DESCUBRIENDO
DYNATRACE:
LA PLATAFORMA
INTEGRAL PARA
OBSERVABILIDAD,
SEGURIDAD Y
ANÁLITICAS AVANZADAS



Jose Manuel
Iglesias
SE MANAGER
DYNATRACE



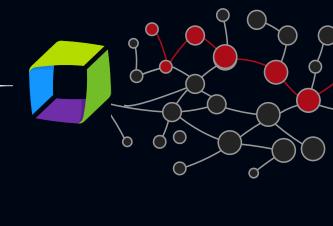
AGENDA

- The Platform
 - How it worked & Works
 - Answers & Intelligent automation from data
 - GRAIL
 - AppEngine
- Monitoring vs Observability
- Analytics

THE PLATFORM

HOW IT WORKS









Full-stack root cause

Impact analysis

Deployment validation

Vulnerability detection

Remidiation workflows



OneAgent & open-source standards



Real-time topology and dependency mapping









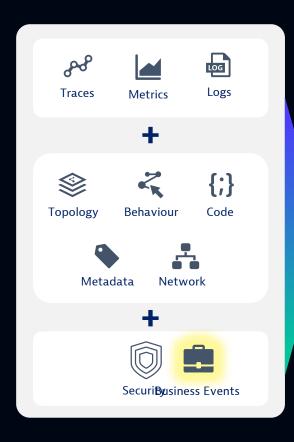


Al and automation as scalable, enterprise platform





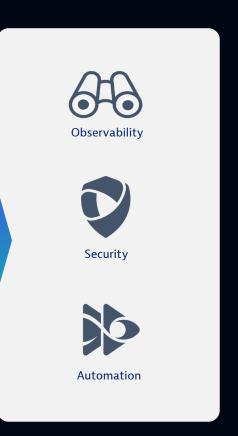
ANSWERS AND INTELLIGENT AUTOMATION FROM DATA











Deep context rich, full stack beyond observability sources Automatically captured in context & pre-processed

Stored contextually with massive processing and retrieval capabilities

Accessed by our causal AI for analysis & answers

Powering automation, orchestration, prevention and protection

GRAIL - YOUR DATA GOLDMINE

Grail is a causational data lakehouse with a massively parallel processing (MPP) analytics engine. It leverages the new Dynatrace Query Language (DQL) for context-rich analytics.

Expanding the data lakehouse supporting more data types and contextual data mapping:

- Logs
- Business Events
- Graph (Smartscape)
- + Adding Metrics
- + Adding Traces



DYNATRACE QUERY LANGUAGE (DQL)

```
fetch
            logs, from:now()-20m
 filter
            endsWith(log.source,"/media/datastore/server-data/log/audit.confi
            and dt.host group.id == "cluster deve2e"
 parse
            content, "timestamp('yyyy-MM-dd HH:mm:ss'):
                     ld ison:settings
                     ipaddr:client ip //IPv4/6"
 fields
            ts,
            type = settings[eventType],
            tenant = settings[tenantId],
            user = settings[userId],
            change = settings[jsonPatch]
            in(type,array("UPDATE","DELETE")) and user != "unknown"
 filter
 summarize creates = countIf(type=="CREATE"), upd = countIf(type=="UPDATE"),
            by:{tenant, user}
 fieldsAdd changes_per_min = (upd + del)/20
            changes per min desc
 sort
```

Purpose-built

for observability and security

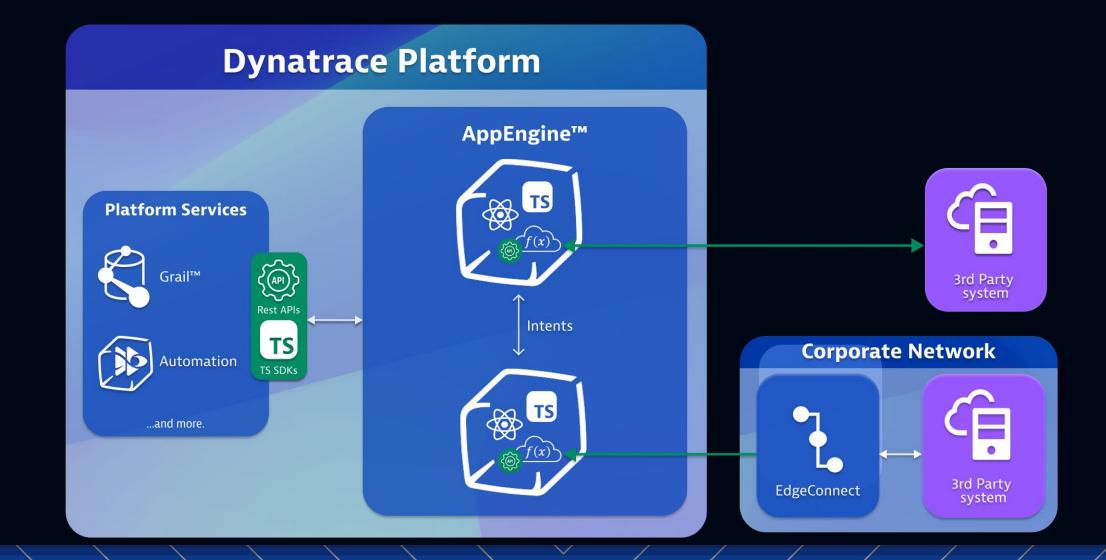
Powerful

for even advanced use-cases, parsing built-in

Effortless

migration from e.g. Splunk

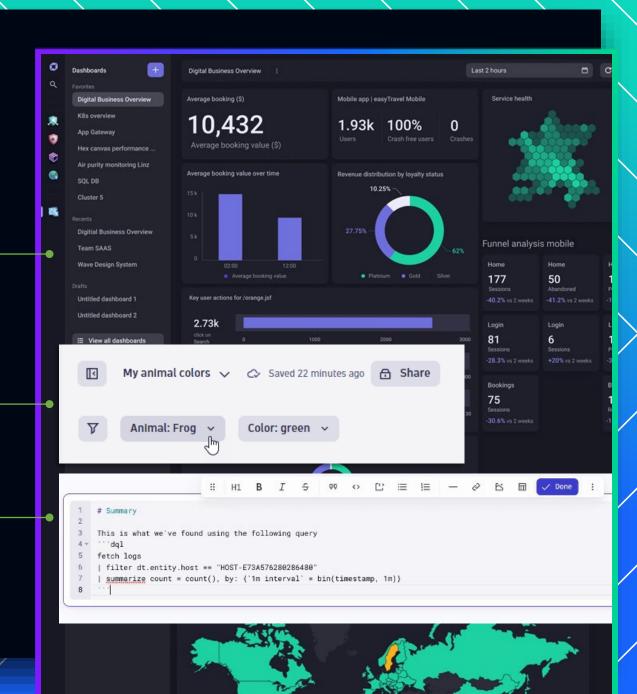
THE DYNATRACE PLATFORM



DASHBOARDS

Easily visualize metrics, trends, and anomalies with charts.

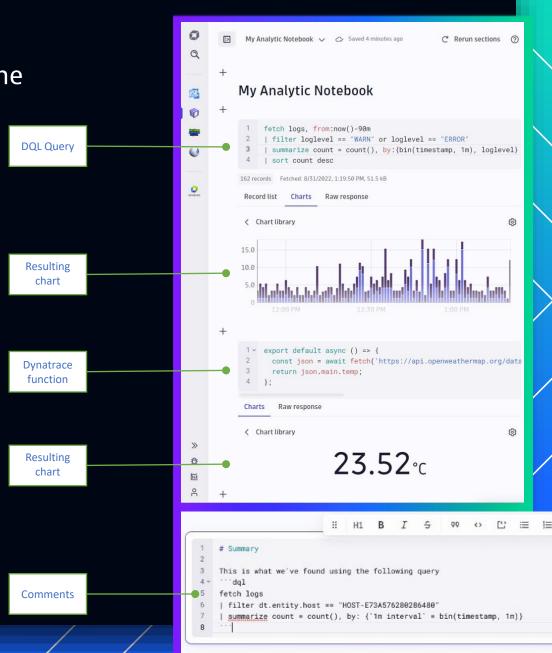
- Visualize data
 - From Grail using Dynatrace Query Language (DQL).
 - Even from external sources using Dynatrace functions.
- Filter data using variables.
 - Add comments using Markdown.



NOTEBOOKS

Petabyte-scale data exploration & analytics for real-time insights.

- Notebooks are interactive apps
 - Write a DQL (Dynatrace Query Language) query or code snippet
 - Get the resulting table or chart immediately.
- Ask follow-on questions at the speed of your thoughts, get trend forecasts and assistance by Davis Al.
 - Query, analyze, and visualize all data in Dynatrace and even integrate external data.
- Collaborate with teams using interactive, data-driven notebooks with comments.

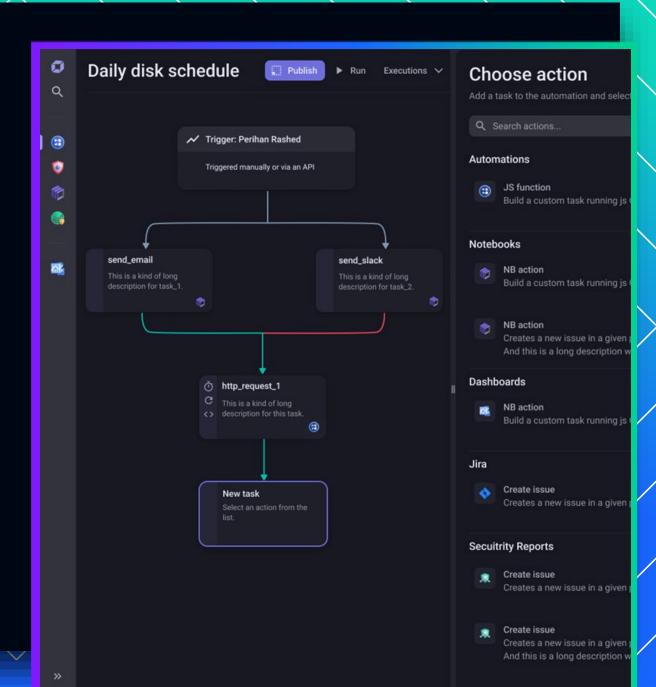


WORKFLOWS

Use drag and drop to build powerful workflow automations

- Drag and drop tasks and draw dependencies in a no/low code graphical editor
- Example workflows:
 - 1. Query ticketing system
 - 2. Send a notification
- Automations are triggered based on
 - Schedule-triggered
 Time-based execution according to flexible rules
 - Event-triggered Automatically react to any Dynatrace Events or Problems
 - Al-triggered
 Build and run based on Davis Analyzers
- Besides UI, configuration as code (Gitops) is possible

as well

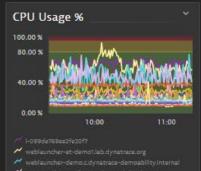


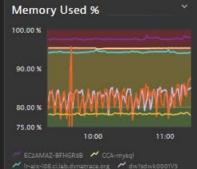
MONITORIZACIÓN VS OBSERVABILIDAD

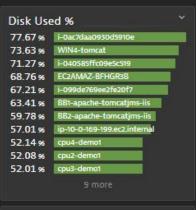


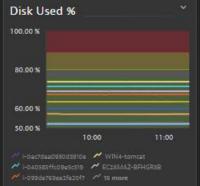


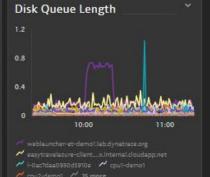
Host Metrics

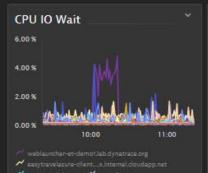




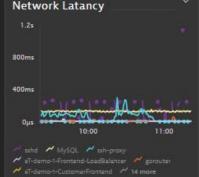


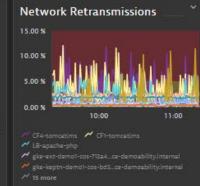








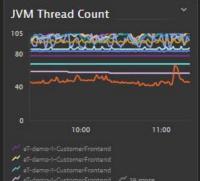


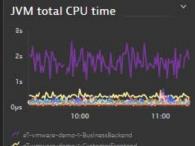




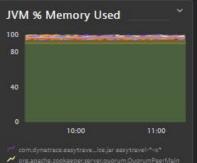


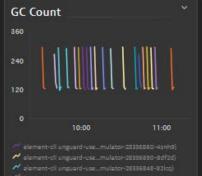
Process Metrics

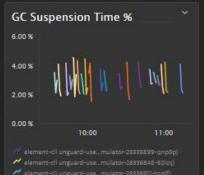


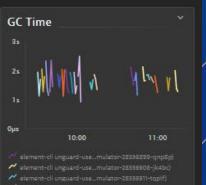


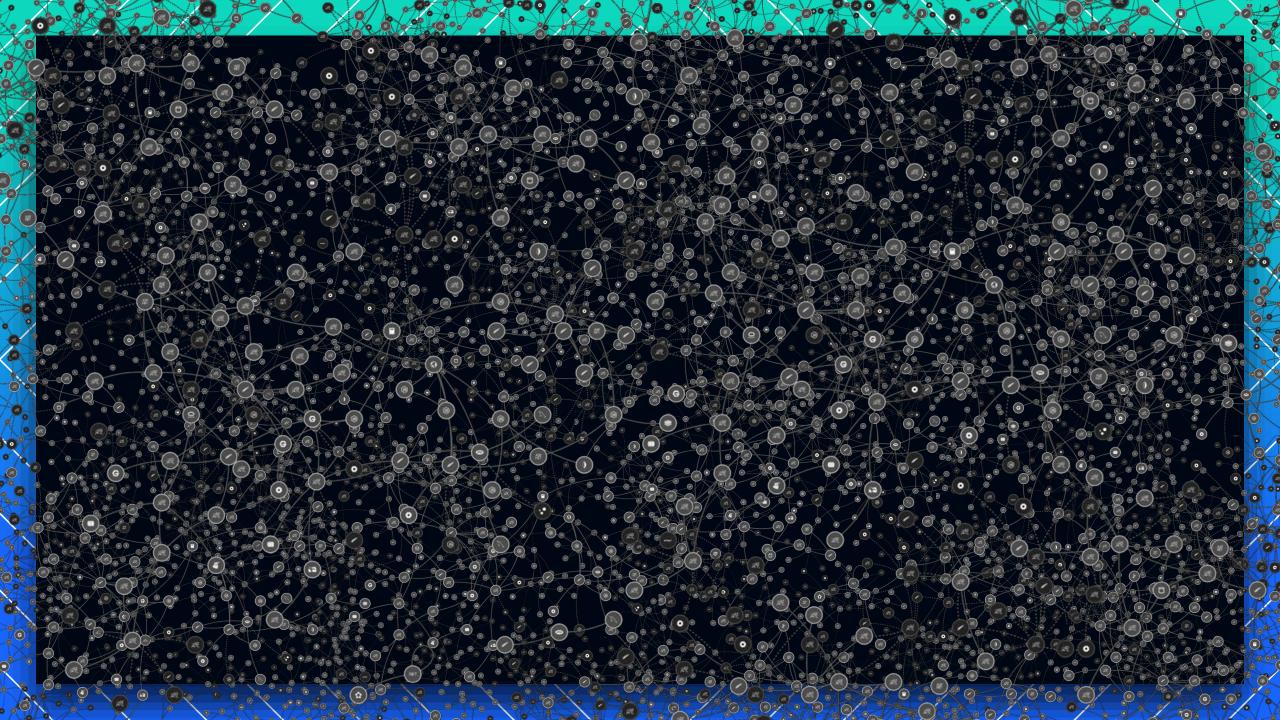








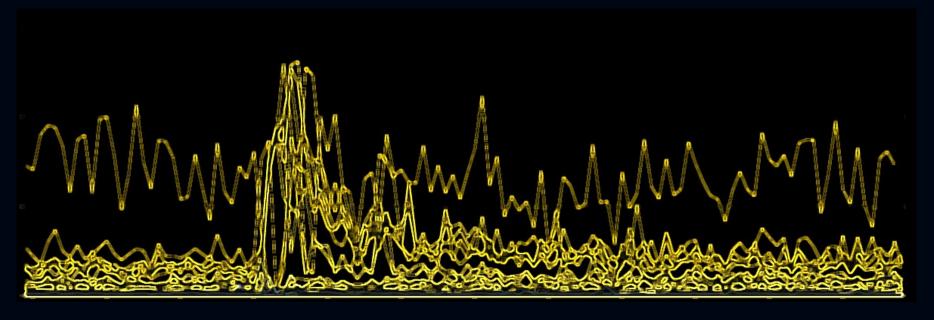




WHY CONTEXT MATTERS?

Let's do a quick example, in which we correlate process CPU metrics.

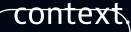




In an environment with more than 100K timeseries, without context the AI will find hundreds of correlating metrics.

HIGHER PRECISION BY USING DYNATRACE CONTEXT

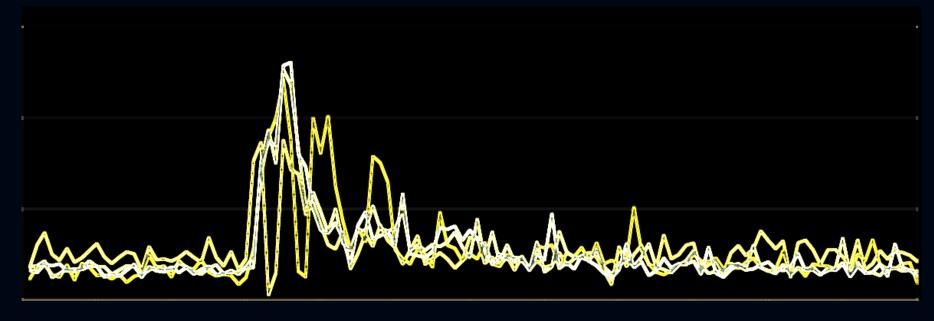
Same example but filter out not relevant signals by using Smartscape











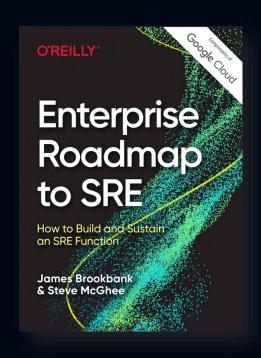
The Dynatrace context introduces knowledge to rule out misleading signals to increase precision.

THE POWER OF THE SLO IS DRIVING TRANSFORMATIONS

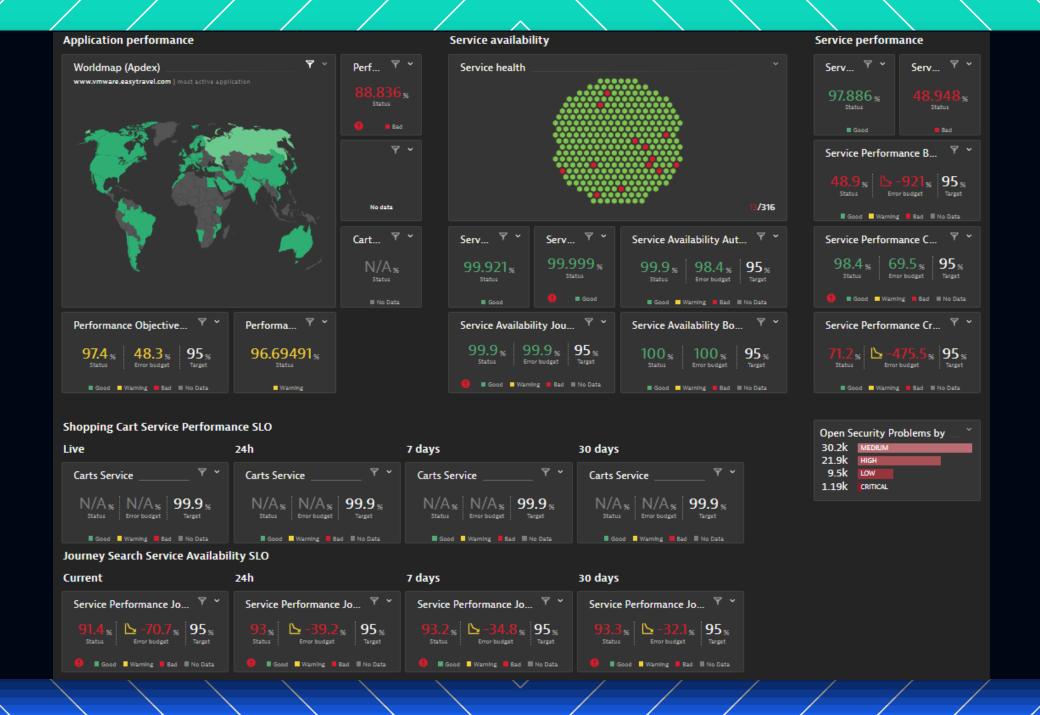
SLOS ON TOP OF CTOS' LIST FOR 2022 & 2023

Business SLOs are bridging the gap between CEO's and CTO's

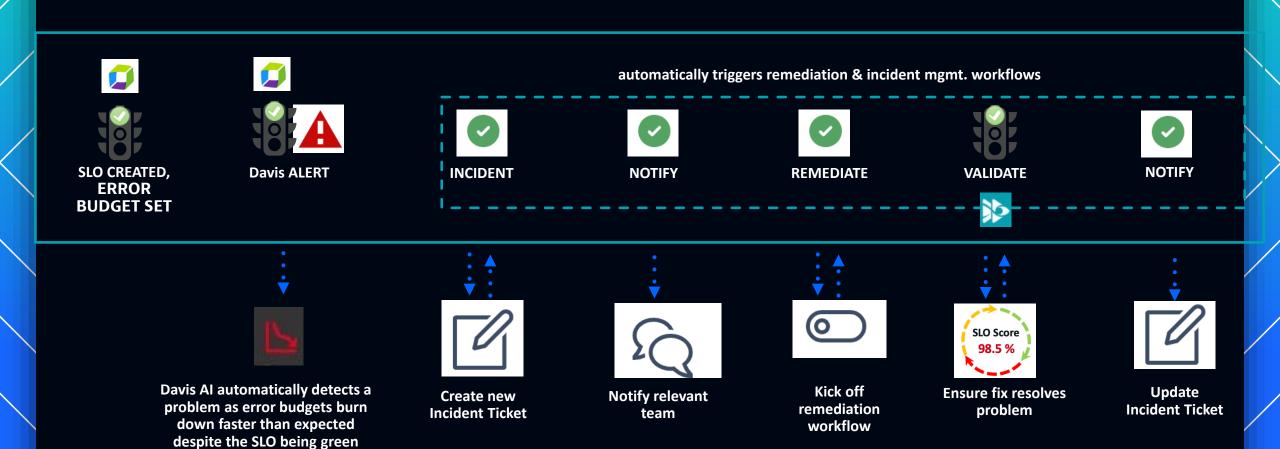
Focus on the user



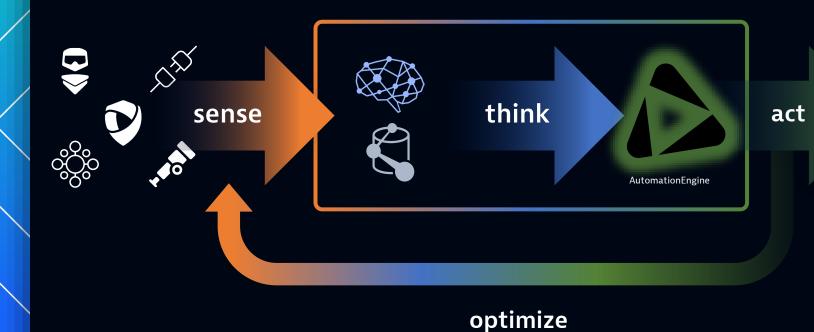


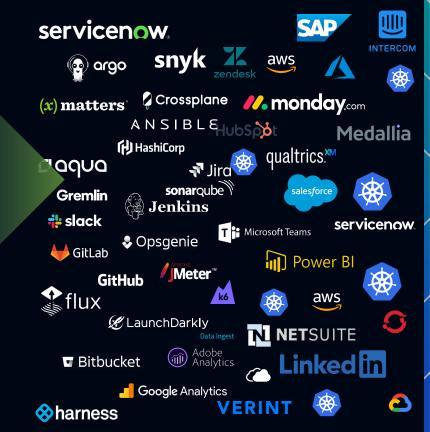


Proactive SLO Management with Closed Loop Problem Remediation

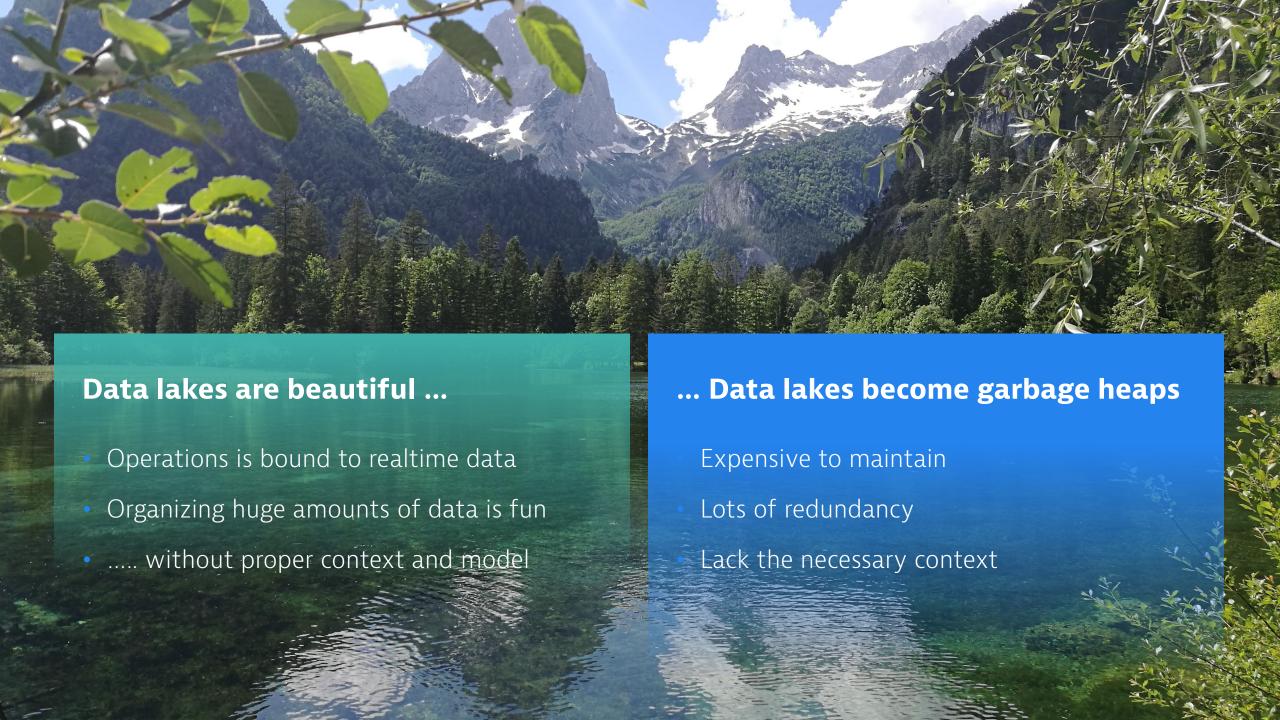


ANSWER-DRIVEN AUTOMATION

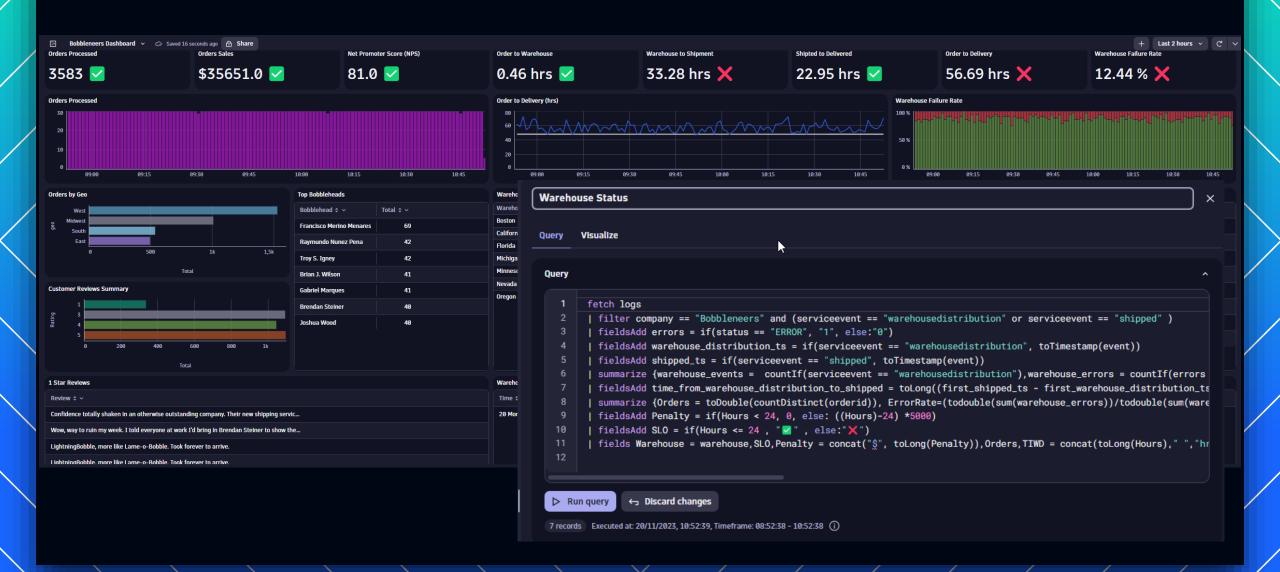




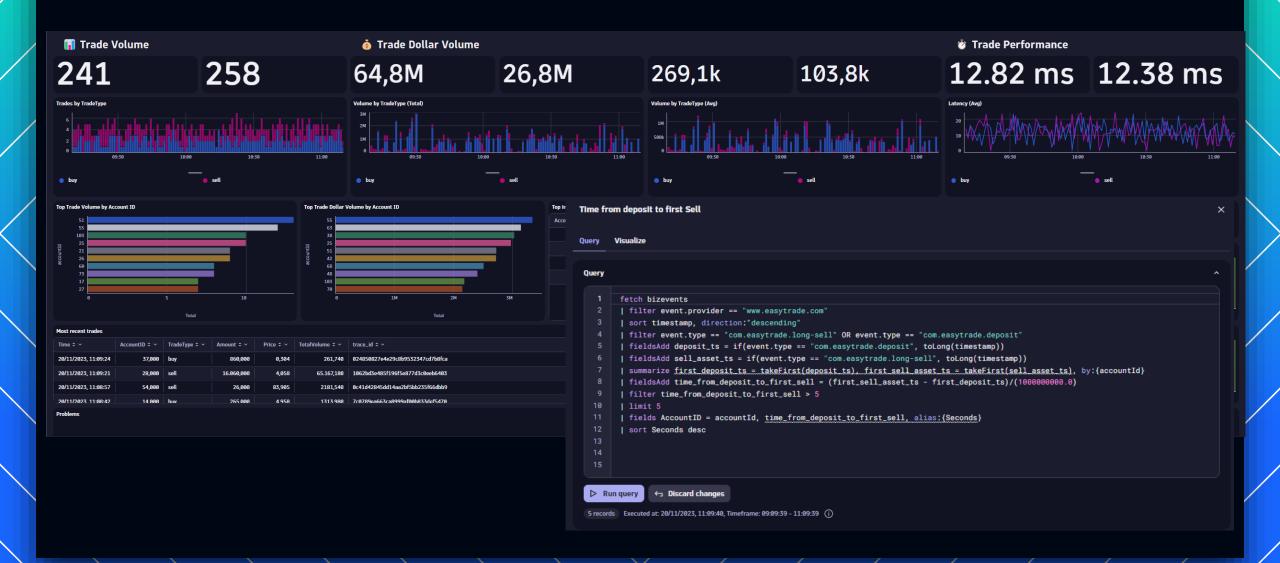
ANALYTICS



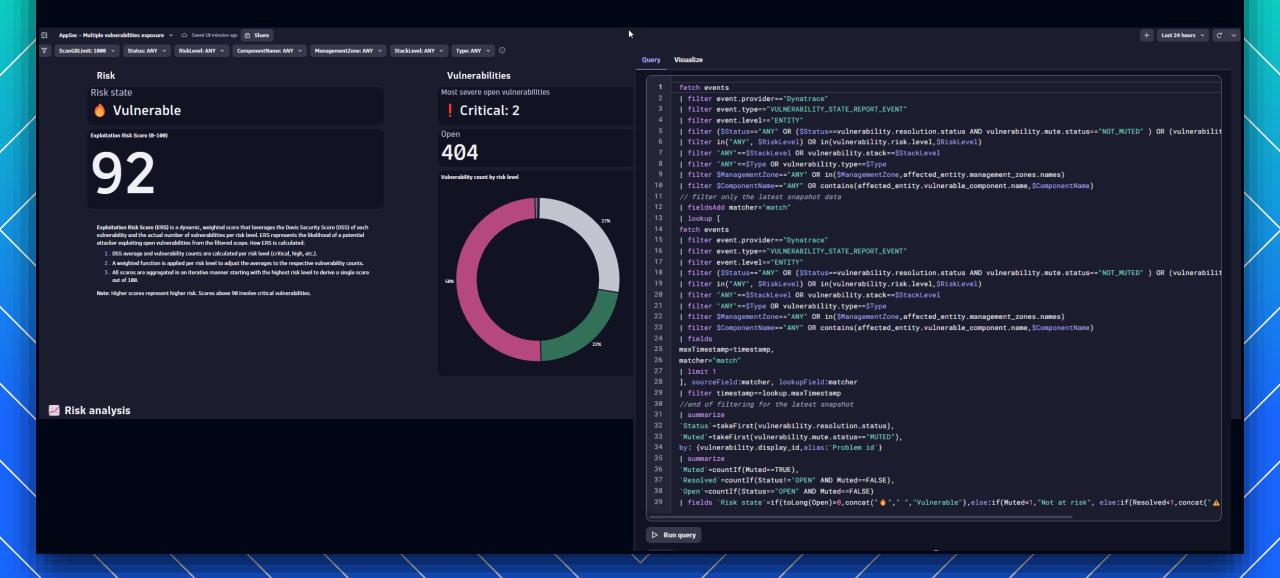
LOG ANALYTICS



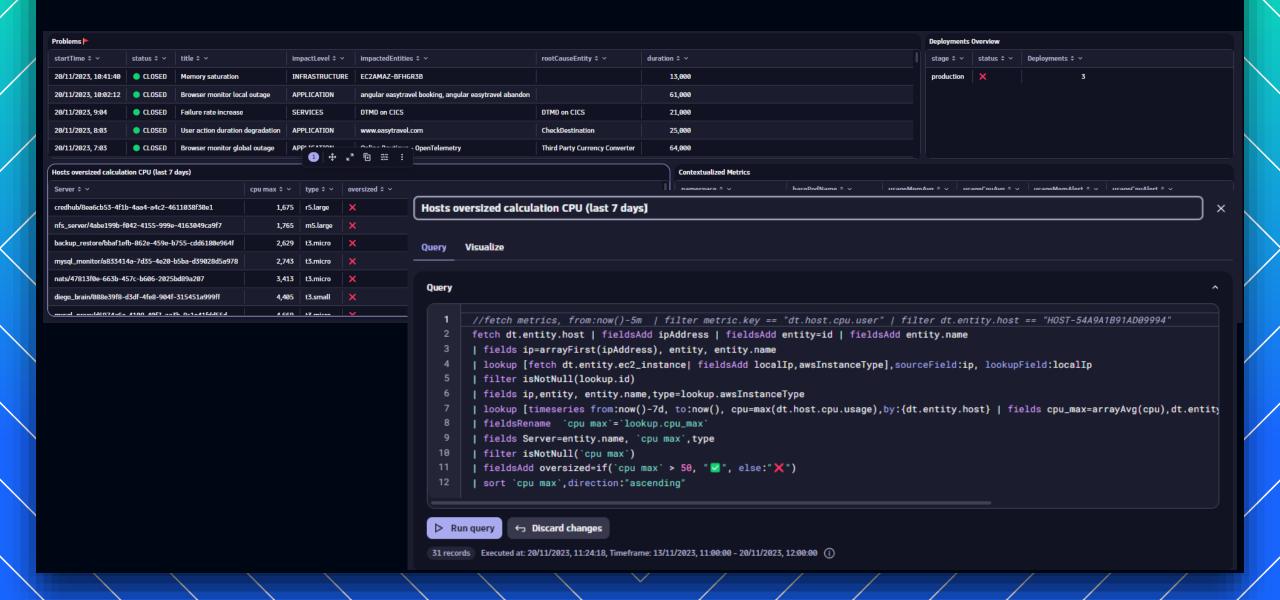
BUSINESS EVENTS ANALYTICS



SECURITY ANALYTICS



DATAMODEL ANALYTICS





IMERSE

Q MADRID

🛱 21.11.23