

# What's new: Introducing IBM WebSphere Automation and exclusive preview

—  
April 13<sup>th</sup> Webinar

**Announcement:**  
"Soon" (Late April)  
**GA:** Mid-2Q21  
  
*Not Yet Announced*  
Future dates and content  
are subject  
to change



## Keith Whitehead

Worldwide Business Executive,  
WebSphere and Application Platform



## Michael Thompson

Lead Offering Manager,  
WebSphere Automation



# Legal Notice

- IBM's statements regarding its plans, directions, and intent are subject to change or withdrawal without notice and at IBM's sole discretion.
- Information regarding potential future products is intended to outline our general product direction and it should not be relied on in making a purchasing decision.
- The information mentioned regarding potential future products is not a commitment, promise, or legal obligation to deliver any material, code or functionality. Information about potential future products may not be incorporated into any contract.
- The development, release, and timing of any future features or functionality described for our products remains at our sole discretion.
- Performance is based on measurements and projections using standard IBM benchmarks in a controlled environment. The actual throughput or performance that any user will experience will vary depending upon many factors, including considerations such as the amount of multiprogramming in the user's job stream, the I/O configuration, the storage configuration, and the workload processed. Therefore, no assurance can be given that an individual user will achieve results similar to those stated here.

The complexities of today's IT operations make massive transformation projects hard to greenlight, and most fail to deliver immediate results.



**Unprecedented convergence** of technological, social, and regulatory forces

That matches our WebSphere clients' top concerns

**Time to market challenges**

**Complexity of their estates**

**High operational costs**

**Reducing costs**

**Managing complexity**

**Lack of cloud technology experience**



Organizations are **challenged to transform fast** while maximizing ROI, and to keep traditional and modern applications running together.





Left alone  
**40%**

IT budget consumed by **technical debt** compounding through 2025  
(Gartner)

If massive transformation projects are hard to greenlight, and most fail to deliver quick results;

**How do you break through to innovation?**

# Path to innovation is Automation

*Reduce manual toil, unlock new value*

AI augmentation will **recover 6.2 billion hours of worker productivity** in 2021<sup>1</sup>

Unforeseen IT incidents and outages can cost businesses in both revenue and reputation - approximately **\$260,000/hour**<sup>2</sup>

Automation reduces the manual toil of administrative and operations efforts, minimizing the cost and complexity of managing WebSphere and Liberty environments.

**This creates the time and opportunities for higher value activities.**

# WebSphere Automation

**Automate WebSphere operations –*without changing your existing environment*- to quickly unlock value with increased security, resiliency and performance**

## Meets you where you are

**Smaller**, achievable steps toward value, delivering operational efficiencies and cost savings, quickly, for all WebSphere and Liberty clients

## A simple step focused on Ops

**Quick** ROI for customers who are hampered by the complexity of their estate, the lack of cloud technology experience in the data center to keep up with rapid changes, and the constant challenge of rising costs.

## Optimizing WebSphere to drive business value

**Save** time and effort running your application workloads in all WebSphere environments, ***without prerequisites.***

# IBM WebSphere Automation



## WebSphere Automation



# IBM WebSphere Automation



Self Securing



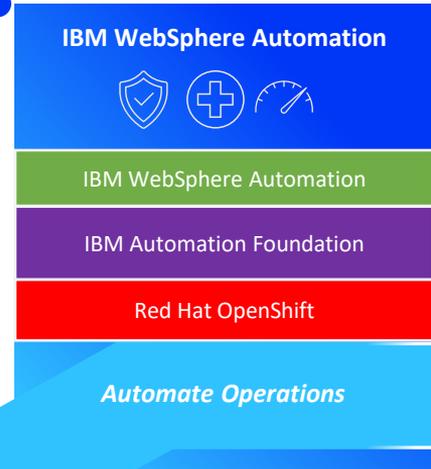
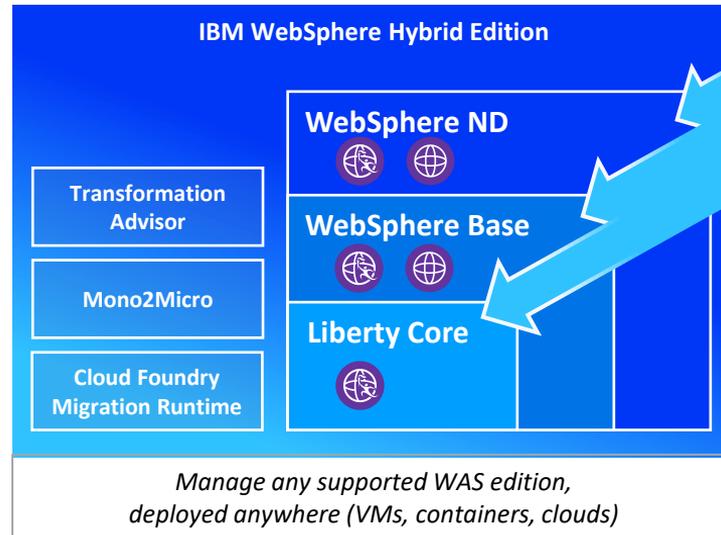
Self Healing



Self Optimizing

**AI-infused automation for WebSphere:**  
Free operations teams from routine “care and feeding” of their WebSphere environments, both traditional WAS and Liberty.

Focus on the strategic priorities of adopting hybrid cloud, and application modernization.



*Add-on to existing WAS*

**Operations for WebSphere runtimes,** both traditional WAS and Liberty, from any edition, can be automated.

# Product Vision : Use Cases

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



## Secure operations to reduce risk and meet compliance

- Present whole WebSphere estate view of security fix currency
- Automatically recognize and recommend relevant CVEs for specific server deployments
- DevSecOps: Provide automated deployment of security patches to targeted environments



## Build operational resiliency

- Sense and respond to conditions to automatically address problems or prevent them occurring
- AI-augmented outage and anomaly detection and remediation using Watson AIOps
- Reduce operational cost required to continuously meet SLAs

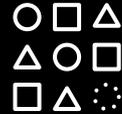
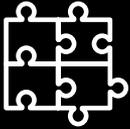


## Optimize runtimes and applications for operational performance

- Smart-tuning recommendations based on observed behavior to maximize overall throughput
- Dynamically tune running of immutable containers to varying hybrid cloud environments

# Anticipated Delivery Roadmap

[roadmap items]



## WebSphere Vulnerability Tracking

Automated tracking and notification of new security vulnerabilities (PSIRT)

## Single dashboard for your entire WebSphere estate

Consolidated dashboard increases awareness and response time to security vulnerabilities

## Vulnerability remediation

Schedule roll out of fixes and patches for vulnerabilities and issues as best for your enterprise

## Assisted problem determination

Assisted feedback and guidance on problem determination and resolution to achieve faster time to recovery

## Automated tuning advice

Discover optimal tuning configuration for production workloads without dedicated tuning environments or deep technical skills

Initial Release, 2Q'21

Continuous Delivery, *Potential Future Content*

# WebSphere Automation

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

## Secure operations to reduce risk and meet compliance

- Detect automatically and act on risks quickly
- Connect teams with the most relevant information through a single dashboard
- Embrace DevSecOps by delivering patches efficiently

## Build operational resiliency

- Learn, recover, and adapt fast to eliminate disruptions
- Enhance your team's response capabilities
- Maintain the response team notification system centrally

## Optimize runtimes and applications for operational performance

- Reduce manual toil
- Achieve cost and time savings through optimal resource utilization
- Augment the operational experience

# Strong capabilities across environments



## Secure operations

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 resiliency

Sense and respond to security vulnerabilities faster to avoid disruptions for WebSphere apps



## Optimize runtimes

Streamline the operational experience with a dashboard that consolidates information across environments

Reduce monotonous tasks and achieve cost and time savings through optimal resource utilization, capacity provisioning

Leverage automation to implement best practices across environments

# DEMO

(Latest Development Driver)

# Address WebSphere operational needs quickly, then add enterprise-wide value with IBM Cloud Pak for Watson AIOps\*

## IBM WebSphere Automation

- WebSphere Vulnerability Tracking
- Single dashboard for your entire WebSphere estate
- Vulnerability remediation
- Assisted problem determination
- Automated tuning advice

## IBM Cloud Pak for Watson AIOps

- Incident resolution
- Hybrid application management
- Observability
- Governance and compliance
- Cost management

### Foundational automation services

- Robotic Process Automation
- Natural language interactions
- Process and task mining
- Event detection
- Machine learning
- 3rd Party integrations
- Operational models



IBM Cloud



AWS



Microsoft Azure



Google Cloud



VMware



Private



IBM Z  
IBM LinuxOne  
IBM Power  
Systems

End points



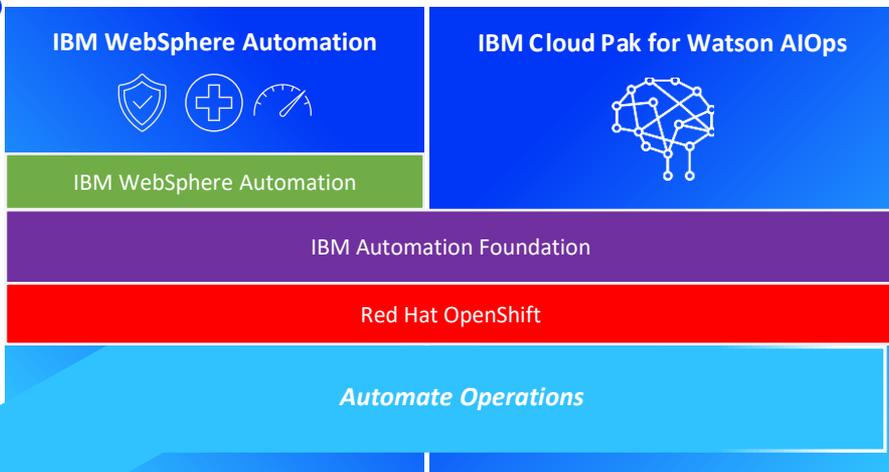
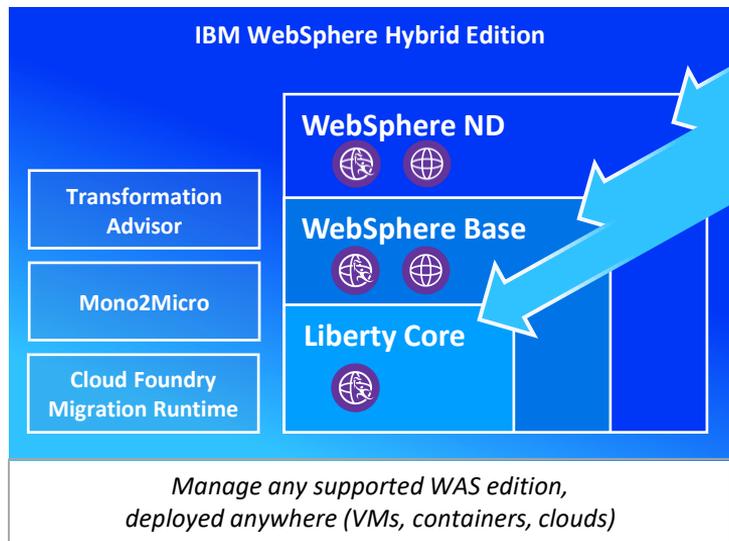
\* IBM Cloud Pak for Watson AIOps is not a prerequisite for IBM WebSphere Automation

# IBM WebSphere Automation & IBM Cloud Pak for Watson AIOps

## AI-infused automation for WebSphere:

Free operations teams from routine “care and feeding” of their WebSphere environments.

Focus on the strategic priorities of adopting hybrid cloud and application modernization.



*Add-on to existing WAS, no AIOps pre-req, built on a common foundation for easy expansion*

**Operations for WebSphere runtimes**, both traditional WAS and Liberty, from any edition, can be automated.

# Get started

## What Clients Are Saying

*"What you are describing is a silver bullet."*

*"This is really right on and very valuable to us."*

*"This provides a ton of value."*

Hear from clients  
at **THINK 2021**



**Schedule**  
a free virtual  
consultation  
with an expert

Available now

**Experience**  
the new user interface  
and data consolidation  
capabilities online

*Coming soon*

Learn more at  
[ibm.com/cloud/  
websphere-automation](https://ibm.com/cloud/websphere-automation)

*Coming soon*

# Thank you

Michael Thompson  
Senior Technical Offering Manager  
IBM WebSphere, IBM  
mcthoms@us.ibm.com  
Twitter and GitHub: @barecode

—  
Keith Whitehead  
Worldwide Business Unit Executive, IBM WebSphere, IBM  
keithw1@us.ibm.com  
linkedin.com/in/keithwhiteheadibm

© Copyright IBM Corporation 2020. All rights reserved. The information contained in these materials is provided for informational purposes only, and is provided AS IS without warranty of any kind, express or implied. Any statement of direction represents IBM's current intent, is subject to change or withdrawal, and represent only goals and objectives. IBM, the IBM logo, and ibm.com are trademarks of IBM Corp., registered in many jurisdictions worldwide. Other product and service names might be trademarks of IBM or other companies. A current list of IBM trademarks is available at [Copyright and trademark information](#).

