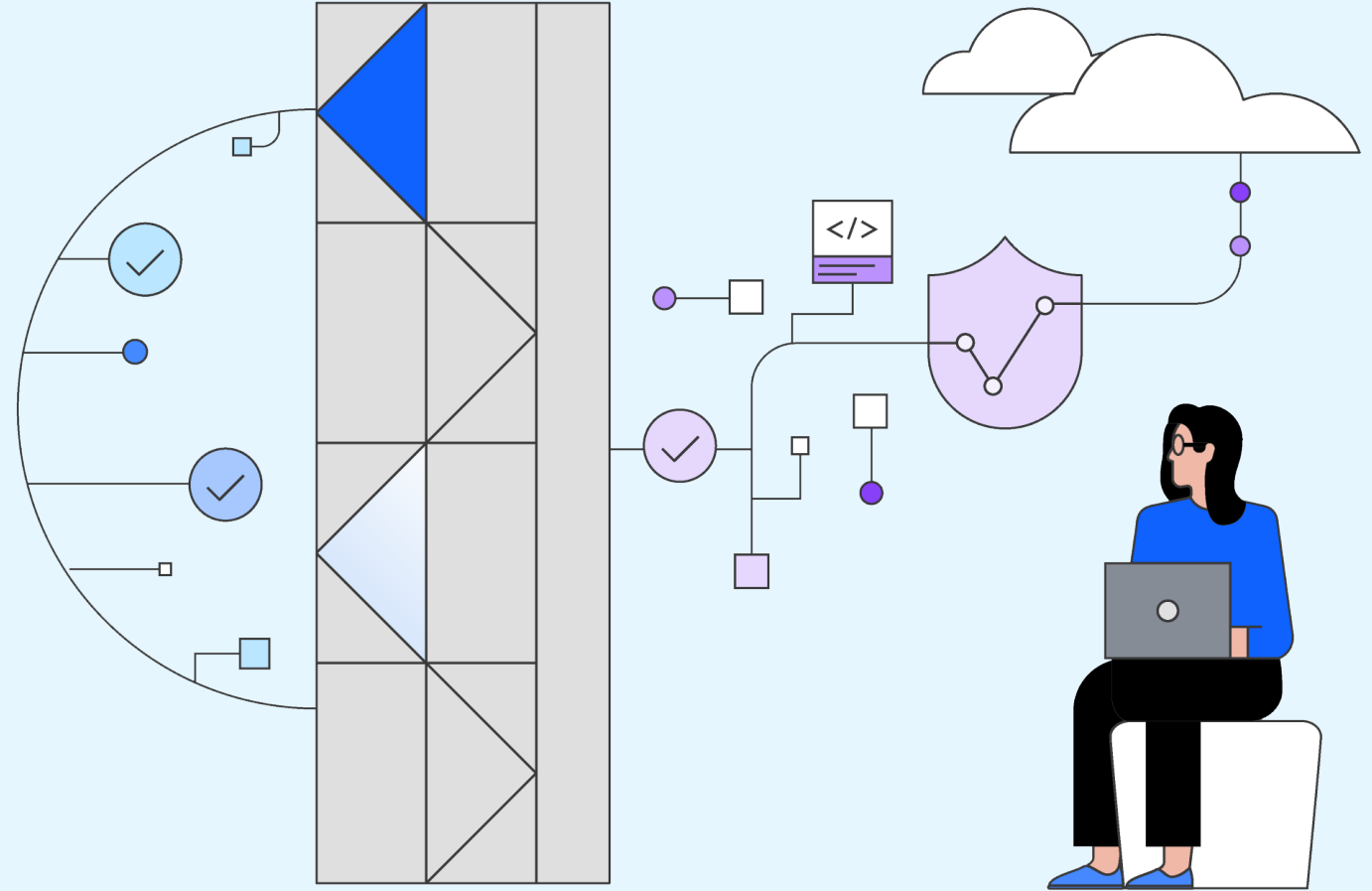


# Best practices for taking a hybrid approach to AIOps for IBM Z



# AIOps for IBM Z

AIOps for IBM Z<sup>®</sup> 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.



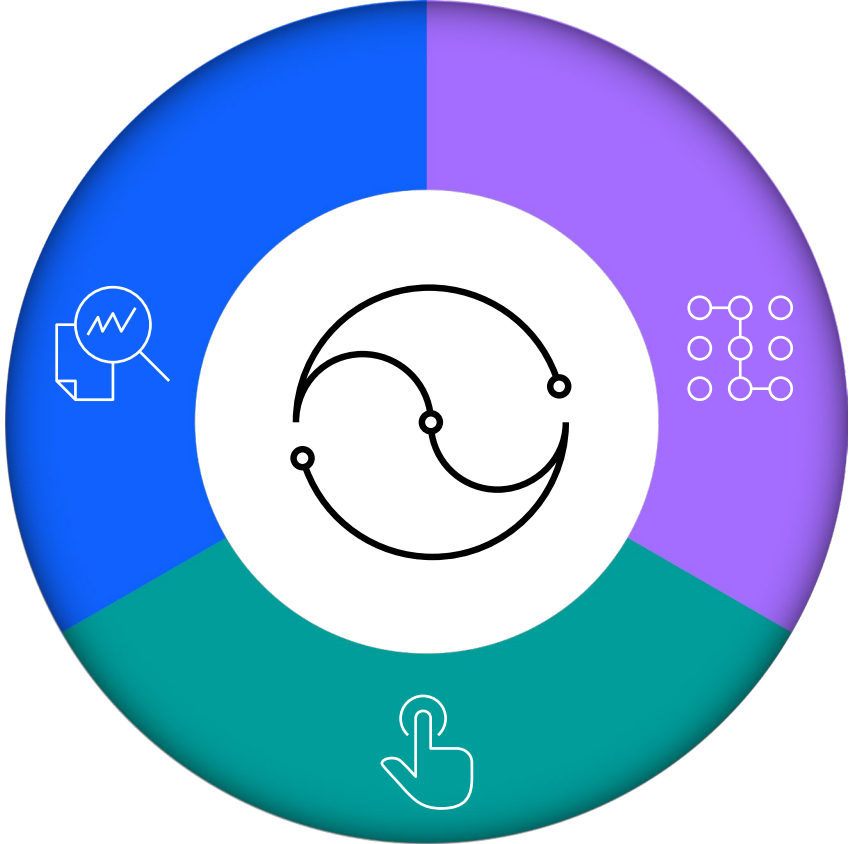
## **Minimize customer impact**

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.



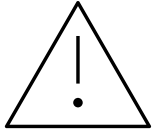
## Decide

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

## Act

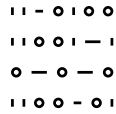
Rapidly respond to reduce the impact on the clients with improved resiliency.

# IBM Z AIOps – Detect



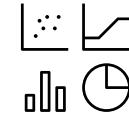
## Monitoring

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



## Hybrid cloud observability

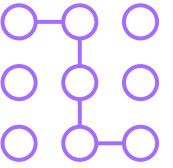
Avoid blind spots in application observability with end-to-end transaction tracing including z/OS® resources. Find application bottlenecks within code, server resources or external dependencies.



## Anomaly detection

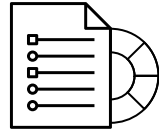
Proactive incident detection with real-time AI and machine learning operational anomaly analytics.

# IBM Z AIOps – Decide



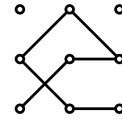
## Performance optimization

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

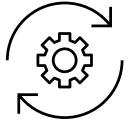
Get visibility into the interactions and dependencies, and correlate anomalous activities across z/OS subsystems.



## Cost and capacity management

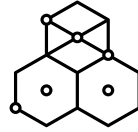
Understand operational costs and make capacity decisions that align with business goals and forecasts.

# IBM Z AIOps – Act



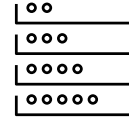
## System automation

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



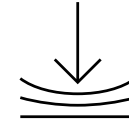
## Workload automation

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 interdependencies 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.



### Identify and discover problems sooner

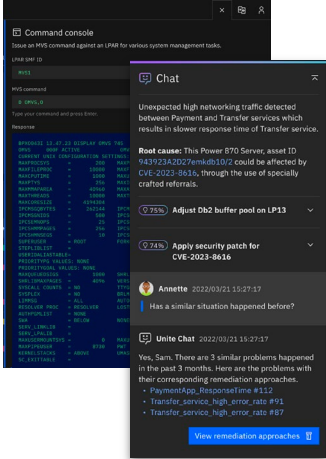
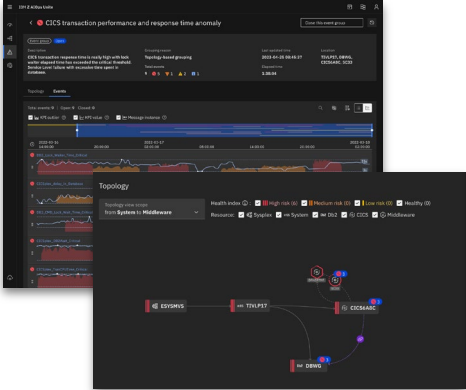
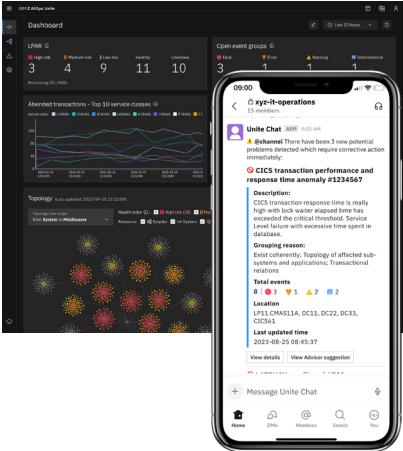
- Aggregates events across IBM Z
- Centralized and cohesive dashboard
- Reduces noise, surfacing only the most critical alerts based on contextualized groups

### Accelerate root cause analysis

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

### 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

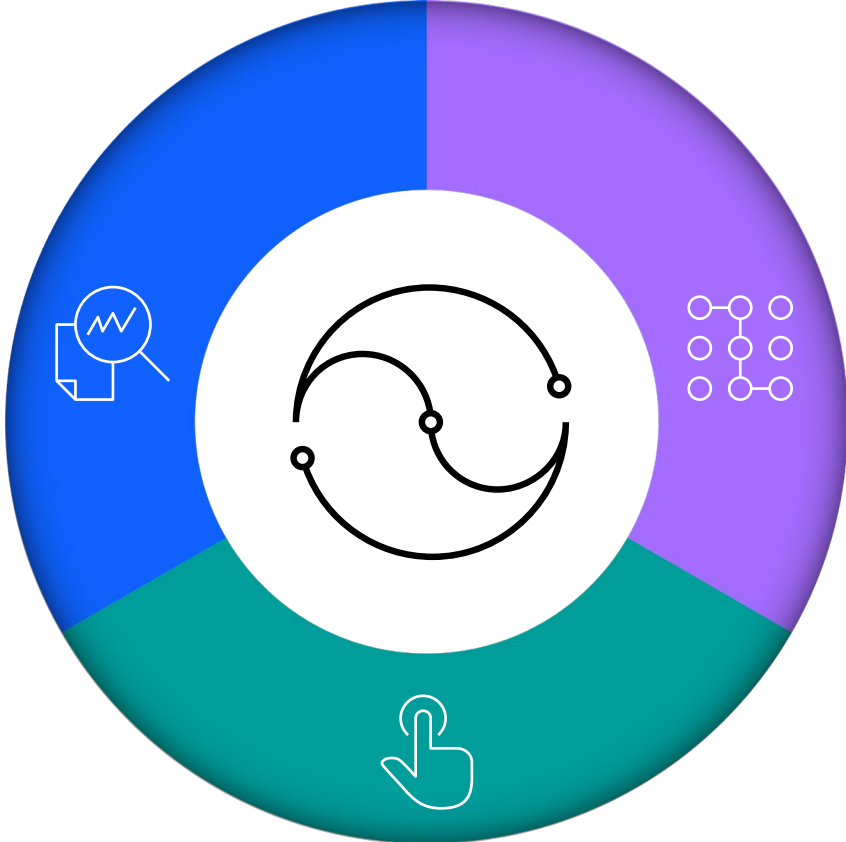
# Use cases and product mapping

## Detect

 **Monitoring**  
[IBM OMEGAMON®s](#)  
[IBM Z Monitoring Suite](#)

 **Hybrid cloud observability**  
[IBM Instana® Observability](#)  
[IBM Z APM Connect](#)  
[IBM Z 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](#)

 **Storage automation**  
[IBM Z Storage Management Suite](#)

 **Workload automation**  
[IBM Z Workload Scheduler](#)

 **Resiliency**  
[IBM Z Backup 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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