

aws SUMMIT

INDIA | MAY 25, 2023

BUILD003

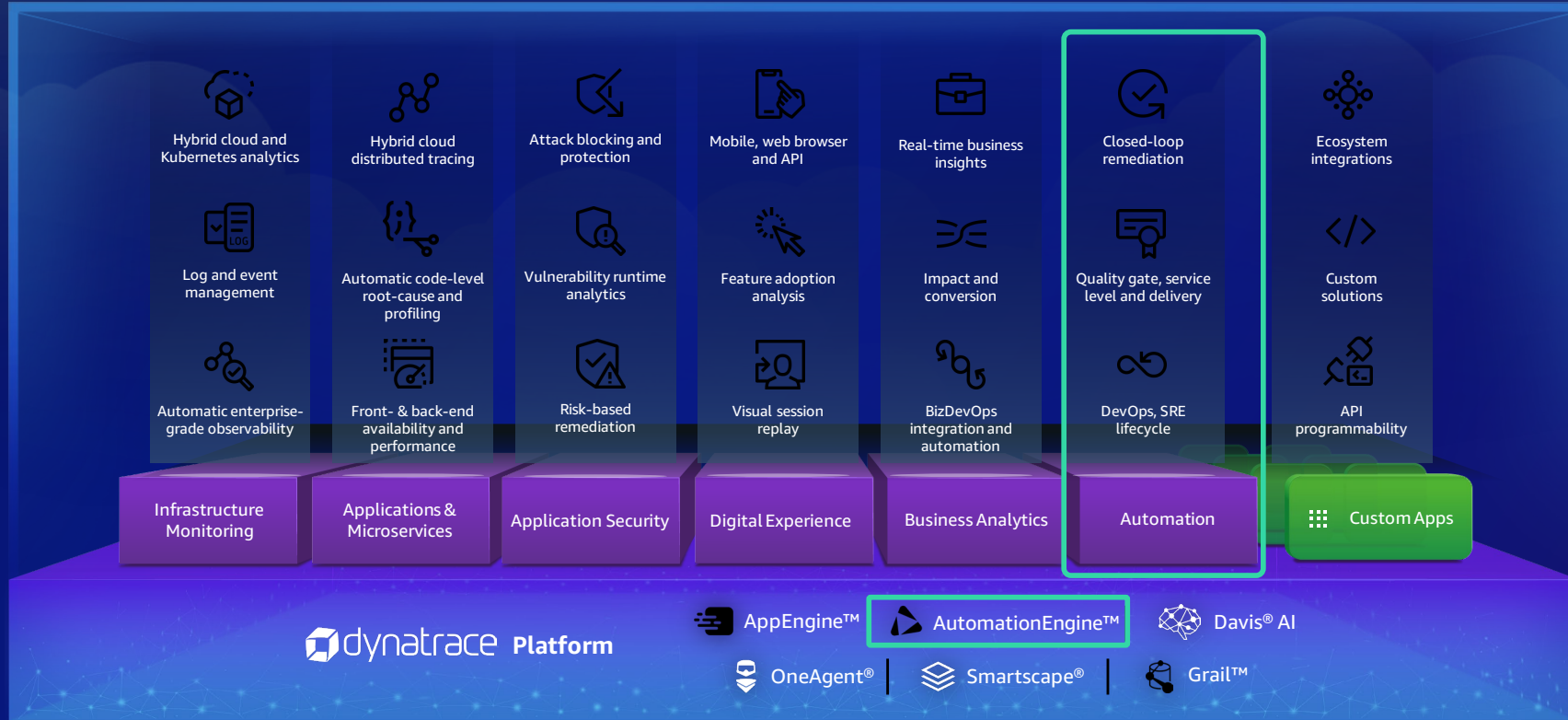
Secure deployments with intelligent automation for DevSecOps

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Dynatrace



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Traces Metrics Logs + Topology Behaviour Code Metadata Network + API OpenTelemetry keptn

625+ Supported technologies



Automatic and intelligent observability and security

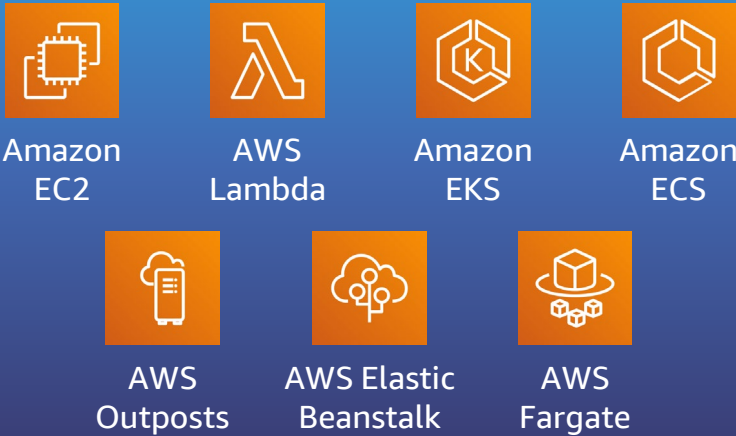
Broadest multicloud and technology support

Strong collaboration with AWS

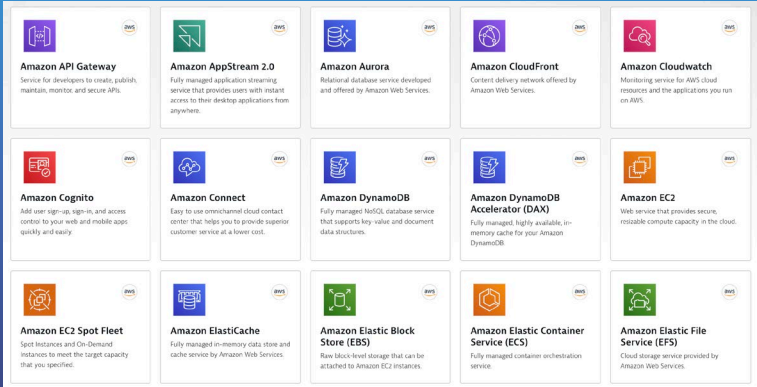


- AWS Lambda Ready
- AWS Outposts Ready
- AWS Graviton Ready
- ML Software Competency
- Govt. Software Competency
- DevOps Software Competency
- Containers Software Competency
- Migration & Modernization Software Competency

Dynatrace real-time observability into dynamic AWS environments



Integrated with Amazon CloudWatch (AWS and hybrid cloud)



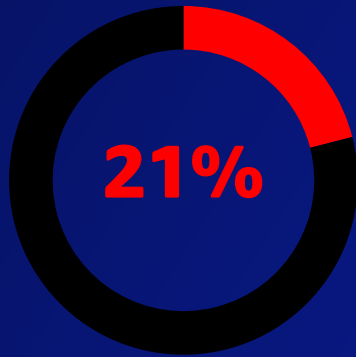
and more...



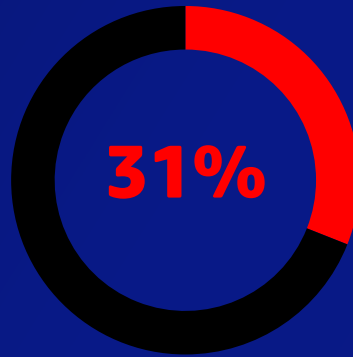
Automation is key to software delivery

**Gartner, State of I&O
Automation 2022**

2023 Global CIO & DevOps Report



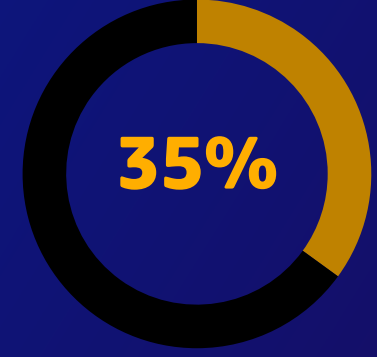
I&O leaders report
high levels of success
in automation
endeavors



DevOps time spent
on manual tasks



Avg spend on
automation across
Dev, Sec & Ops



Avg increase in
automation
investment by 2024

Gartner, State of I&O Automation: 5 Survey Insights,
Infrastructure and Operations Research Team, 30 August 2022

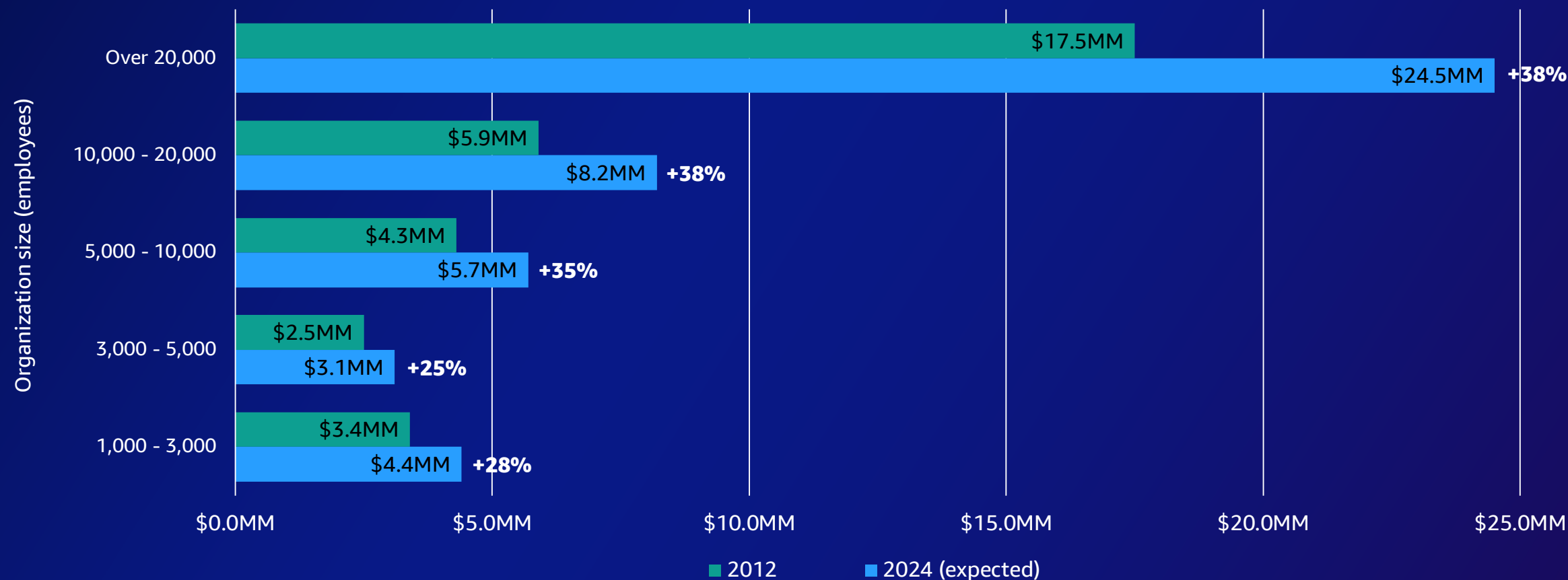
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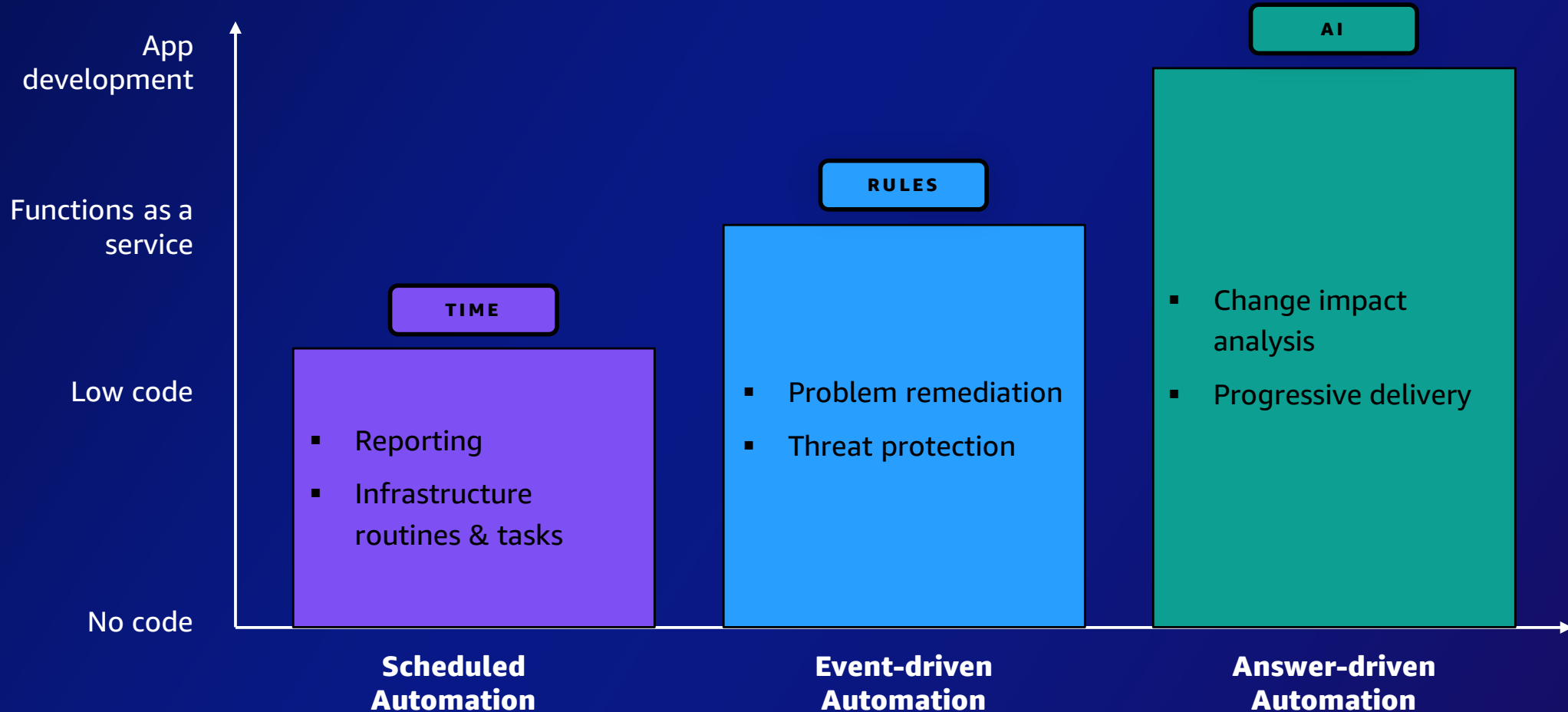
Automation is key to software delivery

Organizations are increasing investment in automation

Average annual organizational spend on automation of Dev, Sec and Ops processes (\$)



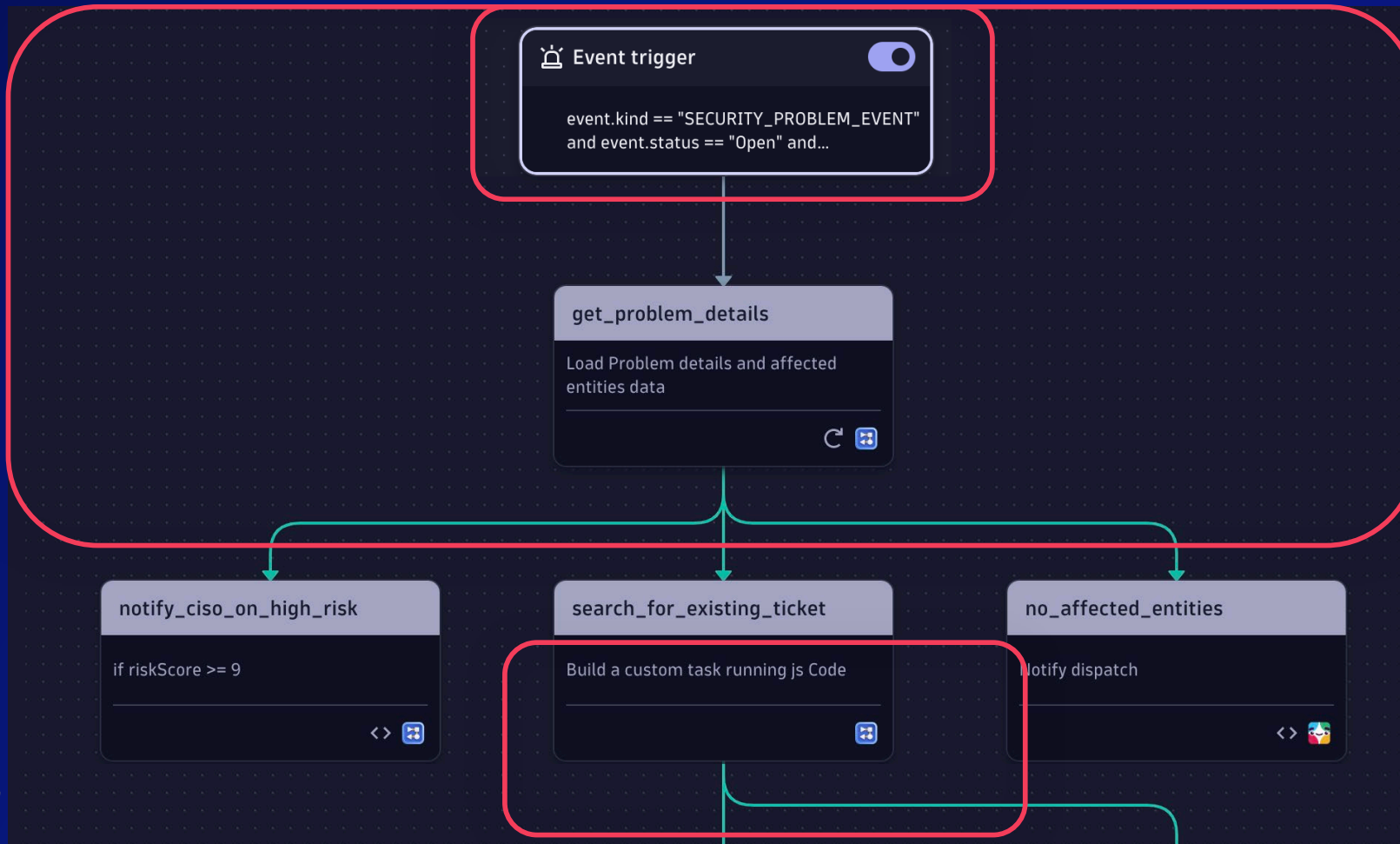
Automation maturity



What is your DevSecOps Automation maturity?

1. Targeted notification & collaboration

Goal: Automatically notify the **RIGHT TEAM(s)** with all the **CONTEXT** needed for faster triaging

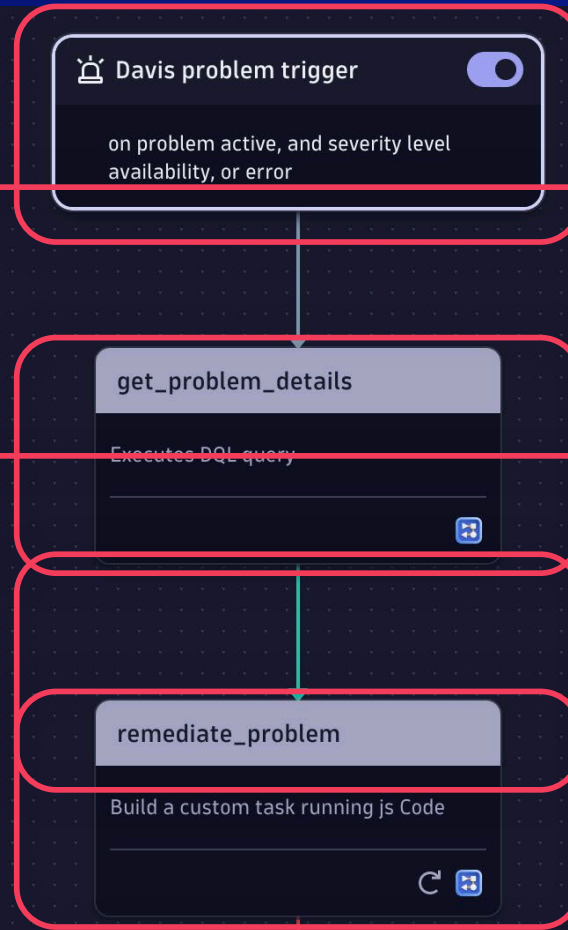


- Any event type and status
- Enrich with ownership
- Context-specific action
- Drive collaboration
- Notify the right people

2. Closed Loop remediation

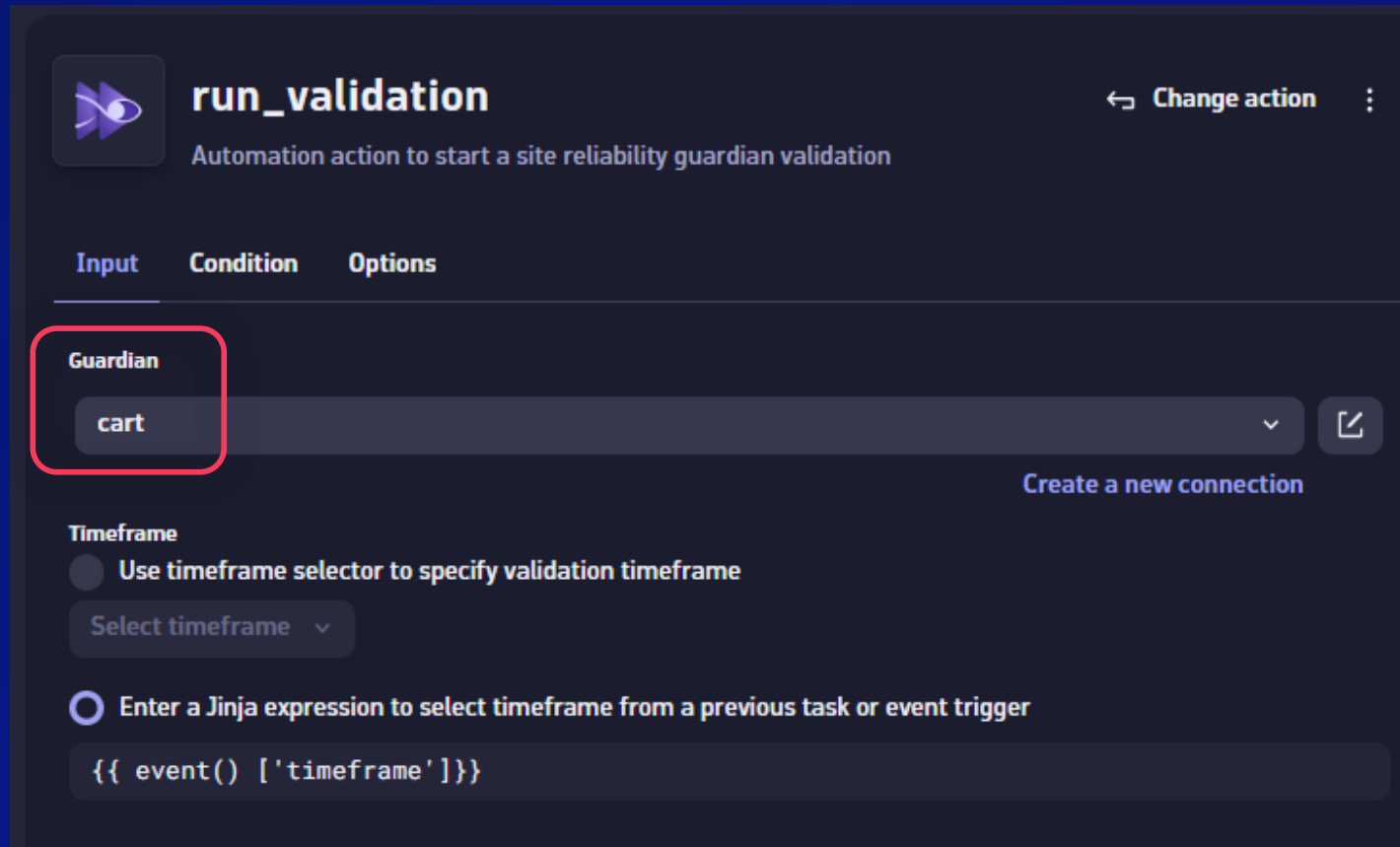
Goal: **Reduce MTTR**

- Any problem type and status
- Enrich with details
- Context-specific remediation
- Drive collaboration
- Notify the right people



3. Change/Release impact analysis

Goal: Improve **RELIABILITY & QUALITY** of software



The screenshot displays the configuration interface for the 'run_validation' action in the AWS Step Functions console. The action is described as 'Automation action to start a site reliability guardian validation'. The 'Input' tab is selected, showing a 'Guardian' dropdown menu with 'cart' selected. A red rectangle highlights the 'Guardian' dropdown. Below this, the 'Timeframe' section has two options: 'Use timeframe selector to specify validation timeframe' (selected) and 'Enter a Jinja expression to select timeframe from a previous task or event trigger'. The 'Select timeframe' dropdown is visible under the first option, and a Jinja expression field is visible under the second option.

run_validation
Automation action to start a site reliability guardian validation

← Change action ⋮

Input Condition Options

Guardian

cart

Create a new connection

Timeframe

☒ Use timeframe selector to specify validation timeframe

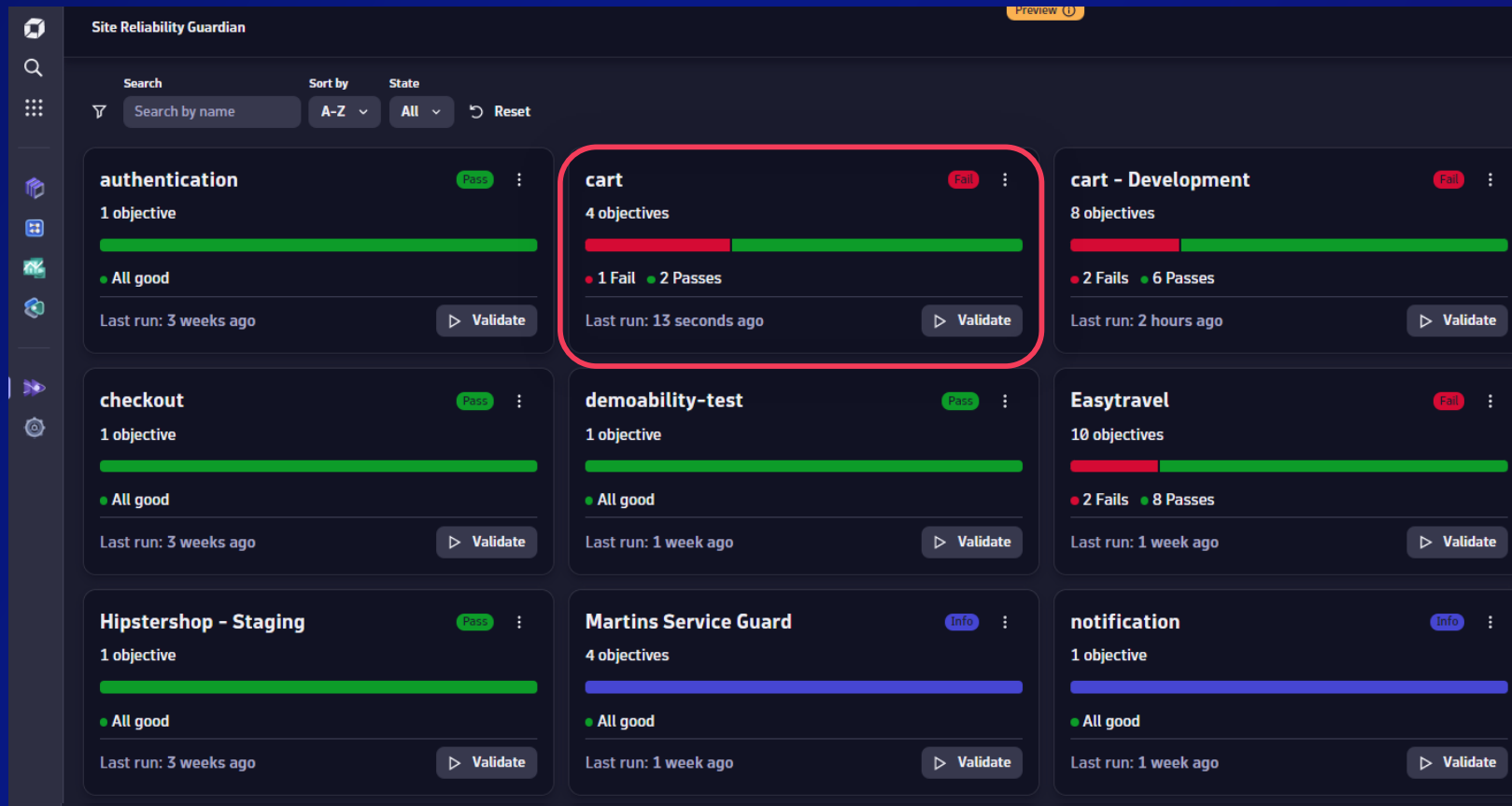
Select timeframe

☐ Enter a Jinja expression to select timeframe from a previous task or event trigger

{{ event() ['timeframe'] }}

3. Change/release impact analysis

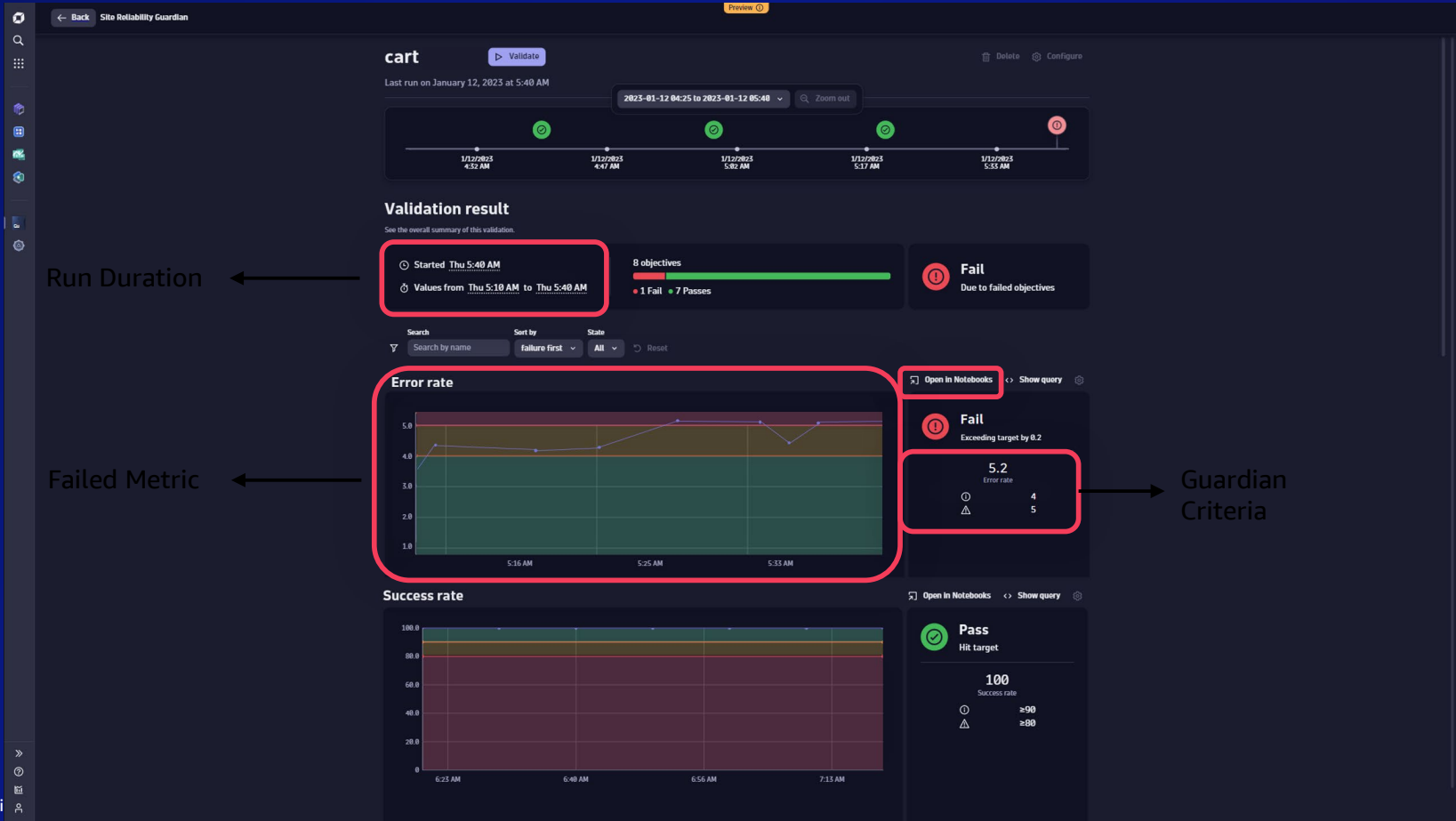
Goal: Improve **RELIABILITY & QUALITY** of software



#production
Site Reliability Guardian 09:45 AM
The last validation finished with status: fail Show validation result
DQL to fetch result event: fetch

3. Change/release impact analysis

Goal: Improve **RELIABILITY & QUALITY** of software



4. Delivery orchestration

Goal: **SAFELY** and **SECURELY** deliver new updates and features to customers



- Any event type and status
- App provided action
- Enrich with ownership
- Notify the right people
- Trigger appropriate action

4. Progressive delivery orchestration

Goal: **SAFELY** and **SECURELY** deliver new updates and features to customers

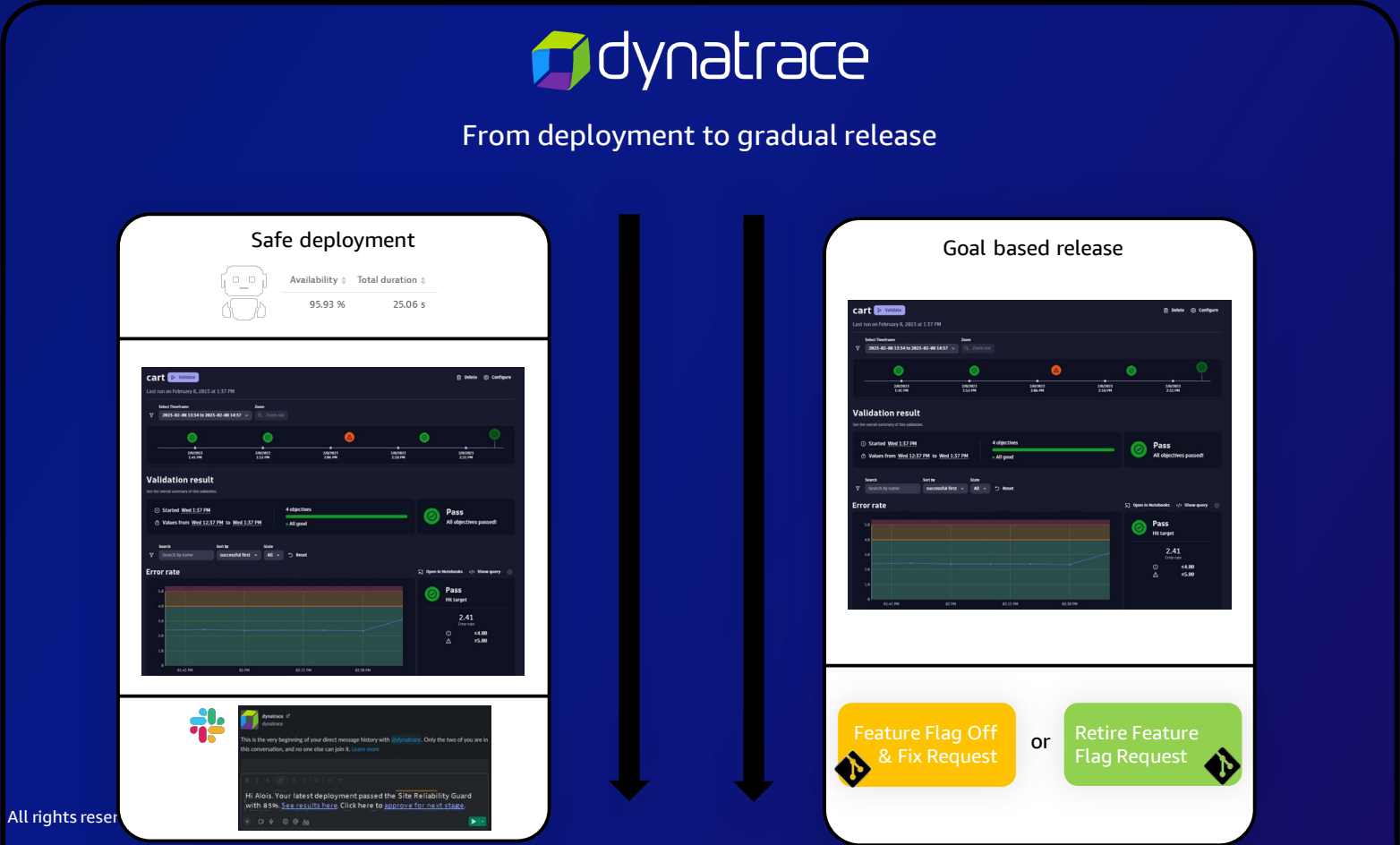
Your DevOps Tools



Your  **gitops**

Everything as Code

- Source Code
- Deployments
- Infrastructure
- Tests
- Ownership
- Observability
- Automation
- Remediation
- Security
- ...



Summary

- **Observability** and **security** context is KING
- **Answer-driven automation** is the natural next step
- Automate **what matters**
- Start with a **simple workflow** — scale it out
- Boost **productivity**, focus on **innovation**

Thank you!

Nalin Agrawal
Director Solutions Engineering
Dynatrace



Please complete the
session survey