

# Azure Application Stability Framework

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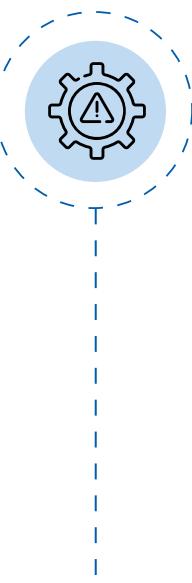
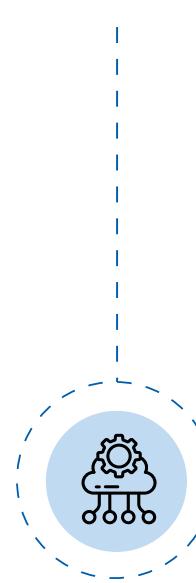
Operating model to reduce MIs, improve SLOs, and ensure resilient customer experiences

# Framework Overview

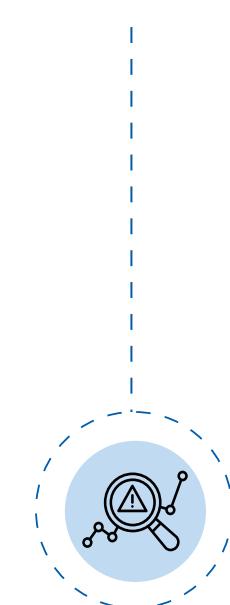
Holistic resiliency model using  
SRE + cloud-native patterns

Detect early

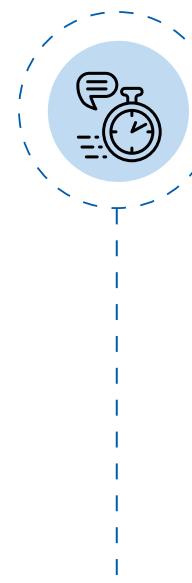
Learn continuously

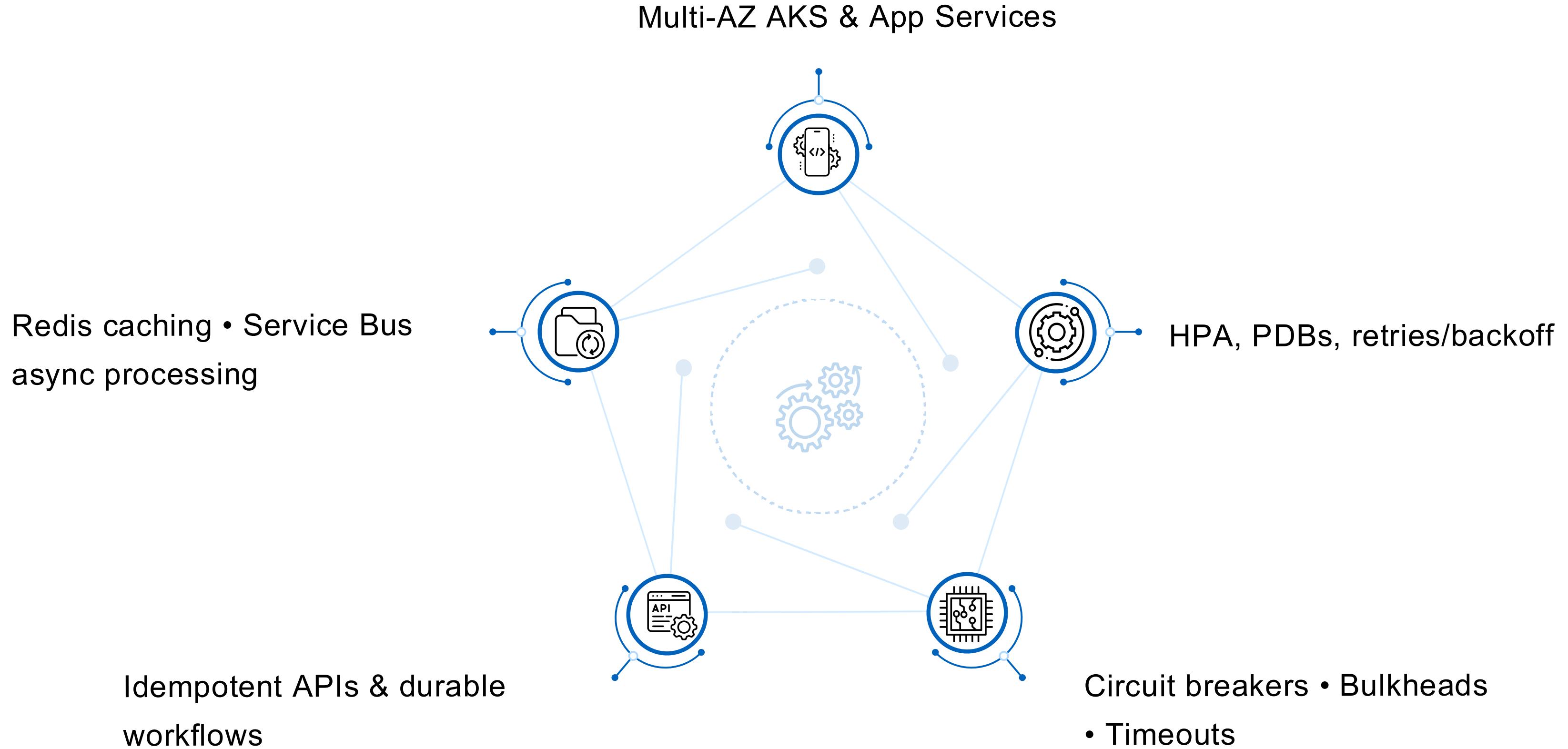


Prevent failures



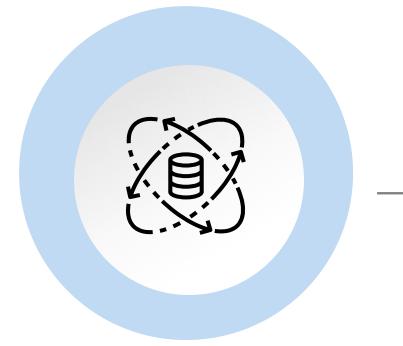
Respond rapidly





# Observability & Telemetry

OpenTelemetry  
everywhere



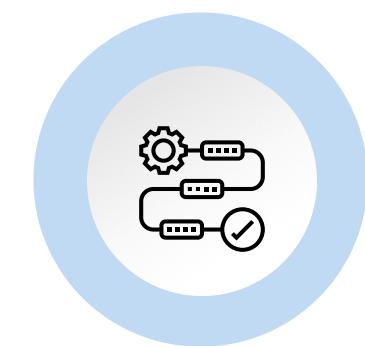
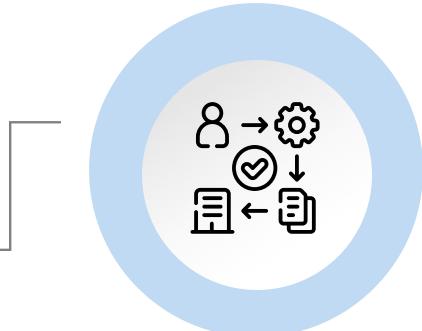
App Insights • Azure  
Monitor • Log Analytics



Prometheus + Grafana dashboards



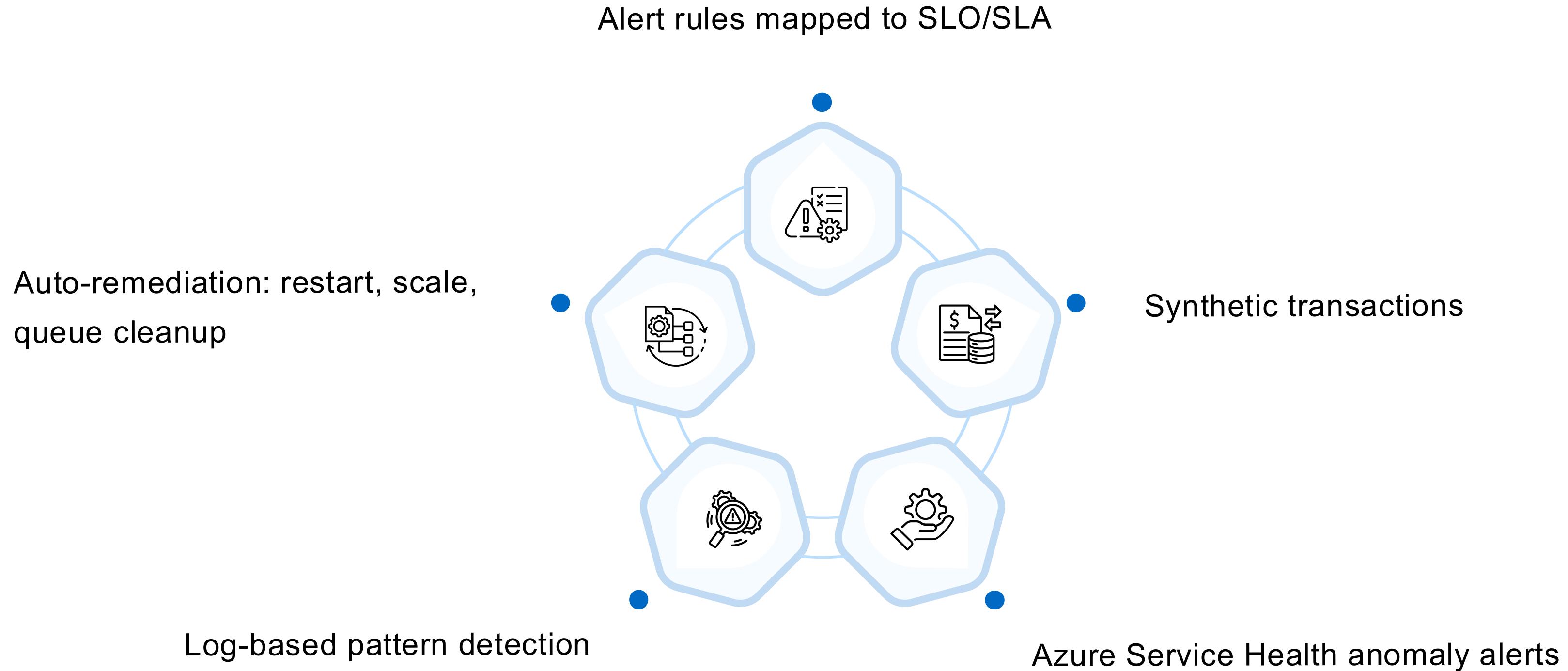
Distributed tracing  
across services



Golden signals:

- Latency
- Throughput
- Errors
- Saturation

# Proactive Monitoring & Alerts

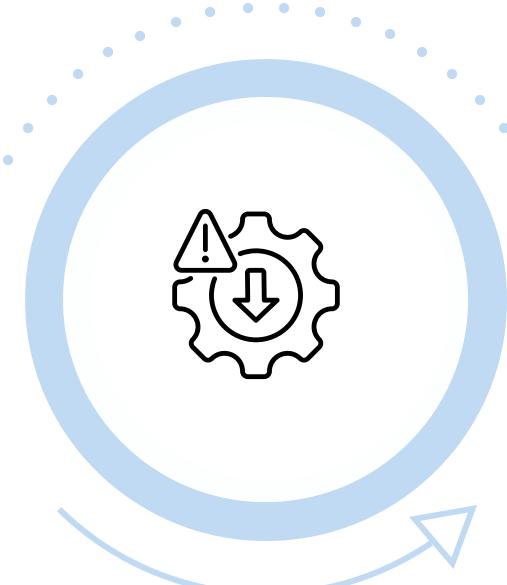


# SRE-Driven Operations

Incident prioritization  
(P1–P3)



Daily SRE standups



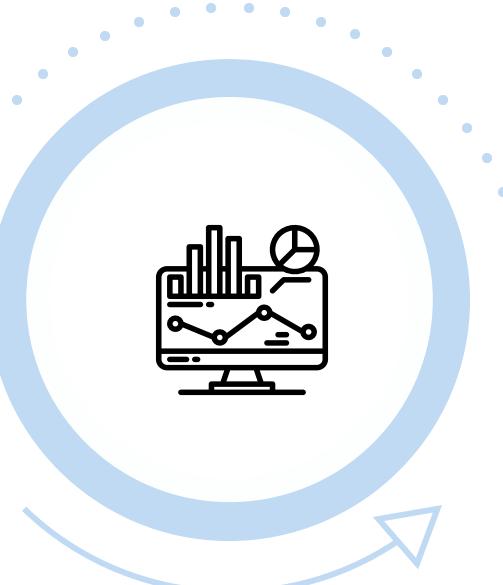
Reliability scorecards  
+ runbooks



MTTR/MTTD reduction  
playbooks

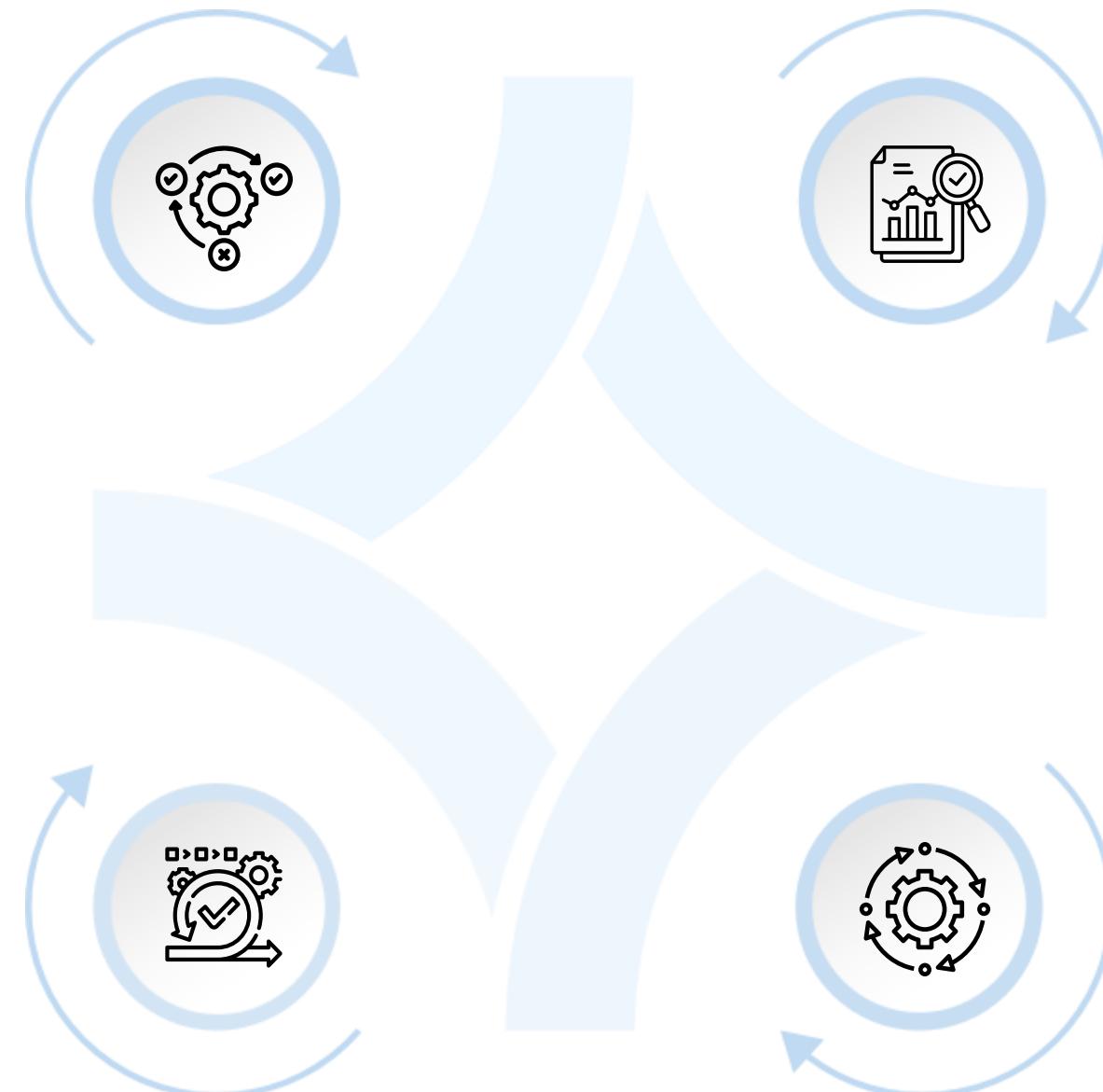


Weekly stability  
reporting



# Governance & Continuous Improvement

Post-incident RCA +  
corrective actions

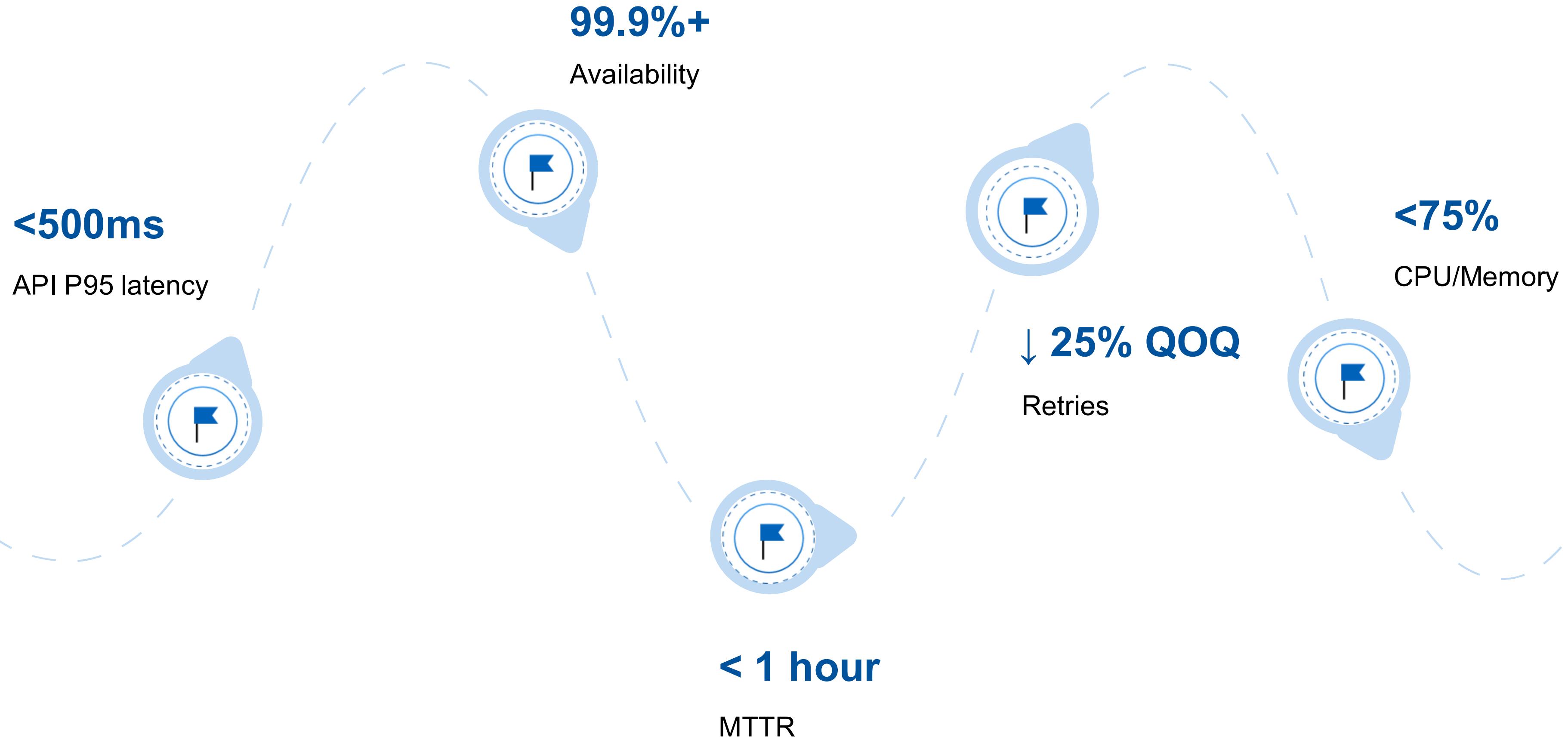


Quarterly chaos &  
failover testing

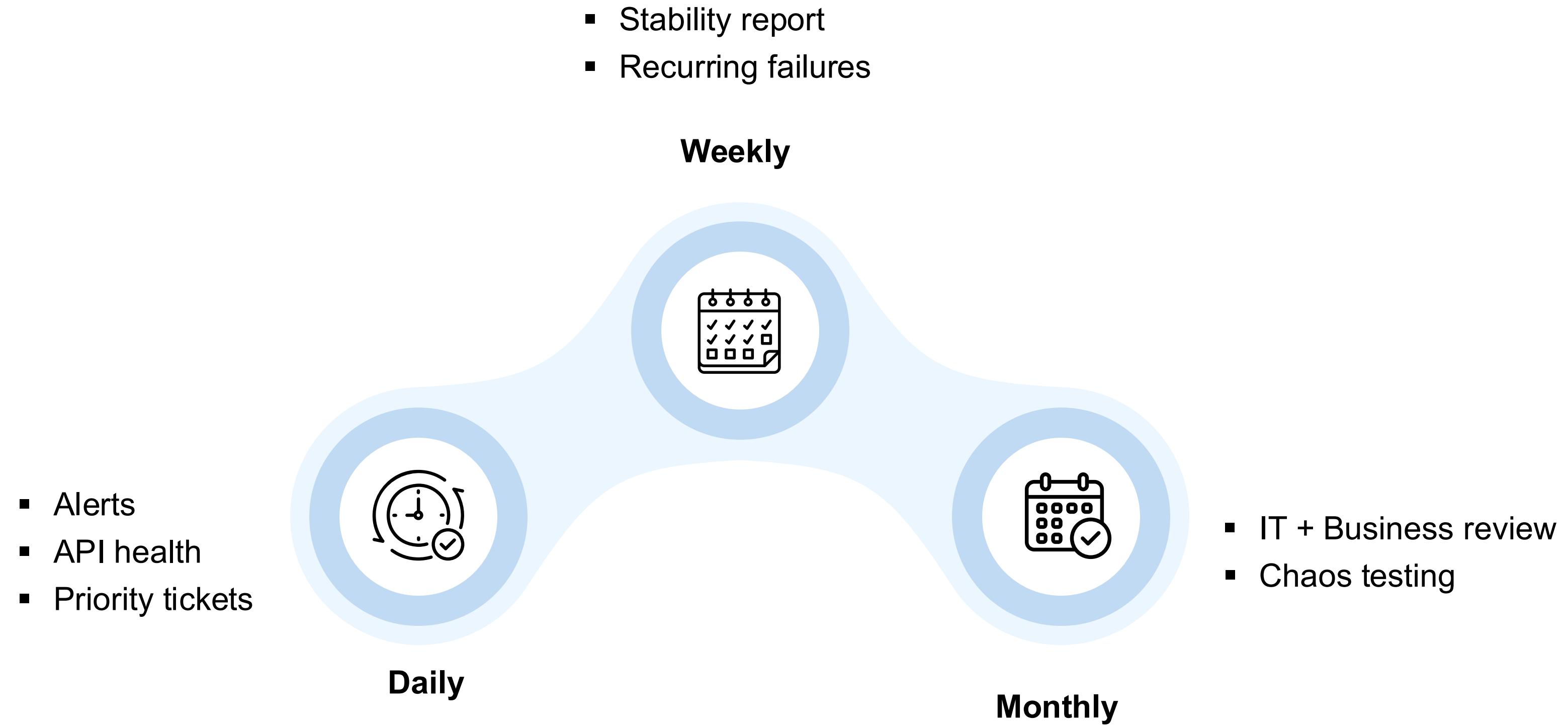
Monthly stability  
reviews

Policy enforcement &  
platform governance

# Executive Stability Metrics



# Operating Model



# Technology Stack



AKS Private Clusters



App Services



Service Bus Topics



SQL MI



CosmosDB



Redis Cache



Azure Monitor



Log Analytics



Grafana



DevOps YAML



Terraform / Bicep



Key Vault

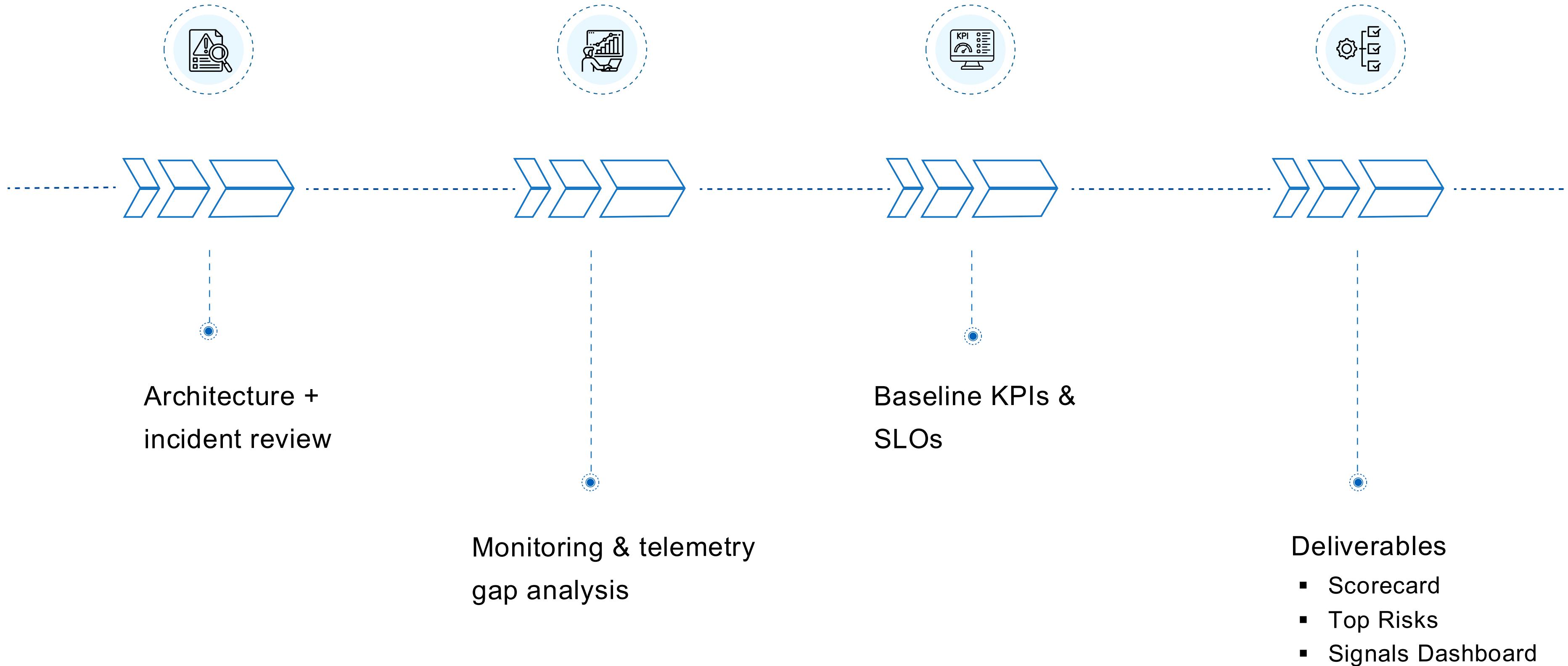


Managed Identities

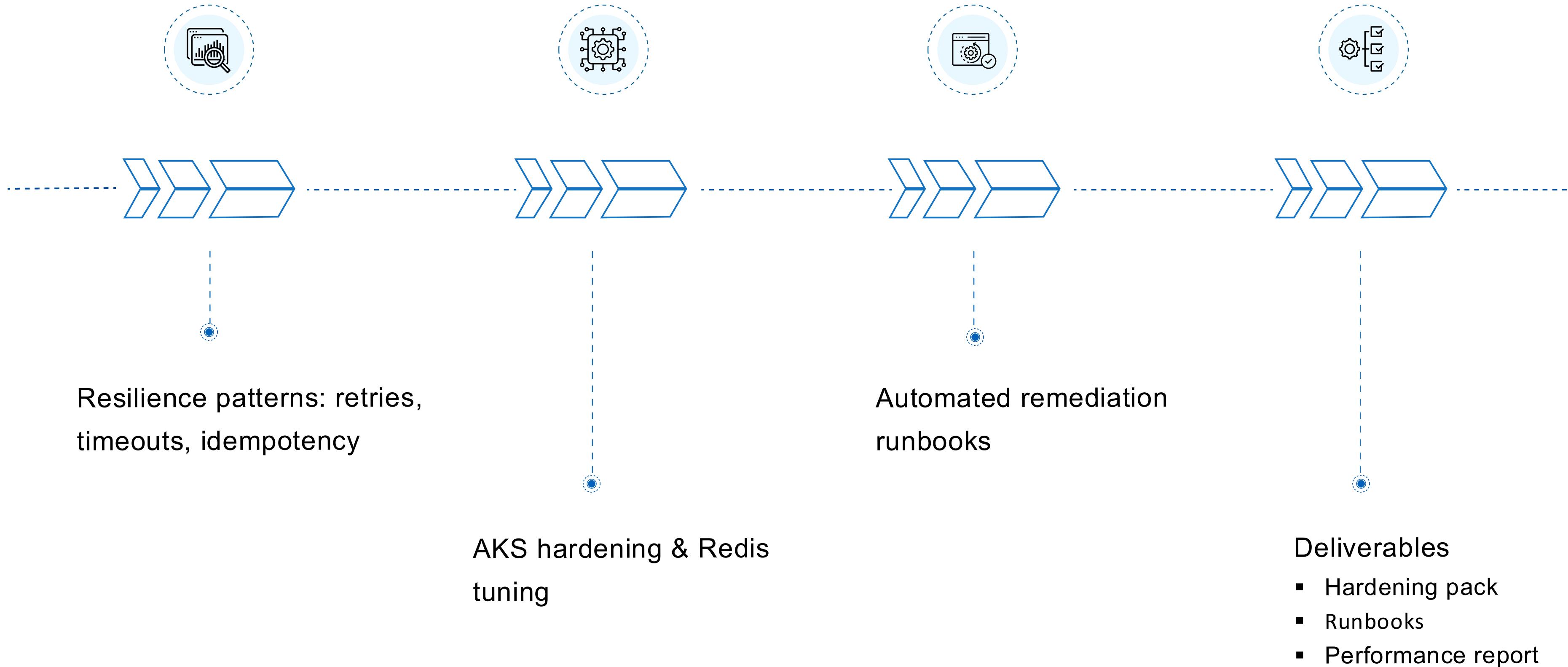


Azure Policy

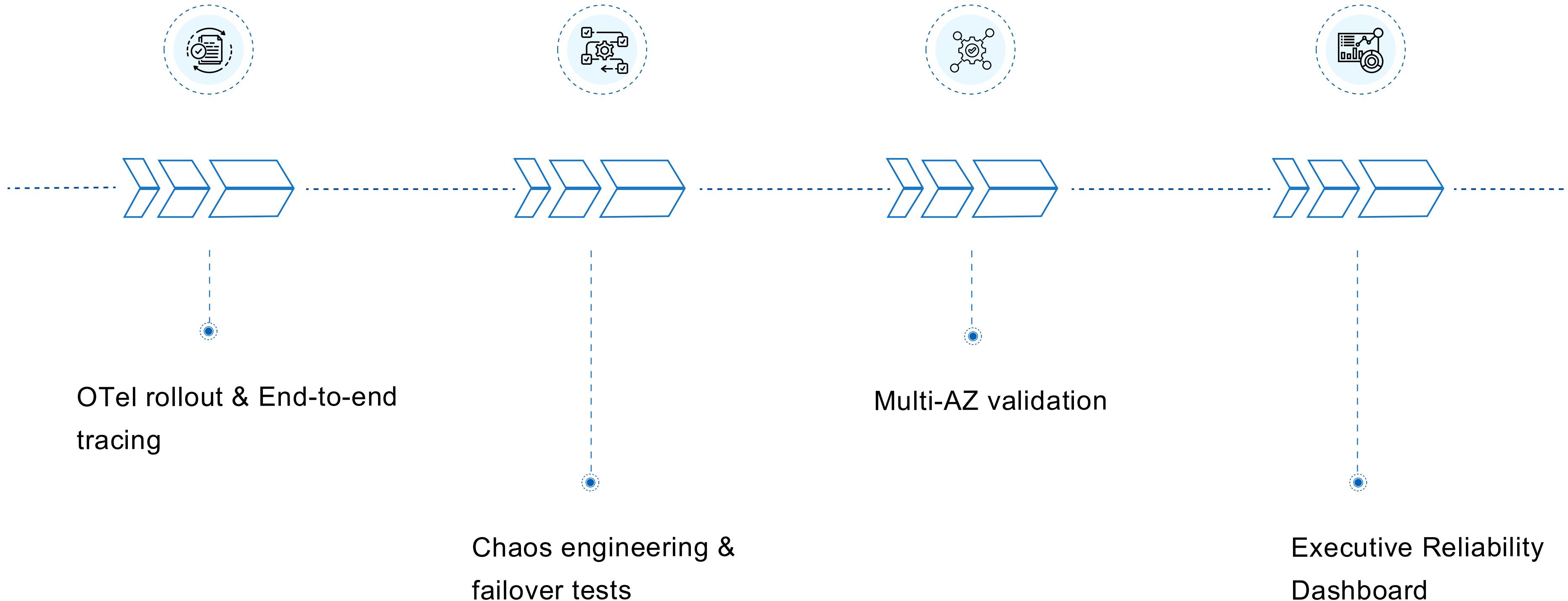
# 30/60/90 Day Roadmap - 0 to 30 Days



# 30/60/90 Day Roadmap - 31 to 60 Days



# 30/60/90 Day Roadmap - 61 to 90 Days



# KPIs & Expected Outcomes



↑ **99.9%+**

SLO availability improved

↓ **20–30%**

P95 latency reduced

↓ **40–50%**

Incident recurrence reduced

↓ **From hours  
to minutes**

Mean time to repair reduced

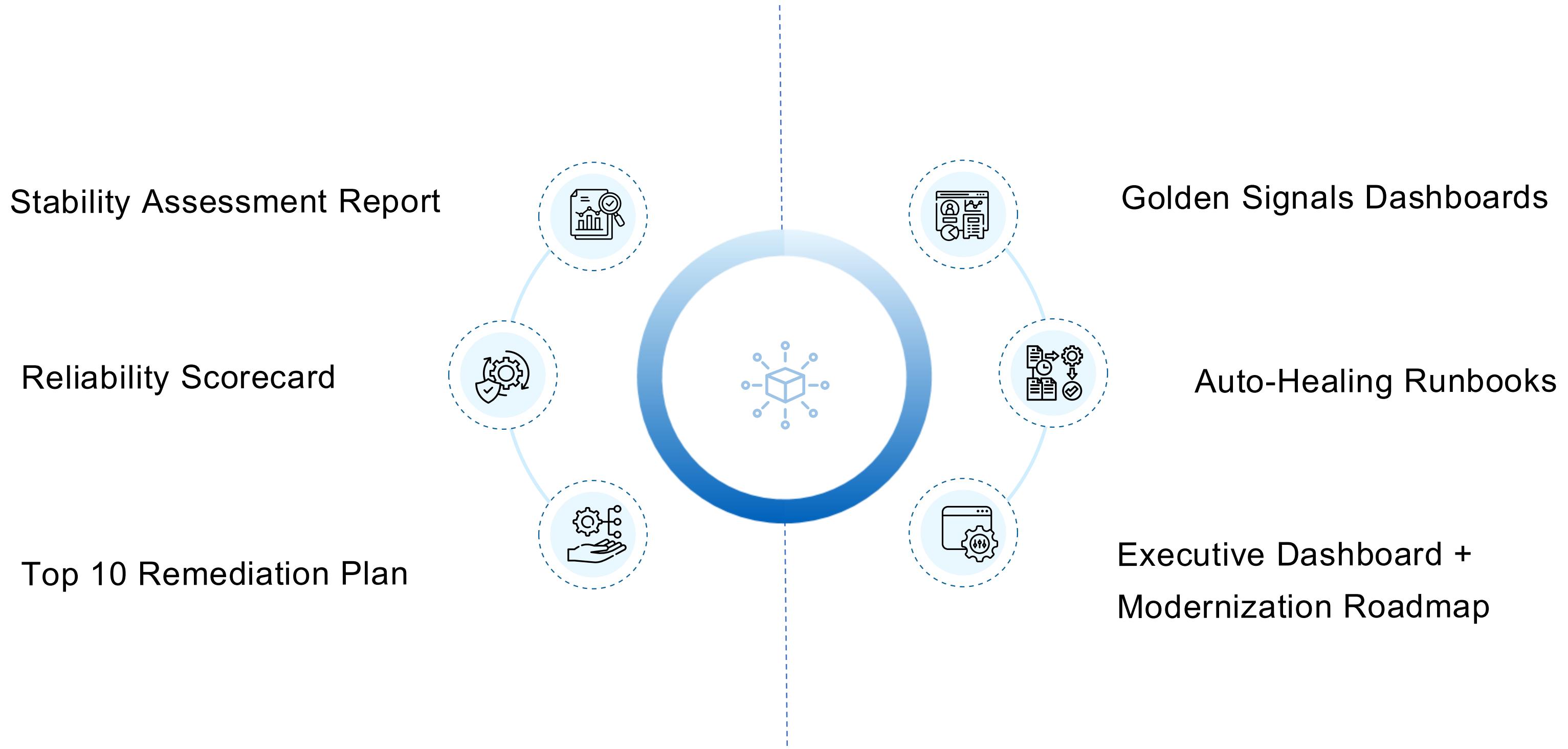
↓ **10–25%**

Azure cost reduced

↓ **30–40%**

Alert noise reduced

# Final Deliverables





# Thank You!

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Innovate. Simplify. Transform: Turning Ideas into Impact