Enterprises are moving their IT infrastructure from traditional, on-premise data centers to the cloud because of the obvious benefits provided by the cloud; features such as greater workload elasticity, increased operational agility, improved resource availability and reliability, and a utility pricing model all contribute to a logical business decision. Most organizations are also embracing a multicloud strategy that renders more provider choices to their customers, allowing them to deploy workloads to avoid vendor lock-in or to take advantage of best-of-breed services.

As organizations are deploying IT workloads in the multiple clouds, many have faced challenges in managing security and staying compliant:

- Each cloud comes with a whole new set of services or management tools, which existing IT infrastructure or administration teams struggle to adopt.
- With more flexibility rendered to development or operation teams to instantiate new cloud workloads, it is difficult for IT ops and security teams to have full visibility to all cloud workloads, let alone to manage or secure them.
- Most organizations have a hybrid environment across cloud and on-premises, but, regardless of where those workloads are running, all regulatory mandates and fundamental security hygiene tasks such as patching to remediate vulnerabilities or ensuring secure configurations still broadly apply. IT Operations teams know that it is ineffective to use different solutions to manage or secure workloads running on-premises and in the cloud, and even harder to integrate data across various environments to demonstrate compliance.

BigFix’s well-established endpoint management capabilities have been extended to support multicloud environments, providing a single solution for organizations to identify, manage and secure workloads across multiple clouds as well as to their on-premise endpoints in a consistent and effective manner. BigFix enables organizations to embrace the multicloud strategy while keeping endpoints secure and continuously compliant.

**Highlights**

- A single solution to manage and secure cloud workloads across Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform, eliminating the need to acquire and deploy each cloud provider’s native services.
- Continuously discover all cloud instances; apply patches, and track security configurations and software inventory to ensure workloads meet security and compliance standards.
- The same infrastructure is leveraged to manage cloud workloads and on-premise endpoints, significantly reducing administration overhead while consistently meeting security and compliance requirements.
## Simple deployment

BigFix deploys a simple and expandable architecture to manage workloads across multiple clouds. A Plugin Portal server acts as a focal point to manage all communications between BigFix and vendor clouds using cloud native APIs. This allows an existing BigFix deployment to be leveraged and quickly extended to perform cloud management with minimal effort. The Plugin Portal includes support for Amazon Web Services (AWS), Microsoft Azure, and Google Cloud Platform (GCP) at no additional cost.

## Efficient cloud workload discovery

Cloud sprawl is a major challenge facing organizations today. Without being able to identify all cloud workloads, it is impossible to secure them. With BigFix multicloud management, all Virtual Machine (VM) based cloud instances are quickly identified and reported on using the BigFix Console or WebUI. The properties of each VM are retrieved using cloud-native APIs without a need to install a BigFix Agent. If desired, a customer can choose to install a BigFix Agent on a VM instance to retrieve more properties and enable patch and configuration management. All properties reported via the cloud API or the BigFix Agent are aggregated for comprehensive reporting. By tracking all cloud instances in a single pane of glass, as shown below, customers can efficiently identify unmanaged cloud instances and take additional actions if necessary.

BigFix provides visibility to all your endpoints, from on-premise to cloud.
Continuous compliance

Once a BigFix Agent is installed on a cloud instance, all existing BigFix functionalities and benefits, such as applying patches to remediate vulnerabilities, continuously assessing security configurations and remediating non-compliance, and identifying unauthorized software applications can be comprehensively applied to cloud workloads as with any other endpoint. Each cloud instance can be fully managed and made compliant with regulatory mandates or organization policies, just as with a server running in the data center or an employee desktop or laptop anywhere in the world.

A single solution for cloud and on-premise

Although almost all organizations are moving their workloads to the cloud, there remain on-premise endpoints that need to be managed and secured. With BigFix, an organization can now manage both types of endpoints using a single infrastructure and management model. A single solution enables an organization to reduce total endpoint management costs, expedite the transition of workloads from on-premise to cloud, and consistently meet security and compliance requirements.

Why BigFix?

The HCL BigFix endpoint management platform helps IT Operations with Continuous Compliance and Intelligent Automation to manage over 100 operating system versions, enabling streamlined management processes, tool consolidation and operational cost reduction.

Unlike complex tools that cover a limited portion of endpoints, the unified architecture of BigFix can effectively manage and ensure compliance of all servers, desktops, and mobile devices whether they are in the office, at home or in the cloud. BigFix can find and fix endpoints faster than any other solution – delivering greater than 98% first-pass patch success rates.

BigFix integrates with leading vulnerability management solutions like Tenable and Qualys to dramatically reduce the time required to remediate vulnerabilities. It also extends its well-established endpoint management capabilities to AWS, Azure, and Google clouds, enabling organizations to use a single solution to manage multiple clouds and on-prem in a consistent manner.

The unique approach of BigFix, coupled with thousands of out-of-the-box security checks, will enhance your security posture and automate the fight against ransomware and other cyberattacks.

The BigFix Family

BigFix is the only endpoint management platform that enables IT operations and security teams to fully automate the discovery, management and remediation of vulnerabilities and assets – for every endpoint, whether its on-prem, virtual, cloud or mobile – regardless of operating system, location or connectivity. BigFix empowers businesses and organizations to find more, fix more and do more, faster.

The BigFix family includes:

- **BigFix Lifecycle** to automate endpoint lifecycle management by enabling software and operating system deployment, continuous compliance, self-service software catalog, power management, server automation, and vulnerability remediation
- **BigFix Compliance** to continuously monitor and enforce endpoint security configurations and ensure compliance with regulatory or organizational security policies using thousands of out-of-the-box compliance checklists.
- **BigFix Inventory** to discover and manage over 100,000 software titles, reduce software license costs and mitigate security risks of unauthorized software.
- **BigFix Insights** unifies and analyzes data from BigFix and third-party solution providers with deep analytics, new business processes and powerful reporting.
- **BigFix Mobile** extends modern endpoint management capabilities to iOS and Android devices.


For more information

To learn more about BigFix, contact your HCL Software representative, HCL Business Partner, or visit [www.BigFix.com](http://www.BigFix.com).

About HCL Software

HCL Software, a division of HCL Technologies (HCL) develops, markets, sells, and supports over 30 product families in the areas of Customer Experience, Digital Solutions, DevSecOps, and Security and Automation. HCL Software is the cloud native solution factory for enterprise software and powers millions of apps at more than 20,000 organizations, including over half of the Fortune 1000 and Global 2000 companies. HCL Software’s mission is to drive ultimate customer success with its IT investments through relentless product innovation.

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