





PRESENTER

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Remediate issues with event-driven automation

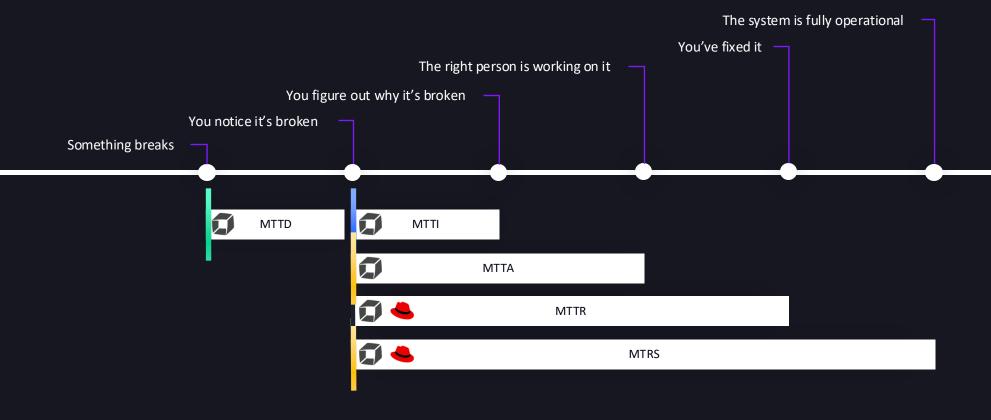




Benefits of Auto-Remediation

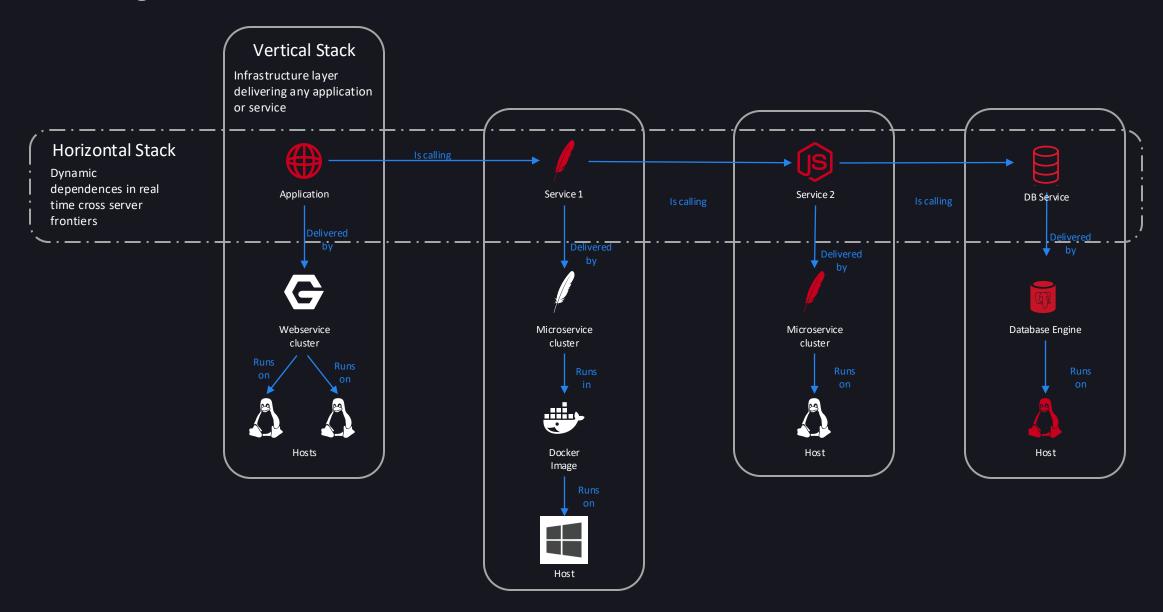
- 1 Reduction of alerts, incident tickets and MTTR > Cost reduction
- Ability to preempt outages, improved uptime
- Reduction of risk and human error
- 4 Improved user experiences

The timeline of an incident



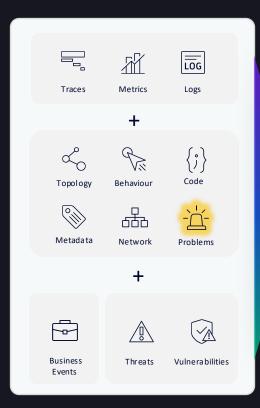


The Diagnostics of the unknowns



Dynatrace Platform

Observability, Security and Business data



Deep, context-rich, full stack

Scalable data capture and ingest



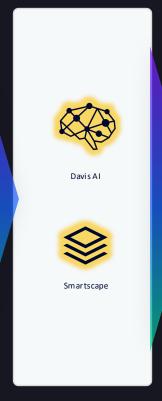
Automatically captured in context & pre-processed

Graph powered Massive Parallel Processing Lakehouse



Stored contextually with massive parallel processing and graph query technology

Causal Al



Accessed by our causal Al for analysis & answers

Enterprise low-code programmability and datascience

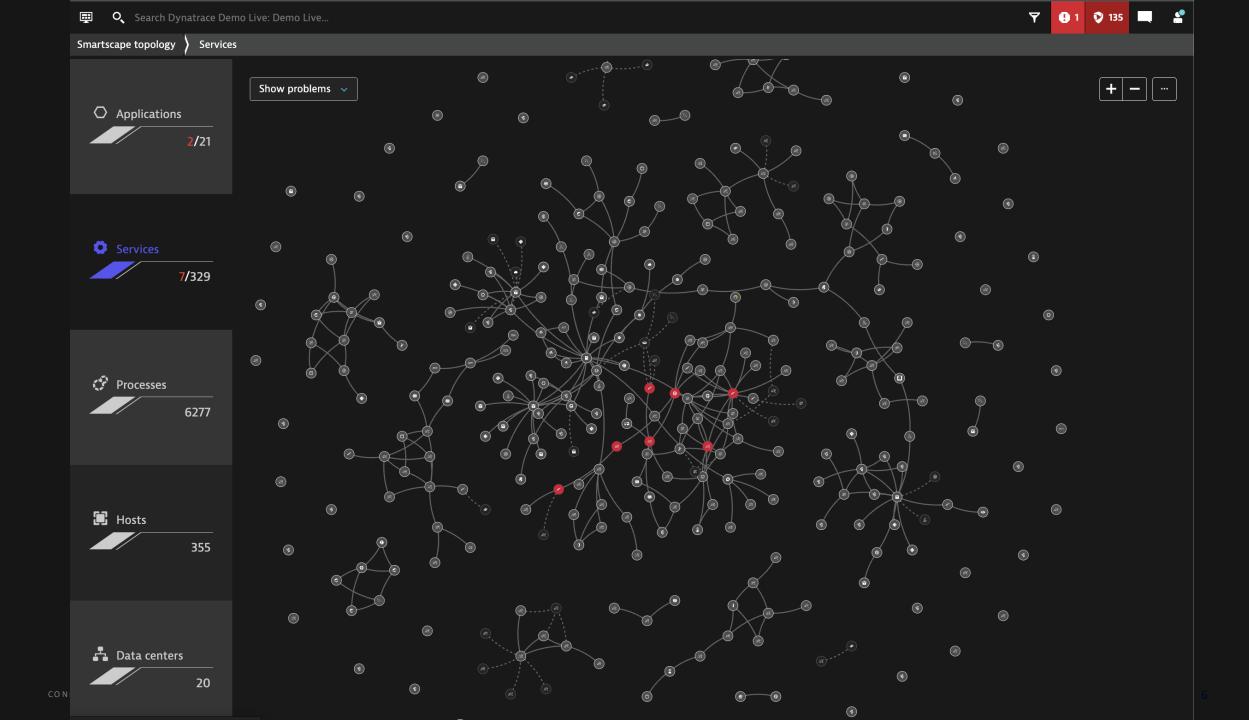


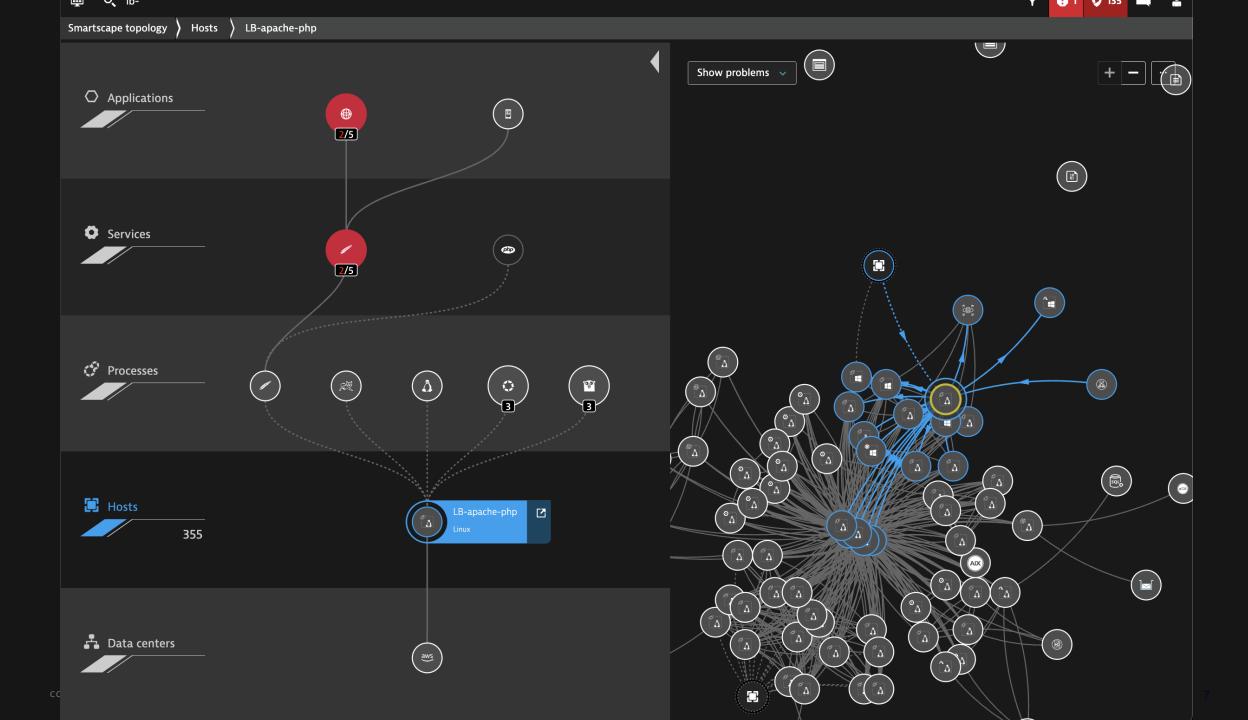
Post-process, combinate, act Answer driven Automation and Security



Powering automation, orchestration, prevention and protection









www.easytravel.com: User action duration degradation
> Problem P-23102533 detected at 08:03 - 08:29 (was open for 26 minutes).

Affected applications



Affected services



Affected infrastructure



Affected SLOs

Share feedback

easyTravel



Business impact analysis

Davis observed the following number of service calls and affected real users during the first 30 minutes of the problem timeframe.





Replay sessions

Show more

1 impacted application

38.8+ User actions per minute impacted



www.easytravel.com

Web application

User action duration degradation

The current response time (~2.15 s) exceeds the auto-detected baseline (418 ms by 413.4 %. Incident occurred with user action Xhr.

User action

Affected user actions 38.8+ /min

3 User actions

Browser Geolocation

Comments

Comment on this problem

OS All

Root cause

Based on our dependency analysis all incidents have the same root cause



Custom deployment event

Deployment change 2.0.0.3603.20231031-080000

Source ServiceNow Version 2.0.0.3603.20231031-080000 CI

https://ven01383.service-now.com/nav_to.do? uri=%2Fchange_request.do%3Fsys_id%3Df16e8d6ddbf84814ceb29a67db96192b

Remediation https://ansibletower.internal.example.com/job?id=9

Alice McBright (alice.mcbright@easytravel.com) Approver

Build Number 1.223.23432 e5a6baac7eb Git commit

Chuck Ryan (chuck.ryan@easytravel.com) Owner

Events on:

Project

Service CheckDestination



2 Service response time degradation events

The current response time (~267.66 ms) exceeds the auto-detected baseline (~19.2 ms) by 1294.18 %. Service CheckDestination has a slowdown.

Events on:

Service CheckDestination

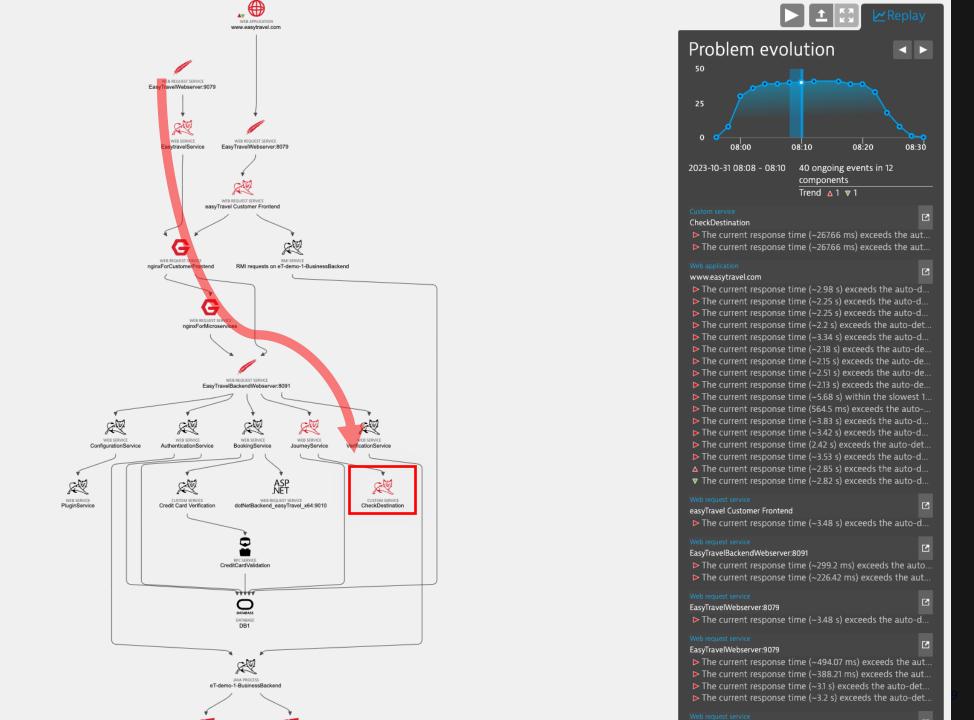


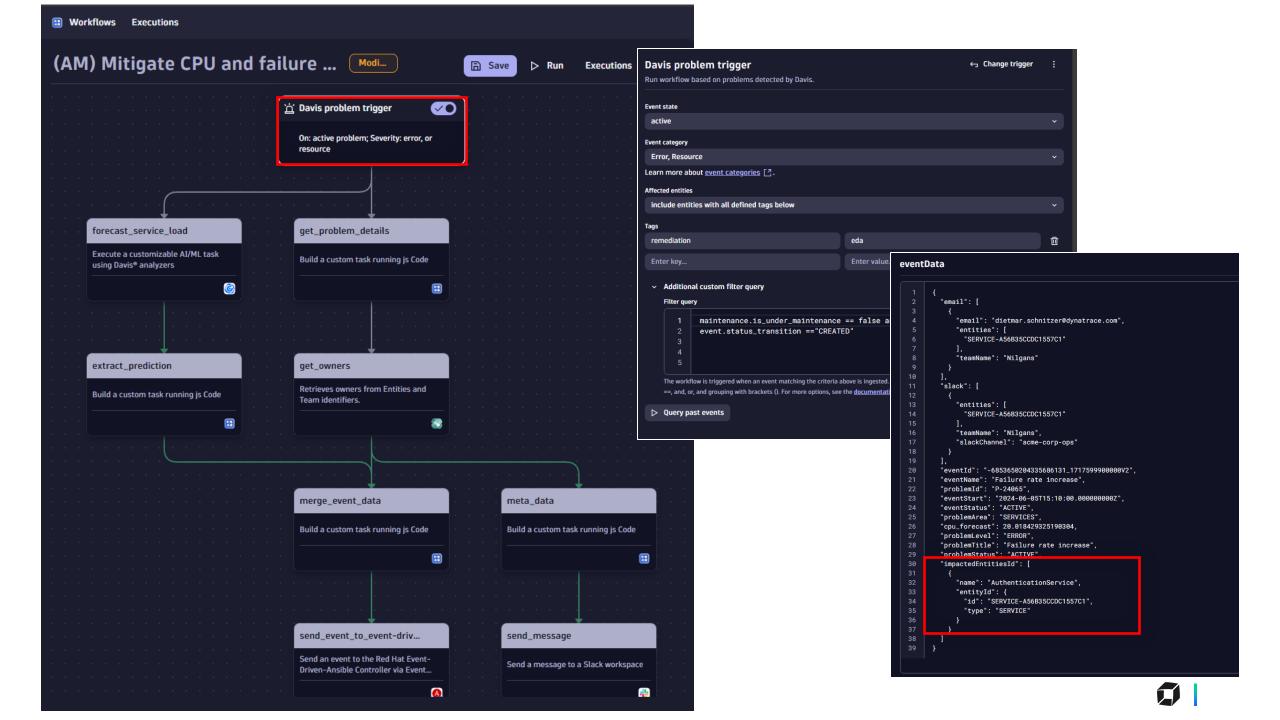
Analyze code level, database calls, and outgoing requests.

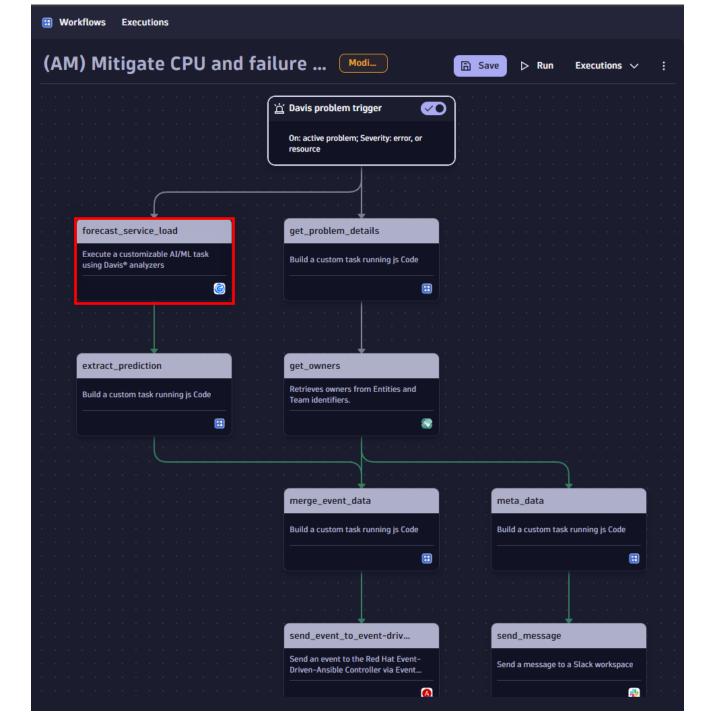
Analyze response time degradation

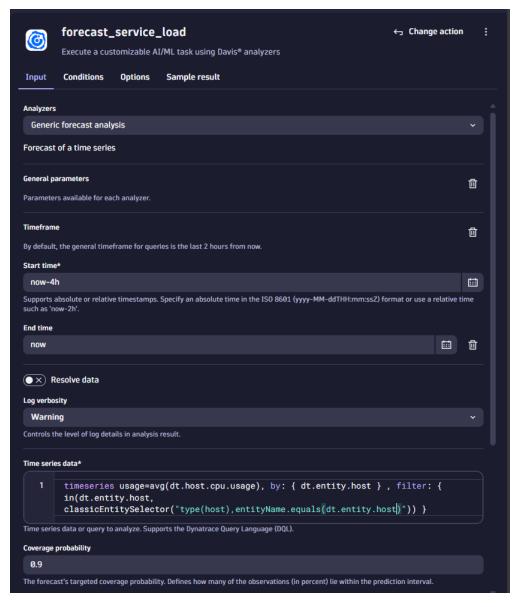
Metric anomalies detected

Review the metrics which show abnormal or outlying behavior.

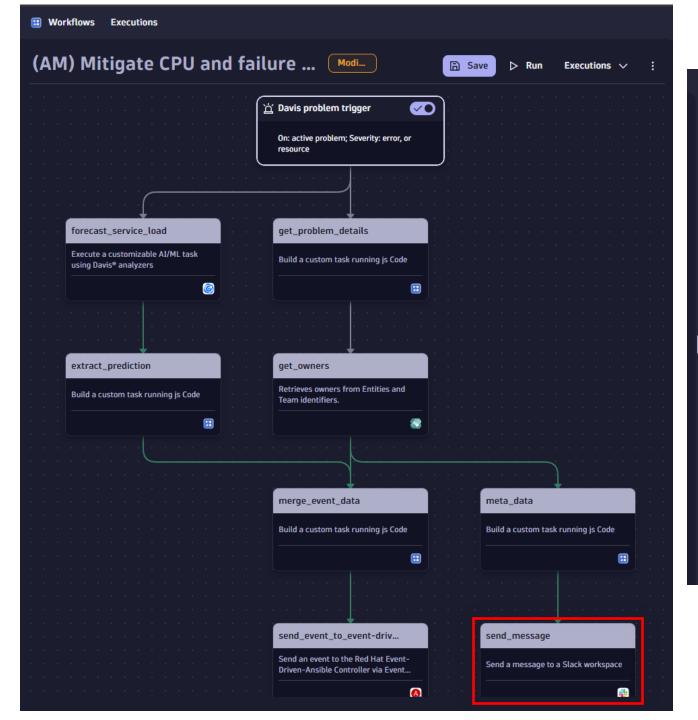


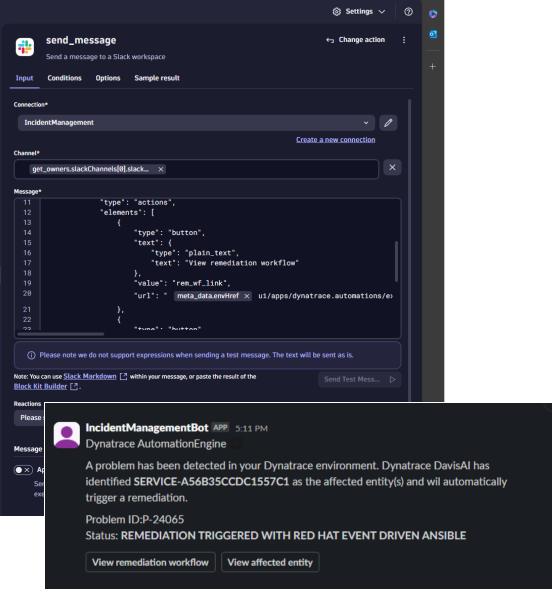




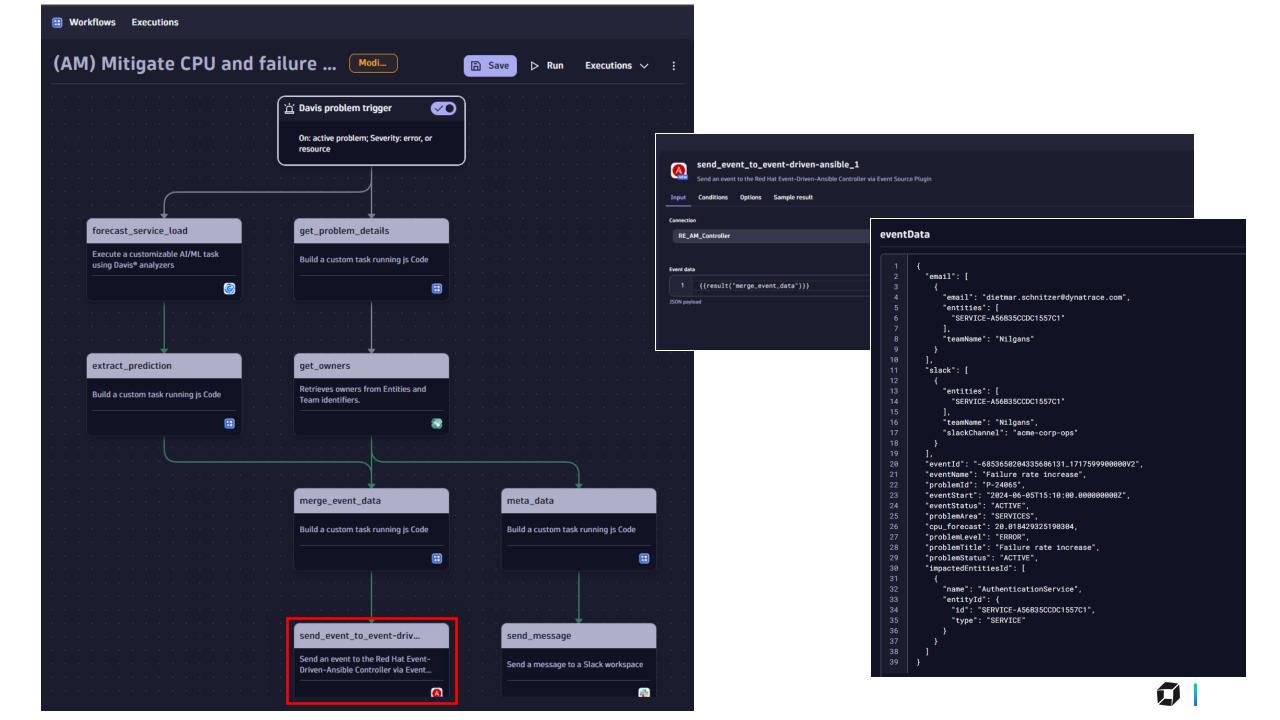




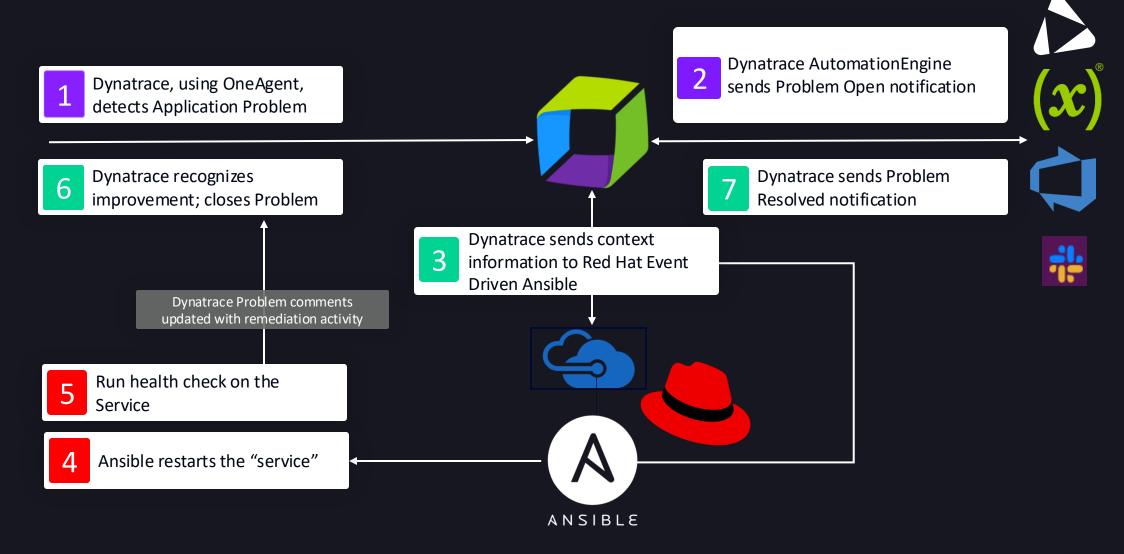








Solution Architecture for Auto-Remediation





HOW TO START

1 Analyze

... your problems and find repetitive patterns

Create

... your playbook and workflow which can be manually triggered

Optimize

... into a manual-approval based process

Automate

... the remediation actions with a proven track record end-to-end



CLOUD DONE RIGHT