IBM® WebSphere® Automation

Automate operations to quickly unlock value with increased security, resiliency and performance

Organizations are challenged to transform quickly and maximize ROI, while keeping traditional and modern applications running together securely. Reclaiming productivity is key to giving teams back the time required to innovate and build resiliency.

Unfortunately, massive transformation programs are hard to greenlight and most fail to deliver immediate results. According to Gartner, AI augmentation will recover 6.2 billion hours of worker productivity in 2021[1] – time that can be invested in creating a solid and secure base for WebSphere transformation.

By leveraging AI and automation, organizations can achieve immediate savings and business benefits, while laying a solid and secure technology foundation for future growth.

With AI and automation, teams can modernize and secure their IT estate as well as adapt and respond to incidents efficiently. WebSphere system administrators can reduce the cost, effort, and risk of addressing vulnerabilities and anomalies, automate critical activities, preserve uptime and remediate capacity incidents.

IBM WebSphere Automation makes business efficiency and resiliency standard. It helps teams work less on maintenance tasks and gives time back to focus more on strategic activities, to extend the life, increase the ROI, and unlock new value from WebSphere investments.

Highlights

- Secure operations by automatically detecting and acting on risks quickly to ensure continuous compliance.
- Build resiliency to recover from anomalies with immediate insights and improve the speed and depth of understanding of outages as they occur.
- Optimize runtimes and apps to quickly identify and apply important application tuning parameters to avoid business disruptions.

Benefits

Secure operations to reduce risk and meet compliance.
Secure operations by automatically detecting and acting on risks quickly to ensure continuous compliance. Connect teams with the most relevant information through a single dashboard to discover, analyze and remediate common vulnerabilities and exposures across instances. WebSphere operators and administrators save time and embrace DevSecOps by delivering patches efficiently on virtual and container environments to keep operations compliant and secure.

Build operational resiliency.
Learn, recover, and adapt quickly to eliminate disruptions for WebSphere apps on virtual machines and in containers. Take corrective actions to efficiently determine immediate and potential future impact on uptime and service level agreements. Enhance your team's response capabilities to improve the speed and depth of understanding of outages and anomalies as they occur.

Optimize runtimes and applications for operational performance.
Augment the operational experience with access to simplified and consolidated information that enables teams to act and increase business performance. Reduce manual toil and achieve cost and time savings through optimal resource utilization, capacity provisioning and implementation of best practices across environments.

6.2B

productivity hours will be recovered by AI augmentation in 2021

Capabilities

IBM WebSphere Automation is a complete solution to help administrators and operators quickly unlock value with increased security, resiliency and performance.

Secure operations to reduce risk and meet compliance
- Automatically recognize and recommend relevant CVEs for specific server deployments.
- Deliver security patches more efficiently to targeted environments.
- Maintain the notification system for all the security response team members from a central location.

Build operational resiliency
- Sense and respond to security vulnerabilities faster to avoid disruptions for WebSphere apps.

Optimize runtimes and applications for operational performance
- Access consolidated information for a streamlined operational experience.
- Reduce tedious tasks and achieve cost and time savings through optimal resource utilization, capacity provisioning and implementation of best practices across environments.

Start small, scale and standardize on IBM Automation
- Build automation capabilities on top of the IBM Automation foundation for enterprise-level hybrid application management, observability, governance and compliance.

Deployment options

IBM WebSphere Automation is available as a stand-alone offering or as an addition to IBM Cloud Pak® for Watson AIOps. As part of IBM Automation platform, IBM WebSphere Automation includes containerized components and common software services on top of a common automation layer, to manage WebSphere's incidents, hybrid applications, and cost with complete observability, governance and compliance. Deploy virtually anywhere through containers supported by Red Hat® OpenShift® software, on IBM Cloud®, on essentially any existing infrastructure on-premises, or through private and public clouds. Use only the capabilities you need with a fully modular approach that's designed to be easy to consume.

Support

Companies are more connected to the outside world than ever before, and the new architectural, infrastructural and even cultural complexities open new and more risks to the hybrid enterprise.

IBM can meet you wherever you are in your optimization and automation journeys to help you quickly deliver value and increase ROI, all while laying a solid and secure automation foundation to support future growth.

Features and benefits

Management dashboard
Consolidated dashboard increases awareness and response time to common vulnerabilities and exposures (CVEs).

Automated vulnerability tracking
Let WebSphere Automation track new security bulletins across your existing traditional WebSphere and Liberty environments, on virtual machines or containers.

Contextual notifications
Receive security bulletin notifications only when new vulnerabilities affect the environment you manage, reducing noise and interruptions to the WebSphere operations team.

Shared, live visibility to key stakeholders
WebSphere operators and security compliance teams can see the real-time security posture of the WebSphere estate, accelerating action and minimizing the risk of miscommunication.

Seamless integration with the IBM Automation foundation
Common technology, shared foundational components such as Red Hat OpenShift, and a common user experience enables seamless integration with other IBM Automation offerings such as IBM Cloud Pak for Watson AIOps.

Summary

With automated tooling and insights, IBM WebSphere Automation enables teams to modernize and secure IT estates, adapt and respond to incidents efficiently, and optimize WebSphere operations. WebSphere system operators and administrators can reduce the cost, effort, and risk of addressing vulnerabilities, automate critical activities, and preserve uptime with early detection, notification, and remediation of incidents.

IBM WebSphere Automation helps teams remove manual toil to work less on maintenance tasks and more on strategic activities, while unlocking new value, extending the life, and increasing ROI of WebSphere investments.

IBM WebSphere Automation is part of IBM Automation, a set of shared automation services that help you get insight into how your processes run, visualize hotspots and bottlenecks, and use financial impact information to prioritize which issues to address first.

To learn more about IBM WebSphere Automation, please contact your IBM Representative, your IBM Business Partner, or visit ibm.com/cloud/websphere-automation.

Why IBM?

IBM is a trusted and experienced partner that understands complex, mission-critical applications and how to lower costs, unlock new value from existing applications, and accelerate digital readiness to adapt quickly and safely to changing customer demands.

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Produced in the United States of America
January 2021

1 "Gartner Says AI Augmentation Will Create $2.9 Trillion of Business Value in 2021," Gartner, 5 August 2019, gartner.com/en/newsroom/press-releases/2019-08-05-gartner-says-ai-augmentation-will-create-2point9-trillion-of-business-value-in-2021.

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