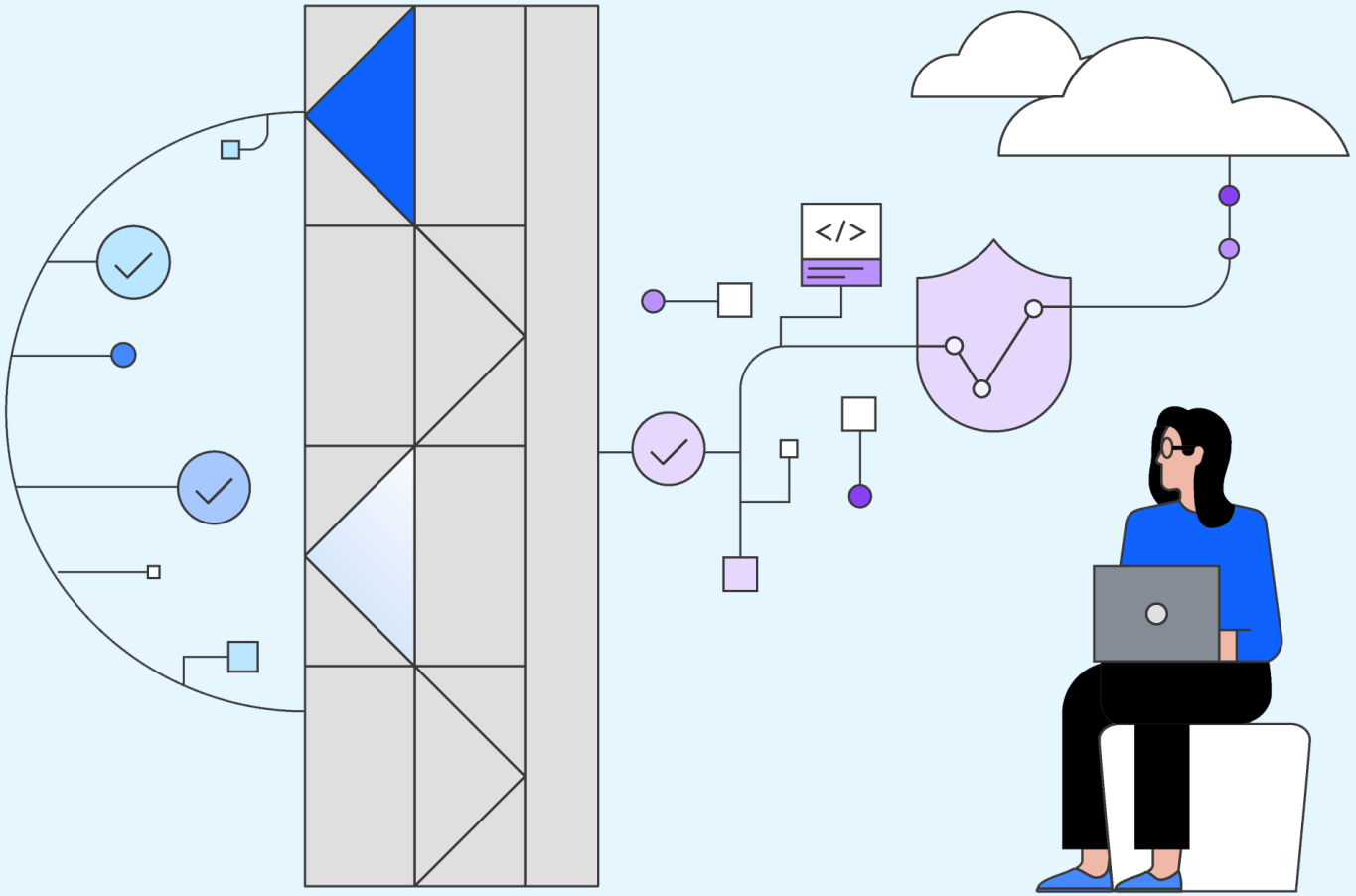
Best practices for taking a hybrid approach to AIOps for IBM Z



AIOps for IBM Z

AIOps for IBM Z® is a powerful technology approach that combines automation with artificial intelligence (AI) and machine learning algorithms.

Improve your systems management, IT operations, application performance and operational resiliency on the mainframe.

Identify issues to reduce outages
Monitor hybrid applications and infrastructure proactively.

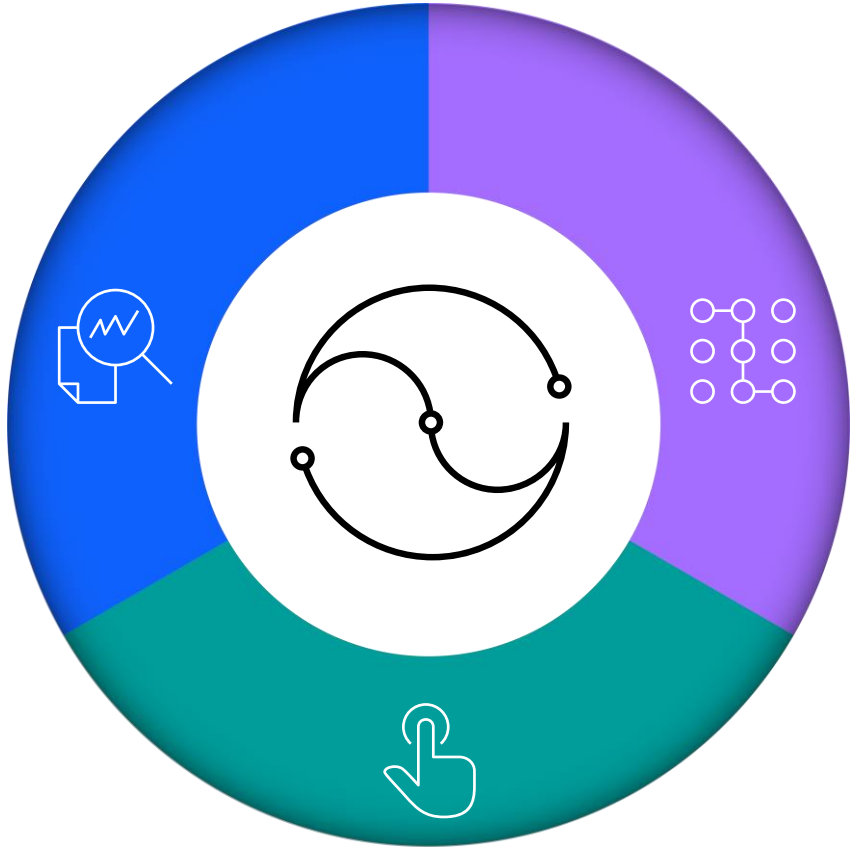
Speed problem determination
Use all data sources to analyze anomalies, isolate problems and identify root causes.

Minimize customer impact
Deploy automation to enhance collaboration for faster incident resolution.

AIOps for IBM Z Framework – IBM Z AIOps

Detect

Monitor hybrid infrastructure and applications and detect issues and anomalies.



Decide

Analyse issues and anomalies to isolate problems and identify root causes.

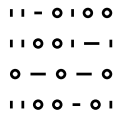
Act

Rapidly respond to reduce the impact on the clients with improved resiliency.

IBM Z AIOps – Detect

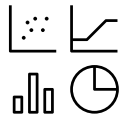
Monitoring

Identify poorly performing tasks quickly for faster resolution with full-stack monitoring for early detection for IBM Z incidents.



Hybrid cloud observability

Avoid blind spots in application observability with end-to-end transaction tracing including z/OS® resources. Find application bottlenecks within code, server resources or external dependencies.



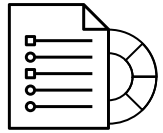
Anomaly detection

Proactive incident detection with real-time AI and machine learning operational anomaly analytics.

IBM Z AIOps – Decide

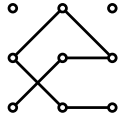
Performance optimization

Access, curate and analyze operational data to help understand and optimize system performance.



Log analytics

Accelerate hybrid incident identification with real-time operational analytics.



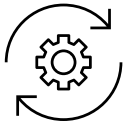
Anomaly correlation

Get visibility into the interactions and dependencies, and correlate anomalous activities across z/OS subsystems.

Cost and capacity management

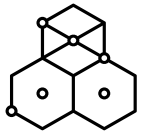
Understand operational costs and make capacity decisions that align with business goals and forecasts.

IBM Z AIOps – Act



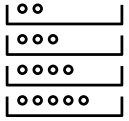
System automation

End-to-end, goal-driven and policy-based system automation for a consistent and reliable automation across the enterprise.



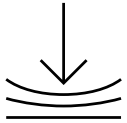
Workload automation

End-to-end workload automation with embedded predictive scheduling for SLA management across enterprise.



Storage automation

Machine aided storage resource management and automated storage tasks across the enterprise for improved SLAs.

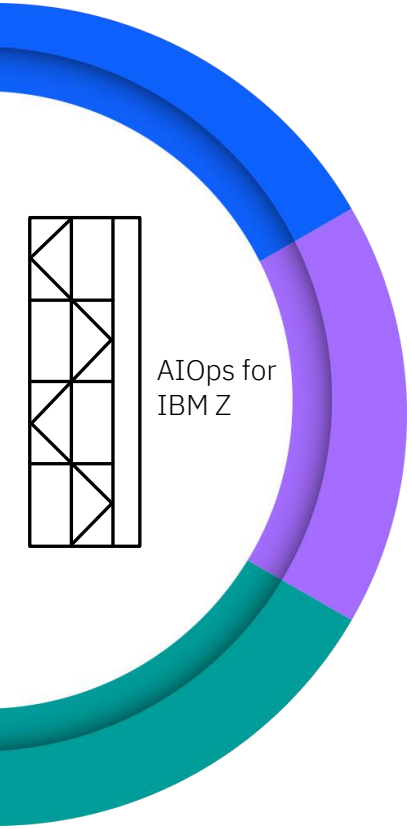


Resiliency

Improve business resiliency and reduce risk by offering immediate insight into data inter-dependencies and vulnerabilities.

IBM Z AIOps Unite – 2025 *

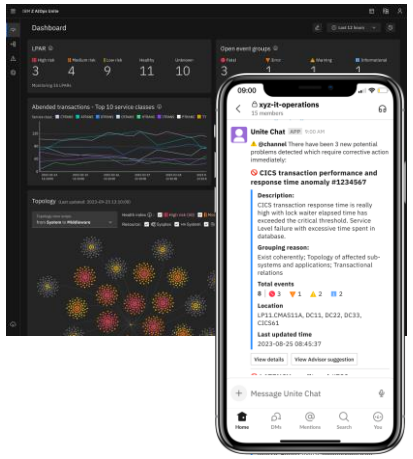
IBM Z AIOps Unite distills the complexity of mainframe operations down to a simplified platform and unified workflow. With built-in IBM Z expertise and the help of AI, IBM Z AIOps Unite empowers to quickly prioritize incoming events, assess business impact, and ultimately take necessary actions.



Detect

Identify and discover problems sooner

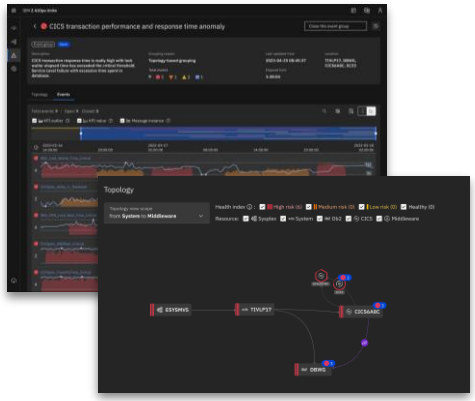
- Aggregates events across IBM Z
- Centralized and cohesive dashboard
- Reduces noise, surfacing only the most critical alerts based on contextualized groups



Decide

Accelerate root cause analysis

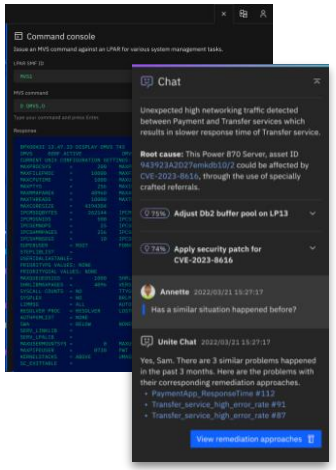
- Correlates and compresses events based on time, topology and recognized patterns
- Topology driven impact analysis to uncover true business cost



Act

Drive confident and actionable changes

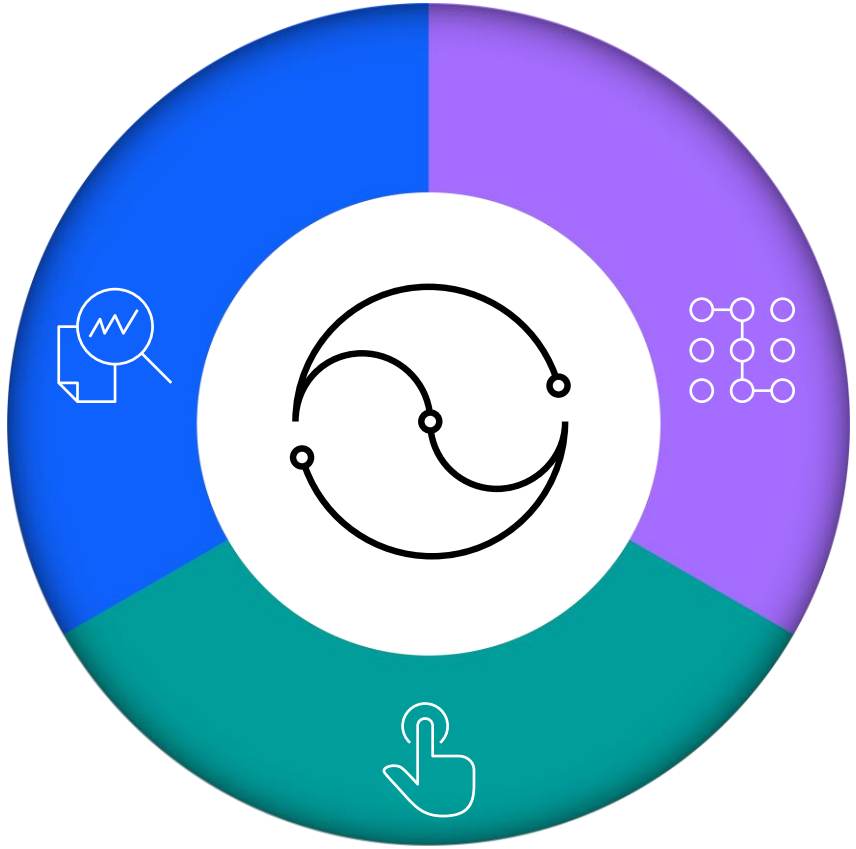
- Embedded Chat for cross team collaboration
- Leverage AI driven recommended actions
- Issue commands and actions from within the same UI



*Statement of direction

All statements regarding IBM's future direction and intent are subject to change or withdrawal without notice and represent goals and objectives only.

Use cases and product mapping



Detect

Monitoring
IBM OMEGAMON®'s
IBM Z Monitoring Suite
IBM Z Service Management Suite

Hybrid cloud observability
IBM Instana Observability
IBM Z APM Connect
IBM zSystems Integration for Observability

Anomaly detection
IBM Z Anomaly Analytics

Decide

Performance optimization
IBM Z IntelliMagic Vision for z/OS

Log analytics
IBM Z Operational Log and Data Analytics

Anomaly correlation
IBM z/OS Workload Interaction Navigator

Cost and capacity management
IBM Z Performance and Capacity Analytics

Act

System automation
IBM Z NetView®
IBM Z System Automation
IBM Z Service Automation Suite

Workload automation
IBM Z Workload Scheduler

Storage automation
IBM Z Advanced Storage Management Suite

Resiliency
IBM Z Batch Resiliency

Additional resources

The AIOps for IBM Z framework and solutions will help determine the next best step

Website

- AIOps for IBM Z

Community

- Stay informed by joining the AIOps for IBM Z community

IBM Z Trials

- Experience the products using IBM Z Trials

Demos/Videos

- AIOps for IBM Z video channel

Podcast

- Listen to clients share their stories on the AIOps Corner Podcast series

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