BigFix Master Class Europe 2025

Technical Session Catalog

Please note this catalog does not include non-technical business presentations such as keynote, roadmap, or welcome sessions. Session catalog subject to further additions and modifications.

BigFix Command Line and Relevance. BigFix REST API Automation for Non-Developers
Create your own BigFix Server Plugin Service
Server Automation with APIs: Streamline Your BigFix Workflows
Effortless Custom Report Writing with BigFix: Tools and Techniques for Success
Unlocking BigFix Efficiency: Advanced Data Queries with Tuple and Join Techniques
BigFix Health: Proactive Strategies for Optimal Performance
Mastering the BigFix Console: Architecture, Performance, and Diagnostics
Exploring BigFix Explorer
Remote Imaging and Domain Joins of Endpoints with BigFix OSD
Expanding BigFix into Privileged Account Management: Automation and Compliance

BigFix Command Line and Relevance. BigFix REST API Automation for Non-Developers

Presented by: *Andrea Capasso, BigFix Technical Advisor*

Session Description:

BigFix administrators and system admins may not have advanced C/C++, Python or Perl development skills, but they are typically proficient in using commands and scripting with bash, cmd, or Powershell. BigFix CLI and other OS commands, along with relevance and action scripting, provide BigFix administrators with the necessary tools to leverage the power of BigFix APIs, even without extensive development expertise.

How this Session will Improve Attendee's Experience and Skills:

While navigating BigFix typically requires human interaction, there are avenues to create streamlined, simple automations without needing to be a coding expert. By cleverly combining elements like the Command Line Interface (CLI), QNA, action scripting and other tools within BigFix tasks, you can construct your own automations and simple integrations. This not only increases efficiency but can also be a rewarding experience as you learn to customize your BigFix environment to suit your specific needs.

What Makes this Session Unique:

Enhance your BigFix proficiency and achieve remarkable outcomes with reduced manual intervention by strategically integrating and orchestrating a suite of tools. This session equips you with a versatile and adaptable template that can be consistently applied to streamline your day-to-day operations, optimize your BigFix endeavors, and elevate your overall results.

Create your own BigFix Server Plugin Service

Presented by: *James Stewart, BigFix Automation Engineer*

Session Description:

We will go through what it takes to create a BigFix server plugin service in Python and demonstrate the mechanisms using previously created plugins which are also available for sharing to build your own capabilities.

How this Session will Improve Attendee's Experience and Skills:

You will learn how to build your own or adapt existing plugins to meet your automation needs.

What Makes this Session Unique:

Advanced use cases for BigFix automation using REST APIs and Python.

Server Automation with APIs: Streamline Your BigFix Workflows

Presented by:*Swapnil Rakhade, BigFix Professional Services and Joseph Abou-haidar*

Session Description:

Learn how to deploy, manage, and modify Server Automation plans using APIs. This session will guide you through creating, tracking, and adjusting automation plans with Python and PowerShell scripts. By the end of the session, you'll have the skills to efficiently automate server management tasks and integrate these processes with monitoring and IT service management (ITSM) tools.

How this Session will Improve Attendee's Experience and Skills:

"This session offers a hands-on walkthrough of the Server Automation API, empowering you to automate and manage complex automation plans. Attendees will leave with the knowledge to simplify and enhance their BigFix operations through API-driven automation."

What Makes this Session Unique:

Discover how to leverage the Server Automation API to automate tier-based patching and seamlessly integrate with monitoring and ITSM tools. This session demonstrates how to create a fully automated server management workflow, reducing manual effort and increasing efficiency.

Effortless Custom Report Writing with BigFix: Tools and Techniques for Success

Presented by: Anouk Shlamovitz, BigFix Technical Advisor

Session Description:

Empower yourself to create visually appealing and highly functional custom Web Reports with minimal technical expertise. Building on the popular session from BigFix Days May 2023, this hands-on lab will guide you through using powerful tools to meet your unique reporting needs effortlessly. Learn to solve various reporting challenges with ease, turning BigFix data into actionable insights tailored to your environment.

How this Session will Improve Attendee's Experience and Skills:

Gain the ability to craft custom reports that perfectly align with your organization’s requirements, all without needing deep technical skills. This session will equip you with the knowledge and tools to unlock new reporting possibilities, making your BigFix experience more dynamic and personalized.

What Makes this Session Unique:

Custom report writing resources are scarce, but this session provides you with the tools and techniques to easily create reports that go beyond standard offerings. Learn to leverage existing tools to do the heavy lifting, making report creation accessible to everyone.

Unlocking BigFix Efficiency: Advanced Data Queries with Tuple and Join Techniques

Presented by: John Talbert, Director of BigFix Professional Services

Session Description:

Developing a specific mindset around the structure and framework of tuples in relevance language, with a focus on the metaphors to spreadsheets and database and how it applies to the larger Efficiency issue with large reporting style session relevance.

What Makes this Session Unique:

Elevate your BigFix querying skills with advanced techniques that offer a new way to think about data management and extraction. This session introduces a fresh perspective on using session relevance for handling complex information joins, ideal for large-scale deployments.

How this Session will Improve Attendee's Experience and Skills:

Develop your ability to use relevance in reporting, integrations and other "at scale" elements where touched by Relevance.

BigFix Health: Proactive Strategies for Optimal *Performance*

Presented by: Duncan McCalla, BigFix Advisory Architect

Session Description:

Unlock expert insights and proven techniques for maintaining peak BigFix performance. This session delves into best practices for analyzing and resolving platform issues, equipping you with the knowledge to prevent problems before they arise.

What makes this session unique:

Gain access to invaluable expertise built on years of hands-on experience across diverse BigFix environments. Learn strategies and insights that go beyond the basics, directly from those who have seen it all.

How this session will improve attendee's experience and skills:

Develop a deeper, more nuanced understanding of BigFix's inner workings. By applying advanced troubleshooting techniques, attendees will enhance the reliability and efficiency of their BigFix deployments, leading to smoother operations and fewer disruptions.

Mastering the BigFix Console: Architecture, Performance, and Diagnostics

Presented by: James Stewart, BigFix Automation Engineer

Session Description:

The BigFix Console is the cornerstone of every BigFix deployment, making it essential for administrators to fully understand its architecture and performance management. This session provides a comprehensive overview of the Console's architecture, followed by actionable guidance on optimizing performance, including both current and upcoming improvements. In the hands-on lab, participants will explore new console diagnostic tools and techniques, allowing them to better understand and manage the Console's behavior in their specific environments.

What Makes this Session Unique:

This session goes beyond basic Console usage by delving into the architectural underpinnings and advanced performance management strategies. It uniquely combines theoretical knowledge with practical, hands-on experience, empowering participants to diagnose and optimize the Console for their specific BigFix deployments.

How this Session will Improve Attendee's Experience and Skills:

Attendees will gain a deeper understanding of the BigFix Console, including how to effectively manage its performance. The hands-on lab will equip them with the skills to diagnose and troubleshoot Console issues, leading to more efficient and stable BigFix operations. This knowledge is crucial for maximizing the effectiveness of any BigFix deployment.

Exploring BigFix Explorer

Presented by: Andrea Capasso, BigFix Technical Advisor

Session Description:

What is the BigFix Explorer, and what are the advantages of implementing and using this new BigFix component?

How this Session will Improve Attendee's Experience and Skills:

BigFix 11.0.2 introduced BigFix Explorer. Few BigFixers may have heard of this new component, and may be struggling to understand what it is, its purpose and why or when it may be beneficial to implement it.

Learn about its place in BigFix architecture, requirements and usage.

What Makes this Session Unique:

Understanding the evolution of BigFix and the purpose of the new components helps administrators to optimize their deployment and to leverage new product functions. Additional flexibility is delivered to improve reporting with BigFix.

Remote Imaging and Domain Joins of Endpoints with BigFix OSD

Presented by: Brad Sexton, BigFix Technical Advisor

Session Description:

Go through the process of what all is needed to stand up this process. BigFix OSD will be needed, BigFix MCM will be needed. This process will merge the two technologies and reimage a remote machine, bulk enroll the device in MCM, do an offline domain join, install the VPN client that will allow connection before login. Once the user authenticates the machine is fully on the domain.

How this Session will Improve Attendee's Experience and Skills:

Being able to remotely image a machine has been possible with BigFix for a while. The PC would not be able to join the domain remotely without handholding to the end user. This will enable a seamless process to remotely imaging a machine.

What Makes this Session Unique:

This zero touch process has no dependency with Azure or Autopilot and is strictly implemented using BigFix MCM and OSD. This is a game changer for those who need remote imaging of endpoints and want flexibility in their rollout.

Expanding BigFix into Privileged Account Management: Automation and Compliance

Presented by:*Swapnil Rakhade, BigFix Professional Services and Joseph Abou-haidar*

Session Description:

Learn how to effectively leverage and expand BigFix capabilities into Privileged Account Management (PAM). This session demonstrates using the BigFix Self-Service Application to securely enable self-service privilege escalation. You'll also learn how to utilize BigFix to create and deploy scheduled tasks as policies in Windows environments, enforcing privileged account policies and automatically remediating non-compliant accounts. Additionally, the session covers methods for capturing privileged account data within BigFix analyses, replicating this data into BigFix Insights, and visualizing compliance via dynamic dashboards in Power BI.

How this Session will Improve Attendee's Experience and Skills:

Discover how to extend BigFix functionalities beyond their conventional use cases. This session highlights the potential of BigFix for secure self-service privilege escalation, advanced Windows policy enforcement through scheduled task deployment, automated compliance remediation, and robust reporting. By uniquely combining self-service capabilities, scheduled task automation, compliance enforcement, and integrated reporting with BigFix and Power BI dashboards, attendees will experience an end-to-end Privileged Account Management automation strategy.

What Makes this Session Unique:

This hands-on session provides attendees with practical skills to enhance Privileged Account Management workflows using BigFix. Participants will gain expertise in creating and managing scheduled tasks in Windows through BigFix, automating policy compliance validation for privileged accounts, and improving overall security posture and administrative efficiency.