabilities, and the graphical data mapper. Andrew is also the Chair of the W3C XML Query Working Group and is editor of the [XSLT and XQuery Serialization](#) specification. You can contact Andrew at [andrew\\_coleman@uk.ibm.com](mailto:andrew_coleman@uk.ibm.com).



## **Anthony Beardsmore - Development architect, IBM MQ Appliance - IBM**

Anthony Beardsmore has worked in a variety of development roles across the MQ family of products since joining IBM in 2003. Most recently, he has taken the role of Technical Architect on the brand new IBM MQ Appliance offering, released in March 2015.



**Antony Viaud - Sr Product Manager, IBM ODM - IBM**

Antony Viaud is a Product Manager for IBM Operational Decision Manager (ODM). He's responsible for gathering requirements and driving innovation on decision management, decision service deployment and execution. Prior to joining the product management team 7 years ago, he was a Technical Account Manager, specialized in Business Rules Management Systems for financial services with ILOG JRules.



**Belinda Vennam - Software Development Manager for Integration Services - IBM**

Belinda Vennam is a software development manager for IBM's Hybrid Cloud Integration team, enabling her team to deliver key functionality for the hybrid cloud space. Prior to this role, she was lead for the Customer Oriented Research & Development team for the MobileCloud Services on Bluemix, and has experience with iOS and android application development. She's passionate about making a difference in the world, and has spent much of her volunteer time in El Porvenir, Honduras: building a computer lab, leading volunteer trips, and teaching English.



**Bill O'Donnell - Middleware Chief Security Complaint Officer - IBM**



**Bouna Sall - Mobile Architect - IBM Software Services for Mobile**

Bouna is an architect for IBM Cloud Software Lab Services for Mobile. He has been with IBM over 16 years and has extensive experience leading large projects in diverse industries including telecommunications, banking, government, insurance and healthcare.



**Chris Backhouse - Architect - Operational Decision Manager for z/OS - IBM**



**Chris Richardson - STSM, IBM BPM Robustness: Availability, Recovery, Scale - IBM**

Chris Richardson is a software architect for high availability and disaster recovery with IBM in Austin, Texas. Chris has held this position for the past 3 years. Previously, Chris was a lead performance analyst on the IBM Business Process Manager performance team for many years. He has 17 years of experience working with IBM, almost all of that time focusing on software systems performance. Chris holds a Bachelor of Science degree in physics from the University of Texas at Austin and a Masters degree in physics from the University of Washington in Seattle.



**Damon Cross - Advisory Software Engineer - IBM**

Damon is an Advisory Software Engineer at the IBM Hursley Laboratory in the UK. He has been working on mainframe systems for over 25 years, with the last 15 of those at IBM. He currently works in the MQ z/OS L3 team. Prior to this Damon worked in the CICS L3 team.



**David Currie - Senior Software Engineer - IBM**

David is a senior software engineer at IBM in the WebSphere Application Server development team, based out of the Hursley Lab in the UK. His primary responsibility is for the application server's Docker support but he also works closely with the teams providing support for Bluemix/Cloud Foundry and microservices.



**David Carew - Software Architect - IBM Cloud**

David Carew, a Software Architect in IBM's Cloud Division, provides mentoring and consulting to IBM business partners and customers who are building cloud based solutions. His areas of specialty include IBM Bluemix and IBM's Big Data and Analytics capabilities. Prior to his current role, he held a variety of positions in Development including writing the software for robotic controllers and working on the AIX kernel.



**David Follis - WebSphere Java Batch Architect - IBM**

David Follis has been with IBM for 27 years, coming up through MVS development to spend the bulk of his career (so far) in WebSphere Application Server development. His focus for most of that time was integrating with and exploiting the capabilities of the z/OS platform. Most recently he has taken ownership of Java Batch (Compute Grid and JSR-352) in WebSphere.



**Dieter König - IBM Senior Technical Staff Member - IBM**

Dieter König is an IBM Senior Technical Staff Member working at the IBM Software Group's laboratory in Böblingen, Germany. He works as product architect for IBM Business Process Manager. Dieter worked on the standardization of 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 Case Management in IBM BPM.



**Dustin Amrhein - Technical Executive - IBM**

Dustin Amrhein is IBM's Technical Executive for MobileFirst in North America and WW Technical Leader for StrongLoop. In this role he works with clients to help them execute digital transformation initiatives that are fueled by mobile and API technologies. Dustin joined IBM as a software engineer for the WebSphere Application Server, and since that time he has performed various roles including technical evangelism and technical sales. For the last four years, he has been focused on the cloud and mobile industries.





### **Frank van der Wal - IBM**

Frank van der Wal graduated from Computer Sciences in 1989 followed by a Technical Business Administration course a year later. After an international experience in the financial sector he joined IBM in 1991 at the European Repair Centre as repair engineer for PS/2 products. In 1994 he joined IBM's Logistics department, implementing a pan-European system to control all of IBM's spare parts in Spain and Israel. Since 1998 he is working in the Sales and Distribution department of IBM working both for the PC division as the Server division as Brand Manager for different IBM products. From 2013 he works as Technical Leader Mobile in the Client Center in Montpellier, France, dedicating his time on the topic mobile on z Systems. He worked on the Reference Architecture for Mobile on z Systems, was co-author of a Redbook on the same topic and developed customer workshops and demonstrations for Mobile on High End Systems. Most of his time he is involved in customer workshops, explaining, showing, consulting and demonstrating why and how to open up the z Systems for mobile and other modern technologies. He is a frequent speaker on international events on a broad variety of technical topics and especially on Mobile related ones. In his spare time Frank try to listen to his all-analogue audio setup, runs a mile or two, fiddles with his home-automation system and works on his 150 years old house but seldom simultaneously....



### **Georg Ember - IT Architect - IBM Software Group**

Georg Ember is a certified Software IT Architect working for IBM Software Group in Germany. Since 2012 he is a client technical professional for the IBM PureApplication platform and supports many clients in Europe. In his 27 years at IBM he has worked in various positions as IT specialist (in IBM Systems and Technology Group) and IT architect (IBM Software Group). He is also a approved lecturer at a german university.



### **Hobert Bush III - WebSphere Team Lead, Client Success - IBM**

I am currently a technical team lead in the WebSphere Organization focusing on database connectivity, high availability, fail-over and recovery, ORB, and the EJBs components. My primary focus is on resolving high impact issues affecting our client's WebSphere solutions and overall business. In addition, I work with clients on taking a proactive approach to potential problem areas in their overall environment.



### **Holger Povel - IT Specialist - IBM**

In the past 15 years I worked as IT Specialist and IT Architect in many customer projects. During this time I got a detailed knowledge about the IBM software products WebSphere Application Server (WAS) and IBM Business Process Management (BPM). Today my responsibility in projects are architecture, performance, high availability, security and coding guidelines around the products WAS and BPM.



### **Ian Robinson - WebSphere Foundation Chief Architect - IBM**

Dr Ian Robinson is an IBM Distinguished Engineer and Chief Architect of IBM's WebSphere Application Server, with over 20 years' experience working in distributed enterprise computing across product development, open standards and opensource. Ian 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.



**James Mulvey - WAS z/OS Chief Architect - IBM**

Jim is the lead architect for the IBM WebSphere Application Server for z/OS product and also the lead architect for the Liberty z/OS Connect and WebSphere optimized local adapters (WOLA) feature teams. Prior to working in WebSphere development, he spent ten years as a developer and architect on the IBM z/OS Language Environment and IBM Problem Determination Tools development teams. Before working at IBM, Jim was as an independent consultant for a number of years, specializing in MVS systems and CICS applications/systems programming.



**Joerg Rehr - Principal - Master Data Management - IBM**

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 supporting IBM InfoSphere MDM Server customers with their integration efforts of an MDM into their system landscape.



**John Hosie - Architect - IBM Integration - IBM**

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 has been a key engineer in many areas of integration and, in particular, connectivity. One of John's current responsibilities, as well as architect, is owner of the Open Technologies for Integration organisation on GitHub where the integration community collaborate on several open source projects.



**Jon Levell - Developer, IBM MessageSight - IBM**

Jon has worked on machine-to-machine communication related middleware for more than a decade. He has worked in the development team for Internet of Things Foundation and been a developer on IBM MessageSight since its inception.



**Kanwaldeep Bindra - IBM Senior Software Engineer - IBM Tealeaf Engineering**

I have Architected and developed Networking products from the ground up for many years. Currently, working in IBM Tealeaf's Network Capture group, which provides the core functionality needed for Tealeaf's product line. I am also responsible for Architecting the features on the existing network capture component, PCA and new capture products for Tealeaf.



**Kim Clark - Integration and BPM Architect - IBM**

Kim Clark is a Senior IT Specialist focusing on design issues within BPM, integration, and SOA, and API management. Since 1993, he has been working on projects in the IT industry and collating, documenting, and presenting on best practices.



**Klaus Bonnert - Senior IT Specialist - IBM**

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.



**Kumaran Nathan - IBM WebSphere Application Server Level 2 Support - IBM**

Kumaran Nathan has been with IBM since March 2006 as a World Wide L2 Support Engineer and has extensive knowledge of multiple components within WAS product. He is currently serving in the role of Team Lead and Subject Matter Expert for WAS SM and HA Manager components. Apart from these he also has expertise in Install, Migration, Performance, J2C and Application Management. His responsibilities revolve around handling client issues, continually access critical client situations and escalations, prioritize and delegate tasks, and provide worldwide enterprise client support.



**Lars Besselmann - Certified IT Specialist - IBM**

Lars Besselmann-Hamandouche works for more than 15 years now as WebSphereClient Technical Professional at IBM.His main focus is on application infrastructure, especially WebSphereApplication Server and WebSphere eXtreme Scale.



**Leo Davison - Software Engineer, IBM MessageSight - IBM**

I have spent the last 4 years working in messaging middleware within IBM. Initially supporting the Java JMS client for IBM MQ, and more recently as the level 3 support lead for the IBM MessageSight appliance.



**Marco Barcella - Program Director, Offering Management, Smarter Process Cloud - IBM**

Marco Barcella is the Program Director for Cloud and Mobile Smarter Process offering management, at IBM. He has experience in various disciplines including offering management, M&A, software development and professional services.Marco holds an MBA, as the class valedictorian, from the New York University Stern School of Business and a Master of Science in Electrical Engineering and Computer Science from the University of Virginia. He has authored and published various technical papers, including one in the Journal of Microelectronics.



**Marisa Lopez de Silanes - Cloud Foundation Services Information Developer - IBM**

Marisa has worked for over 17 years in connectivity and integration, primarily as a lab-based consultant. Marisa joined the IBM Cloud Foundation Services development team 5 months ago to leverage her client experience to deliver and help improve the technical product documentation. Marisa has help clients WW with the architecture, solution design, and implementation of IBM BPM and integration technologies, and created the well-regarded IBM Integration Community.





### **Markus Keppeler - PureApplication Technical Sales - IBM Systems Middleware**

Markus Keppeler is a Senior IT Specialist at IBM Germany. He joined IBM SWG in 1998 and has been a member of the PureApplication/WebSphere technical team since its inception. He was responsible for emerging technologies and infrastructure software in IBM's WebSphere portfolio. In his current role, Markus is part of the PureApplication CTP team. He works with customers to introduce PureApplication into their IT environment and has experience in the area of cloud computing and virtualization technologies. He has written blog and press articles for WebSphere and PureApplication topics.



### **Markus Siebert - Solution Architect - IBM Deutschland GmbH**

Markus Siebert is an accredited IT Architect for Information Architecture who joined IBM in 2006. Since then, he has worked in projects establishing and integrating master data management solutions for customers in industries such as health care, general stores, and banking. 2014 he went on job rotation to gain skills in integrating business process management with master data management. Before joining IBM, he worked as a J2EE Developer at a company developing software for customer care and mobile phone operators.



### **Michael Thompson - WebSphere Application Server Release Architect - IBM**

Michael C Thompson is a lead developer and the release architect for the WebSphere Application Server. Michael has 13 years industry experience, working with IBM Austin for 10 years. Michael has contributed to numerous software projects and products, including the Linux kernel and WebSphere Application Server, with a deep interest in the areas of security and management. A firm believer in quality practices, Michael has taught and applied Agile, test driven development (TDD), functional and unit test practices and methodologies. Michael holds a B.S. Computer Science from Clarkson University in New York.



### **Michael Hamann - Senior IT Specialist - IBM**

Michael Hamann is a Senior IT Specialist in the IBM Systems Middleware group in Germany. He has more than 15 years of experience in consulting, instructing, and developing enterprise solutions. Currently he works as a Client Technical Professional to support and consult IBM DataPower Gateway and IBM API Management customers.



### **Nils Reher - IT Specialist - Signal Iduna**

Nils Reher, 33 Years old. I administrate since 12 years WebSphere Application Server. SIGNAL IDUNA Gruppe runs over 100 Applications in over 1000 JVMs. Additionally I administrated 5 year TIM and TAM for our Customer Application.



### **Omar Hernandez - Senior Software Engineer - IBM**

Omar leads capture library that is used in Tealeaf which listens to Web, iOS and Android platforms. He holds a degree in Computer Science and Math from San Jose State University.



**Orlando Rincon - Software Engineer - IBM**

Orlando Rincon is a Software Engineer for IBM Runtimes Tools based in Guadalajara, Mexico. He is an innovative engineer always interested in trending technologies, focused for the last few years on Web, Mobile and Cloud tooling development.



**Patrick Gunia - PhD - IBM BPM Development - Performance Analyst - IBM**

Patrick Gunia works as a performance analyst and software engineer in the BPM team at the IBM Research and Development laboratory in Boeblingen, Germany. He is responsible for a variety of topics ranging from questions of code performance, the determination of performance problems and their solution leading to optimized throughputs in customer installations. Due to this he knows the common pitfalls, misconfigurations and the tools available to identify and solve them.



**Paul Davey - Mobile Leader - Ireland - IBM**

Paul is the mobile and middleware technical leader for IBM in Ireland. Having worked in the information technology industry for over 21 years, both in Ireland and Australia, he was recently appointed to the IBM mobile leaders technical group for UK and Ireland. He is currently leading the IBM/Apple collaboration initiative from an Irish perspective and will graduate as an Executive MBA in December 2015.



**Paul Carruthers - Technical pre-sales for System z ( z/OS 7 zLinux ) Operational Decision Manager and CICS - IBM Systems**

Paul Carruthers has worked with the Mainframe platform at IBM, and various other companies, since 1987, gaining a large amount of experience in installing, customising, and rolling out base CICS and associated software ( both IBM & non-IBM ). His current European role involves working primary with Operational Decision Manager and CICS Tooling development labs to develop and enhance the products as well as working directly with Customers to assist them, at both a technical and business level, in positioning and migration.



**Paul Pacholski - Worldwide Middleware Smarter Process Technical Sales Lead - IBM Canada Laboratory**

Paul Pacholski has been with IBM Canada Development Lab for 32 years initially working as a Senior Developer on several IBM software offerings and for last 17 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 for IBM Smarter Process.



**Peter Juberg - Smarter Process Solution Architect - IBM**

As one of the leading WebSphere Integration software experts, Peter is one of the "go to" technical resources in the IBM team. Leveraging his real world implementation experience, Peter joined the North America Smarter Process Technical Sales team in 2014 to help customers architect and deploy optimized Smarter Process solutions. Peter is currently the field expert for IBM's BPM on Cloud offering and is currently engaged with many of IBM's largest clients to assist with their journey to move to BPM on Cloud.



**Premananda Mohapatra - Architect and Senior Developer MobileFirst Platform - IBM**

Prem is an IT architect working in IBM India and specialises in Mobile and Cloud technology. In his spare time, he loves to play with open source projects in mobile and cloud.



**Rajesh Kumar Salgare - TATA Consultancy Services**

Rajesh Salgare is working as a Technical Lead with an experience of 10 years in Tata Consultancy Services. He has knowledge in Telecom Domain and was closely working for TataSky Client for all Portal and Mobile applications.



**Ralf Bracht - IT-Architect, Consulting IT-Specialist - IBM**

Dr. Ralf Bracht is certified IT-Specialist and now works as IT-Specialist and IT-Architect for IBM Systems Services in Germany. From 2001 until 2010 Ralf was responsible for the IBM WebSphere product portfolio in the technical sales organization of SWG Germany. In 2005 he took over the Software IT-Architect role, focusing on application and process integration. In 2011 he joined the Software Services for WebSphere team and now supports client projects, mainly in the automotive and the industrial sector.



**Ralf Schmauder - IBM BPM Development & Architecture - IBM**

Ralf Schmauder works as a software engineer and architect with a focus on cloud and Bluemix in the BPM team at the IBM Research and Development lab in Boeblingen, Germany. He is responsible for IBM Workflow for Bluemix Infrastructure. He has over 10 years experience on Business Process Management and has a strong background on all aspects of systems management.



**Ramratan Vennam - Bluemix Developer Advocate - IBM**

Ram Vennam is a Developer Advocate for IBM Bluemix, IBM's Cloud Platform. He is a full stack Software Engineer with experience in the landscape of web application technology, with a primary focus on Java EE. At IBM he has worked in a number of development roles under the Websphere product family.



**Richard Gamblin - Digital Transformation & Mobile Architect | European Technical Leader - IBM**

Richard Gamblin is an IBM Technical Staff Member, Redbooks Mobile Thought Leader and Global Leader for Mobile for the zChampions Team. As a Technical Architect based in the UK, Richard works with clients throughout Europe to develop new solutions and capabilities with IBM Middleware, Mobile and z Systems technologies. He has worked in a number of Technical Sales roles during his time in IBM, ranging from an Integration and Connectivity Specialist to a WebSphere Architect.



**Rob Parker - Software Engineer, MQ Security Development - IBM**

Rob joined IBM three years ago, initially working in MQ service before moving into the security team. In that time, he has been involved in the development and testing of security features, with a specialism in SSL/TLS functionality. Additionally Rob has experience with the Data Conversion and Remote components in MQ and the MQIPT SupportPac.



**Roland Barcia - IBM Distinguished Engineer - IBM Speaker**

Roland Barcia is an IBM Distinguished Engineer and MobileFirst CTO for IBM Cloud Lab Services. Roland is responsible for technical thought leadership and strategy, practice technical vitality, and technical enablement. He works with many enterprise clients on MobileFirst and Bluemix 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, Bluemix, Cloud, Java Persistence, Ajax, REST, JavaServer Faces, and messaging 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, API, web, and mobile platforms. He has a master's degree in computer science from the New Jersey Institute of Technology.



**Roland Peisl - BPM Customer Support - ibm systems**

Roland joined IBM's BPM arena in 1998 and has had different roles including SW development, product marketing & management, and business / technical consulting. Today Roland is providing onsite and remote lab support for various customer BPM projects via L3 / SWAT and lab advocacy engagements covering all disciplines of BPM. (modeling, analysis, simulation, test, deployment, monitoring, maintenance).



**Ryan Claussen - Smarter Process Special Forces - IBM**

Ryan is an advisory software engineer and member of the IBM Smarter Process CTO Office in Rochester, MN. He works with customers around the world and their Smarter Process implementations while researching new technologies to add to the Smarter Process portfolio.



**Sajjan Sankaran - Release Architect for Bluemix Cloud Integration - IBM**

Sajjan Sankaran is the Release Architect for Bluemix Cloud Integration. As an architect in the Cloud Integration area, he is delivering capabilities for hybrid cloud which allows quick, easy, and secure access to on-premises services, data, and systems. Prior to his current role, Sajjan was the product architect for Websphere Compute Grid and Websphere Batch for several years, and was instrumental in delivering a Unified Batch Architecture across Websphere, CICS, and other traditional batch systems.



**Sid Bhatia - Program Director, API Economy & API Management product management - IBM**

Sid Bhatia leads strategy and product management for IBM's API Management product. With over 25 years experience in Software Engineering, Sid has led integration middleware initiatives and organizations at companies including Accenture and Charles Schwab. Sid is based in San Francisco, and has a Masters degree in Software Engineering and also an MBA.





**Simon Stone - software engineer - IBM**

Simon Stone is a software engineer who has been working in the IIB development team for over 5 years, and has worked on a range of product features - JSON/DFDL parsers, Global Cache, analytics, and platform support. Most recently, he was the technical lead for the new REST API support introduced in IIB V10.



**Swamygowda N B**

Swamygowda is working as a Technical expert with an experience of 15 years in Tata Consultancy Services. He has a knowledge in Telecom and DTH domain and was closely working with Tatasky clients to manage and leading the responsibilities of all Tatasky applications.



**Thalia Hooker - Worldwide Tech Sales, Mobile Smarter Process - IBM**

Thalia Hooker, Ph.D., is the Mobile Smarter Process Leader on the IBM Systems Smarter Process Worldwide Tech Sales team. In this role, Thalia helps customer around the world understand how IBM Smarter Process offerings can help them solve their business needs and to think mobile, not as an afterthought, but as a key requirement to any project.



**Thomas Alcott - WebSphere developer experience lead - IBM**

Tom Alcott is Senior Technical Staff Member in the United States for IBM Systems Middleware In his 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.



**Tim Deboer - WebSphere developer experience lead - IBM**

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



**Toby Corbin - Software Engineer - IBM**

Toby is a Software Engineer working as part of the Runtimes tools team operating out of Hursley in the UK. The team develops low overhead monitoring, profiling, and diagnostics capabilities and free Eclipse-based tools such as Health Center, Garbage Collection and Memory Visualizer (GCMV), Memory Analyzer, and IBM Diagnostics Data Explorer (IDDE). For the last few years, he has been focusing on providing a monitoring solution that can be adapted to multiple runtimes and integrated into new technologies. Prior to that, he worked on globalising the Java class library code



### **Vishavpal Singh Shergill - WebSphere Team Lead, Client Success - IBM**

Vishavpal Shergill has been with IBM since May 2007 as a World Wide L2 Support Engineer and has extensive knowledge of multiple components within WAS product. He is currently serving in the role of Team Lead and Subject Matter Expert for WAS Install, Update, and Migration components. Apart from these he also has expertise in WAS Scripting (wsadmin.sh/bat), Performance, System Management and Application Management. He works closely with the development to advocate improvements to the product's installation and update technologies. His responsibilities revolve around handling client issues, continually access critical client situations and escalations, prioritize and delegate tasks, and provide worldwide enterprise client support.

### **Andre Tost - Senior Technical Staff Member - IBM**

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.

### **Kevin Postreich - WW Technical Sales Specialist - Application Platform - IBM**

Kevin Postreich is a Sr. IT specialist / consultant with IBM, and the World Wide technical Sales technical team leader, supporting customer deployments of WebSphere Application Server, WebSphere eXtreme Scale, PureApplication System, and WebSphere Service Registry and Repository (WSRR). Kevin also has a strong background in in middleware / application performance engineering and troubleshooting methodologies. Kevin is certified with the following IBM technologies: PureApplication System, WebSphere Application Server, and SOA technologies. He is also a Master Certified I/T Specialist.

### **Matthew Golby-Kirk - Senior Software Engineer - IBM**

Matthew Golby-Kirk works for the IBM Integration Bus development team based, in the IBM Hursley Lab. He has worked on many areas of the product including .NET, WebServices and ESQ and has been working with IIB and WMB for over a decade. Matthew is responsible for all the .NET and Windows platform support in the IIB product.

### **Winfried Geutsch - Managing Director - Tetronik GmbH**

Mr. Winfried Geutsch, Managing Director since 2012 at tetronik GmbH holds a master degree in computer science. His experience in leadership and various management positions incorporates responsibility for the areas managed services and communication solutions for over 25,000 employee workplaces, as well as sales and marketing. He has a broad competence in complex ICT- and UC solutions with regard to consulting, architecture and project management. As hightech business with more than 50 years of know-how and market expertise, tetronik GmbH provides innovative special solutions in the field of alarm- and crisis communication and communication enabled business processes (CEBP) that are used successfully in over 50 countries around the globe and in just about any industry – also in particularly sensitive areas.

### **Nicolas Sauterey - STSM, ODM Cloud Chief Architect - IBM**

Nicolas Sauterey is the lead architect for IBM Operational Decision Manager in charge of defining the concept of operations and the architecture for ODM on the cloud. Prior to this role, Nicolas has had various roles in the ODM Rules development and architecture team and has been a technical sales. Nicolas holds Master's degrees from Ecole des Ponts Paristech and from Paris VI University, in computer science and artificial intelligence.

### **Norman Brass - IT Specialist - IBM**

Norman is working as an IT Specialist in IBM Software Services SPIDE Team in Germany. He has more than 8 years experience with IBM BPM Advanced and was involved in Germany's largest BPM projects in industries like banking, energy, telecommunication and insurance. He has comprehensive experience in design, implementation and running customer solutions using IBM BPM Advanced and IBM ODM. Norman holds a degree in Computer Science from the technical university of Dortmund.

### **Scott Simmons - Master Cloud Advisor - IBM Cloud - IBM**

Scott is a Master Cloud Advisor with the IBM Cloud team. Scott specializes on the design, development and implementation of cloud solution architectures with a focus for banking/financial markets customers focusing on on-premise, off-premise, and hybrid cloud topologies. Scott is a Distinguished Lead Architect with the Open Group and is a Certified Cloud and SOA Solution Designer.

### **Stephan Kliche**

Stephan Kliche is a Business Process Management (BPM), Service Oriented Architecture (SOA), and Mobile consulting architect within IBM Software Service for WebSphere (ISSW) in the Business Process Management and integration focused technology practice group. He has been with IBM for over 6 years and has been working in the integration area. His areas of expertise include integration architecture, SOA design and development, BPM methodologies and mobile architecture. Most recently he has been involved in Germany's largest BPM projects in industries such as banking, insurance, and public.

### **Surya V Duggirala - STSM, Cloud and WebSphere Performance - IBM Systems Group**

Surya Duggirala is IBM STSM responsible for Performance and Architecture of Cloud and WebSphere Foundation based in Rochester Labs. He leads performance and architecture initiatives around Hybrid Cloud including IBM Bluemix, IBM SoftLayer and IBM PureApp systems. He is the primary IBM representative at SPEC for OSG java subcommittee and also member of Node Foundation Benchmark workgroup.

### **Tom Alcott - Sr Tech Staff Member, WW WebSphere App Infra - IBM**

Tom Alcott is Senior Technical Staff Member in the United States for IBM Systems Middleware. In his 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.



**Zhong Zhao - Senior Consultant - IBM China**

Zhao Zhong (Phil) has been active in IT industry for over 10 years. Since joined IBM ISSW, He has been a top contributor to successful client engagements and service delivery, As mobile Architect, Zhong is a recognized leader in developing mobile solutions by using IBM Mobile First Platform.