

# Business Observability

And why it all starts with Engineering Maturity



PRESENTER

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# Agenda

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- What is the Business?
- What is Observability?
- Control VS. Dependency
- The Observability Maturity Pyramid
- Common Pitfalls
- What GOOD looks like



# What is the **BUSINESS**!?

- **Non-technical, outcome-driven side of the organization.**
- **Cares about revenue, customer experience, growth, and operational efficiency**, rather than infrastructure, code, or system uptime.



- The Business is the **outcome of all we build**. If we don't connect tech with outcomes, we fail.
- This connection is what **Observability and Control ultimately support** – it's not just monitoring tech, is enabling the business.

Technical Event	Business Impact
API latency in checkout	Drop in conversion rate
Inventory sync failure	Out-of-stock errors on site
CDN outage in a region	Revenue loss in that market
Slow product page load	Bounce rate increase
Payment gateway errors	Abandoned carts

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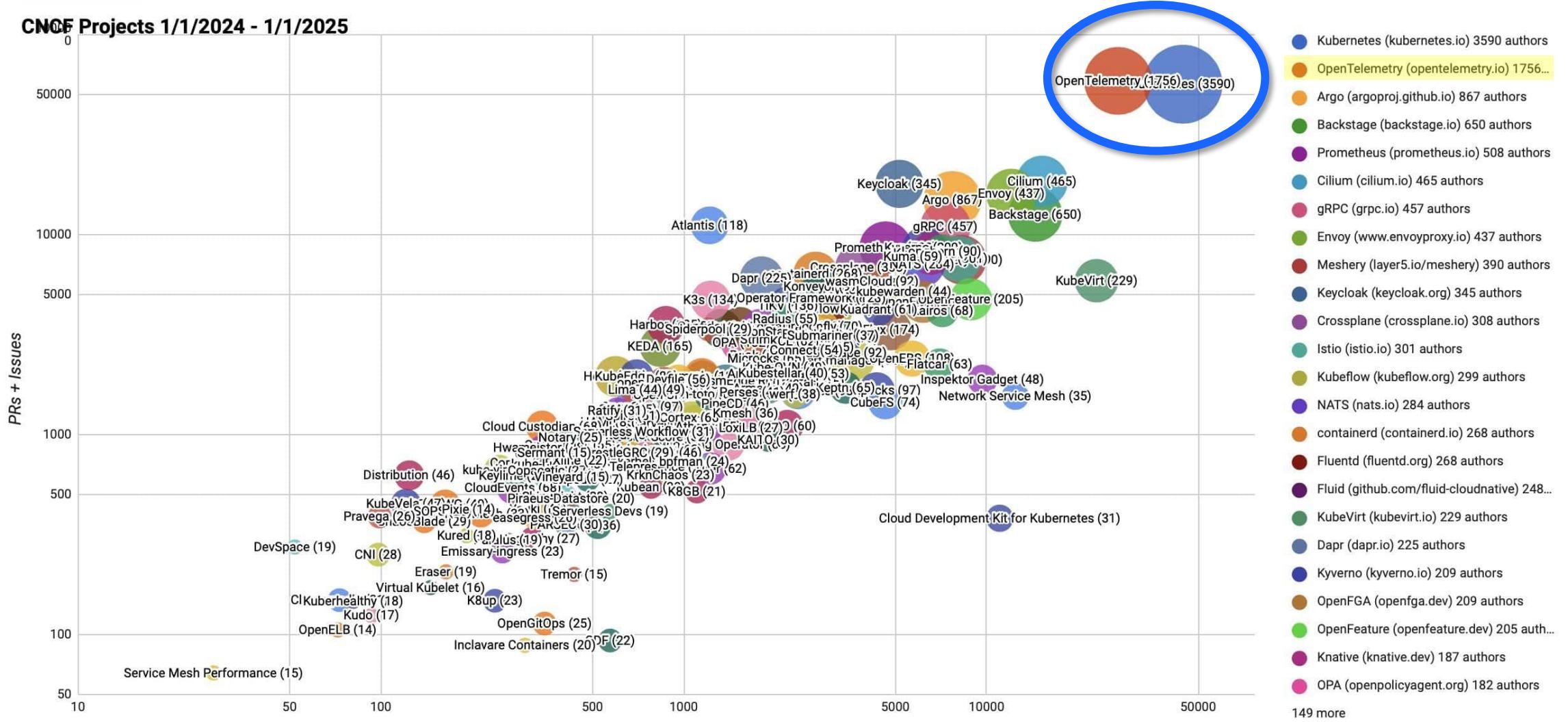


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*"Modern companies are no longer defined by their industry, but by their ability to **deliver digital experiences** within that industry."*  
- Miguel Balsa

# What is Observability?



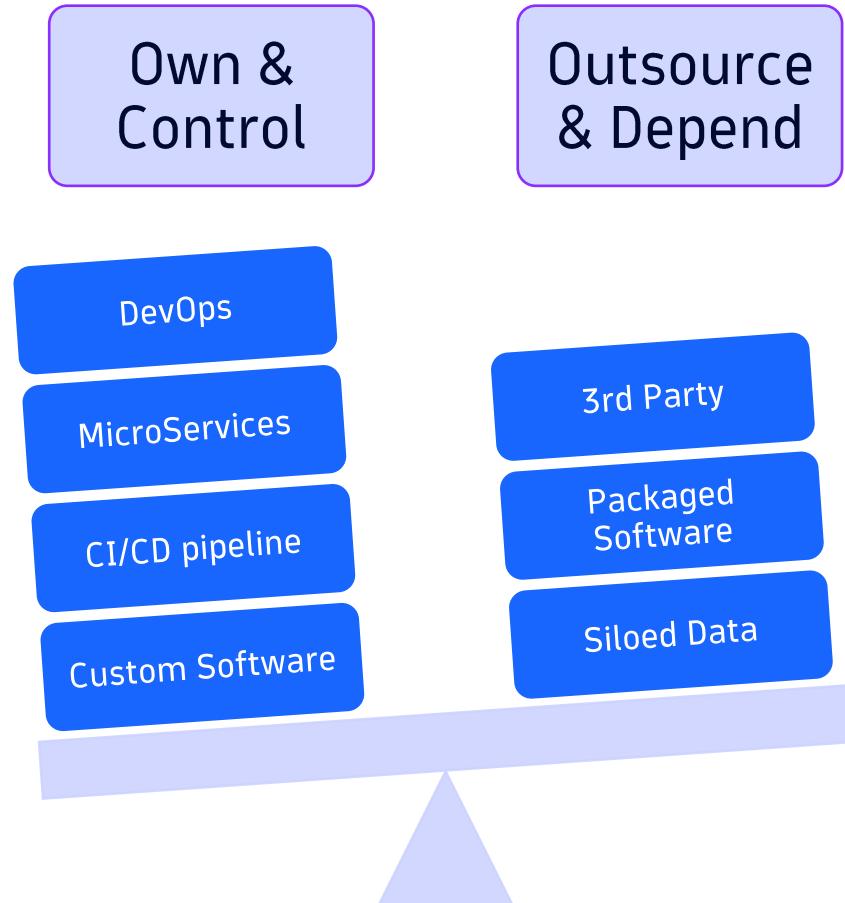
# Control vs. Dependency: The Observability Challenge

- Own your data and insights to adapt fast.
- Dependency on external platforms (like legacy ERP) slows innovation and blindsides businesses.
- Control the observability stack to control the future.
- Tooling ≠ Maturity, Dashboards ≠ Insights

**Business observability isn't a layer you buy—it's a capability you build.**

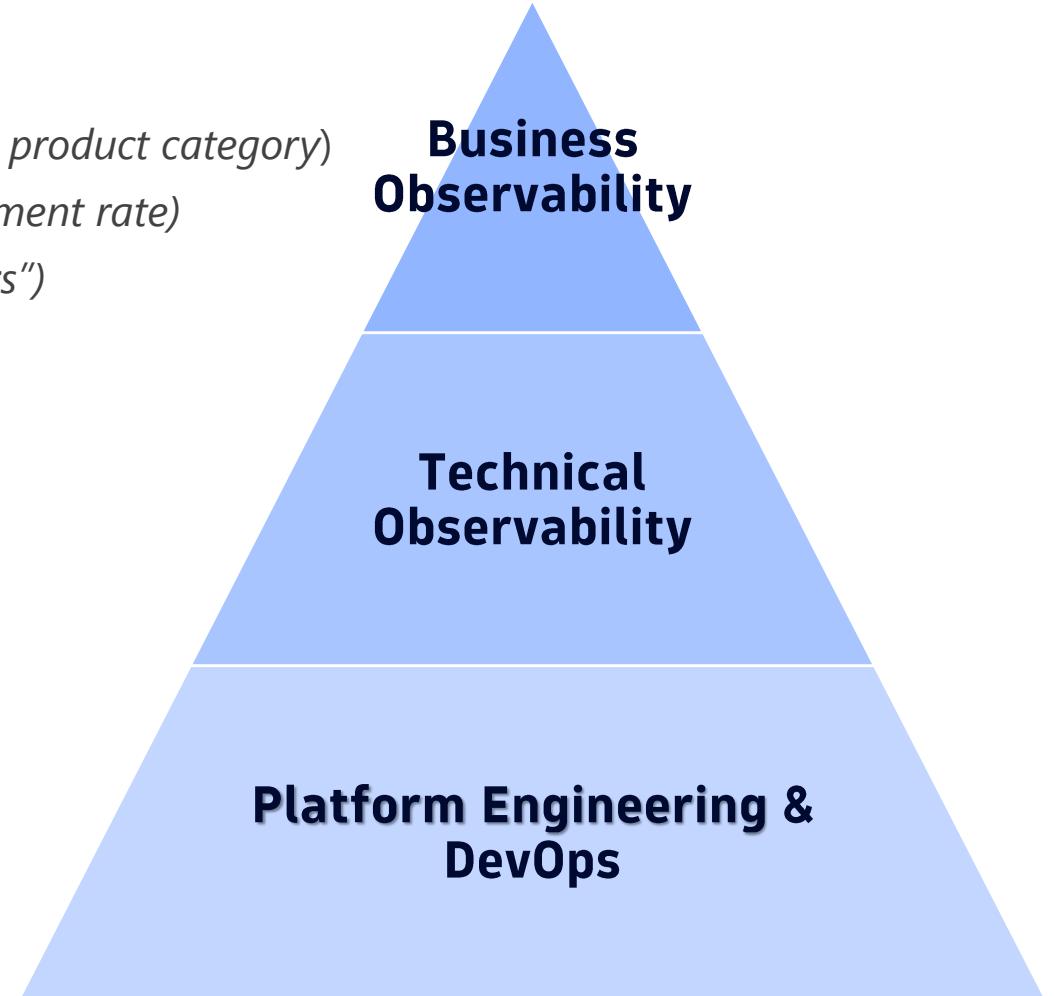
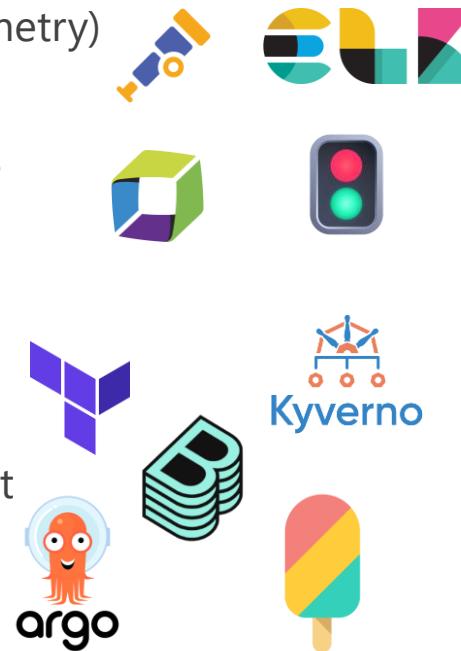


TESLA



# The Observability Maturity Pyramid – Tools & Capabilities

- Enriching telemetry with **business metadata** (e.g., *customer tier, product category*)
- **Real-time** business KPIs (e.g., *revenue per minute, cart abandonment rate*)
- **Impact** analysis (e.g., *"This outage affected 12% of premium users"*)
  
- Distributed **tracing** (e.g., OpenTelemetry)
- Centralized **logging**
- Real-time **alerting** and **dashboards**
- Service-level indicators (**SLIs**)
  
- Infrastructure as Code (**IaC**)
- **CI/CD** pipelines
- **Automated** testing and deployment
- **Self-service** developer platforms
- **SLOs** and error budgets



# The Observability Maturity Pyramid – Metrics & Activities

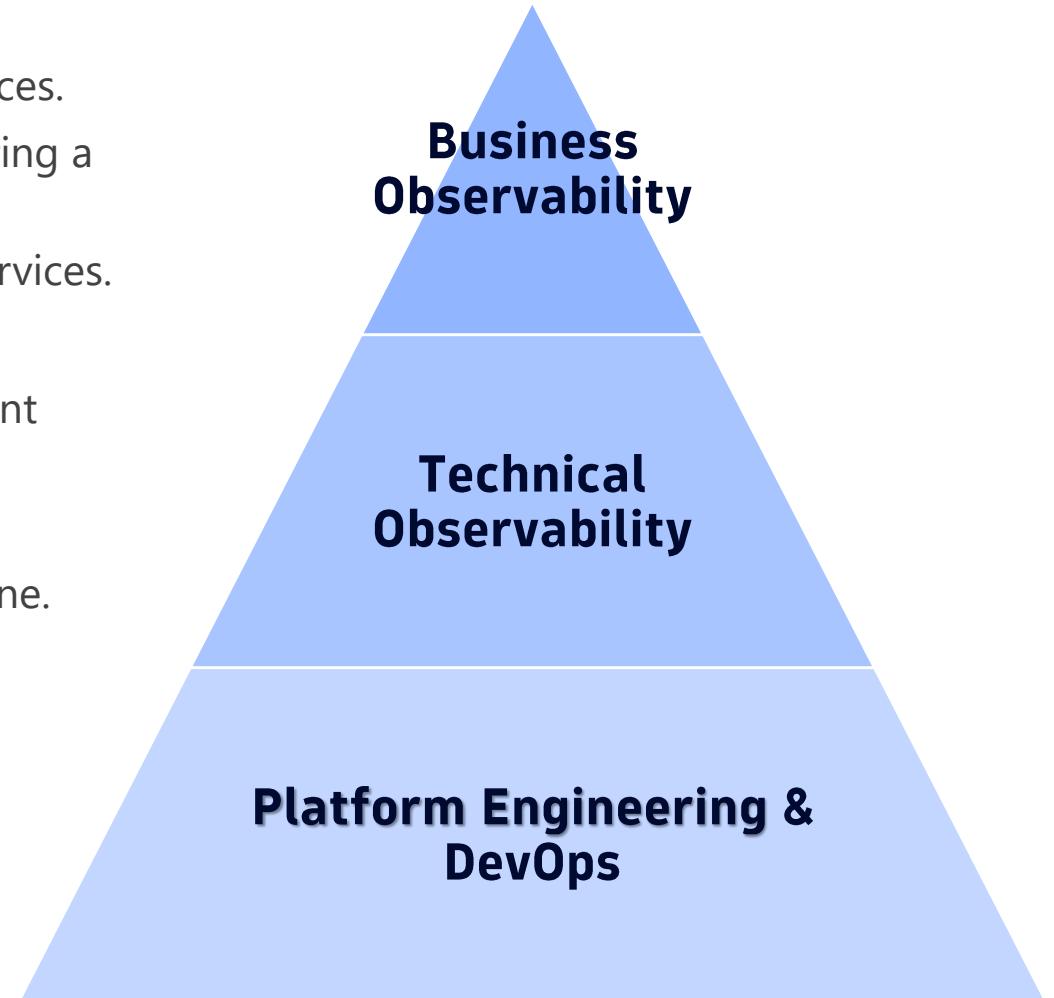
- **Cart abandonment spike** traced to a frontend bug on iOS devices.
- **Revenue drop** correlated with a slow-loading product page during a campaign.
- **Customer churn** linked to repeated failures in order tracking services.

- **Tracing a slow checkout** to a specific microservice (e.g., payment gateway latency).
- **Monitoring API error rates** during a flash sale.
- **Detecting memory leaks** in the product recommendation engine.

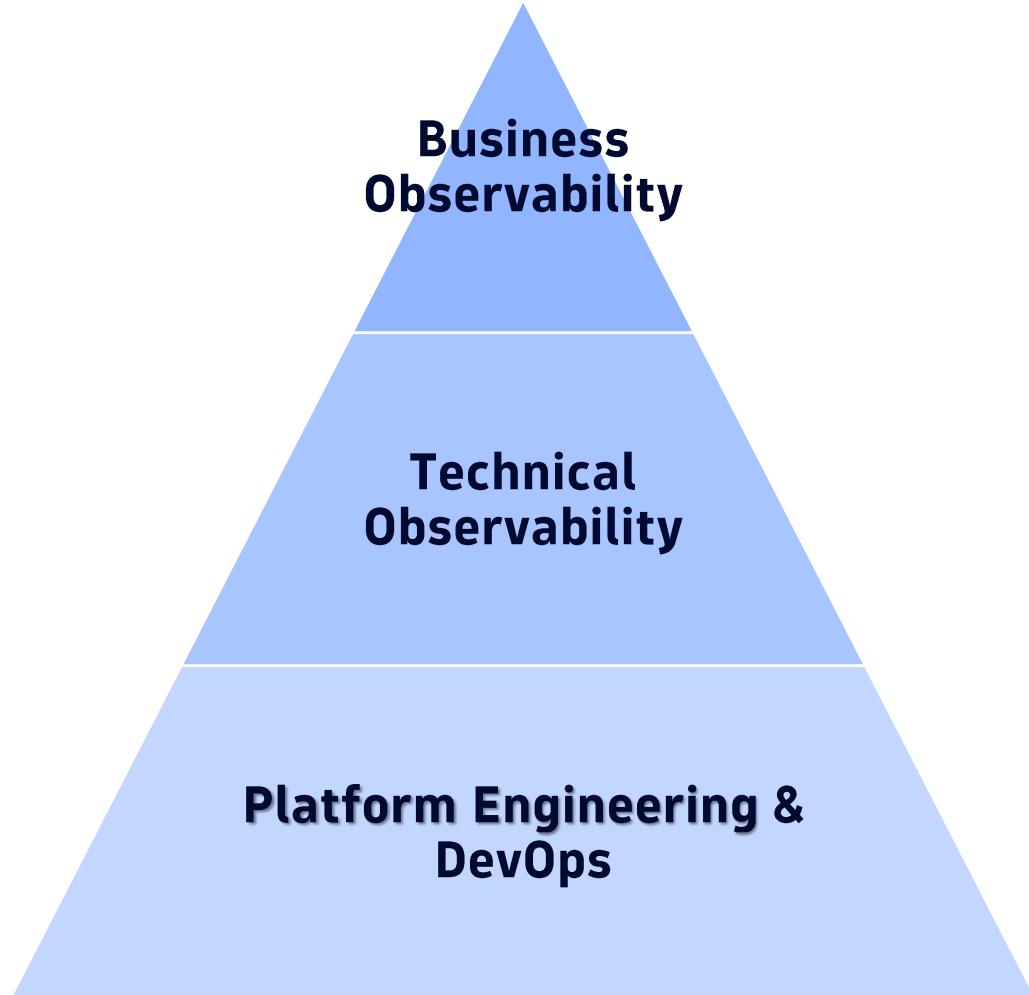
  

- **Blue/Green Deployments** for checkout services to avoid downtime during peak sales.
- **Self-service environments** for marketing teams to test landing pages without engineering bottlenecks.
- **Feature flag systems** to roll out promotions gradually and safely.



# The Observability Maturity Pyramid – Business Outcomes

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Business observability turns engineering from a cost center into a strategic partner. It helps **prioritize incidents based on business impact**, not just technical severity.

Technical observability helps you answer "**what went wrong?**" but not always "**how much did it cost us?**" That's where business observability comes in.

Without a stable and standardized platform, **telemetry is inconsistent and hard to trust**. Business observability built on shaky infrastructure is like building a castle on sand.



# Common Pitfalls - Been there, Done That!

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- **Tool-First Mentality**

- *"We bought the best observability platform—why aren't we getting insights?"*

- **Siloed Teams and Data**

- *"Engineering owns the data, but business owns the questions."*

- **No Business Context in Telemetry**

- *"We have traces, but we don't know which ones matter."*

- **Over-Alerting and Noise**

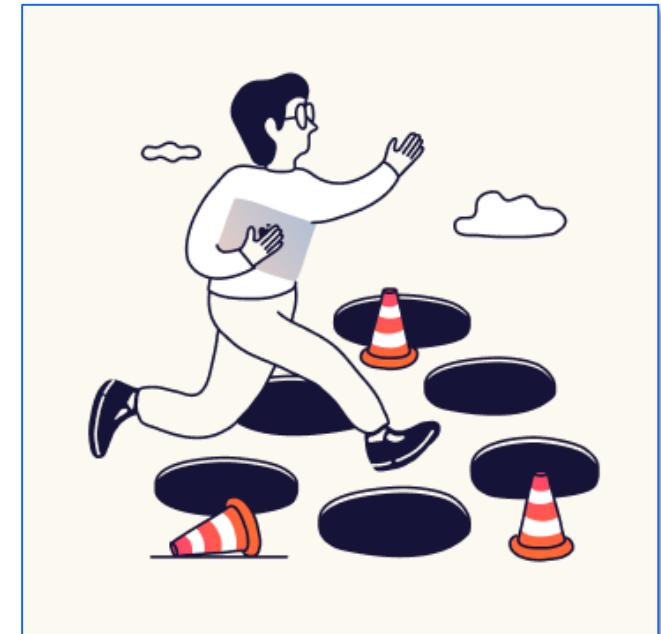
- *"We get 500 alerts a day. We ignore most of them."*

- **Lack of Ownership**

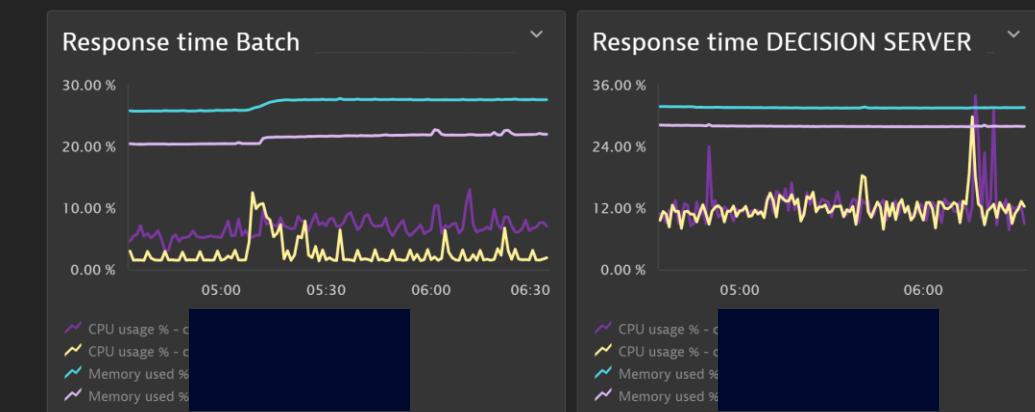
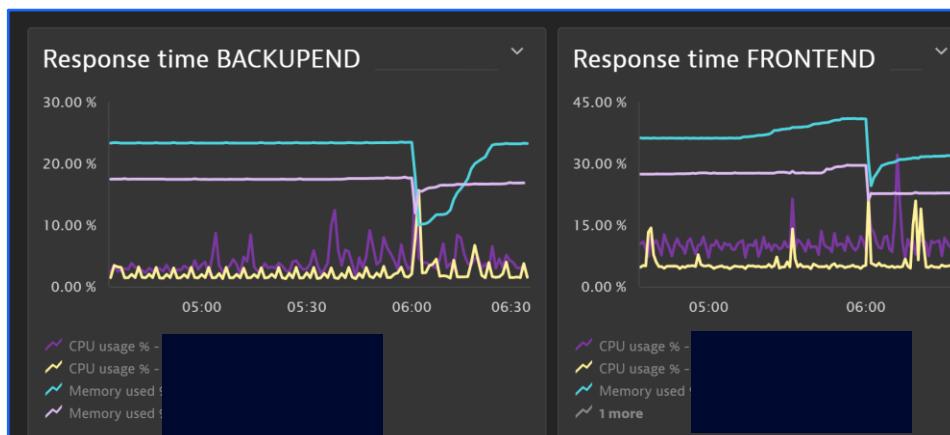
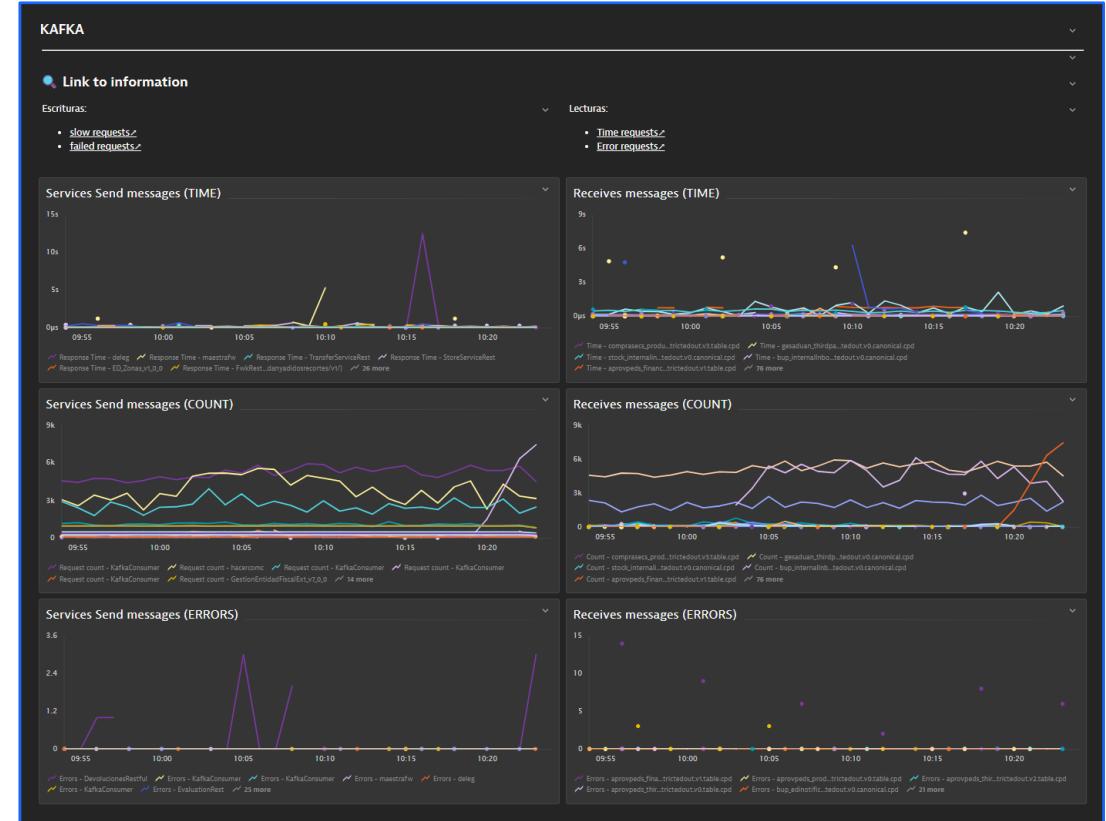
- *"Whose job is it to care about business observability?"*

- **Chasing Vanity Metrics**

- *"Our dashboards look great, but we're still losing customers."*



# What 'starting' looks like.

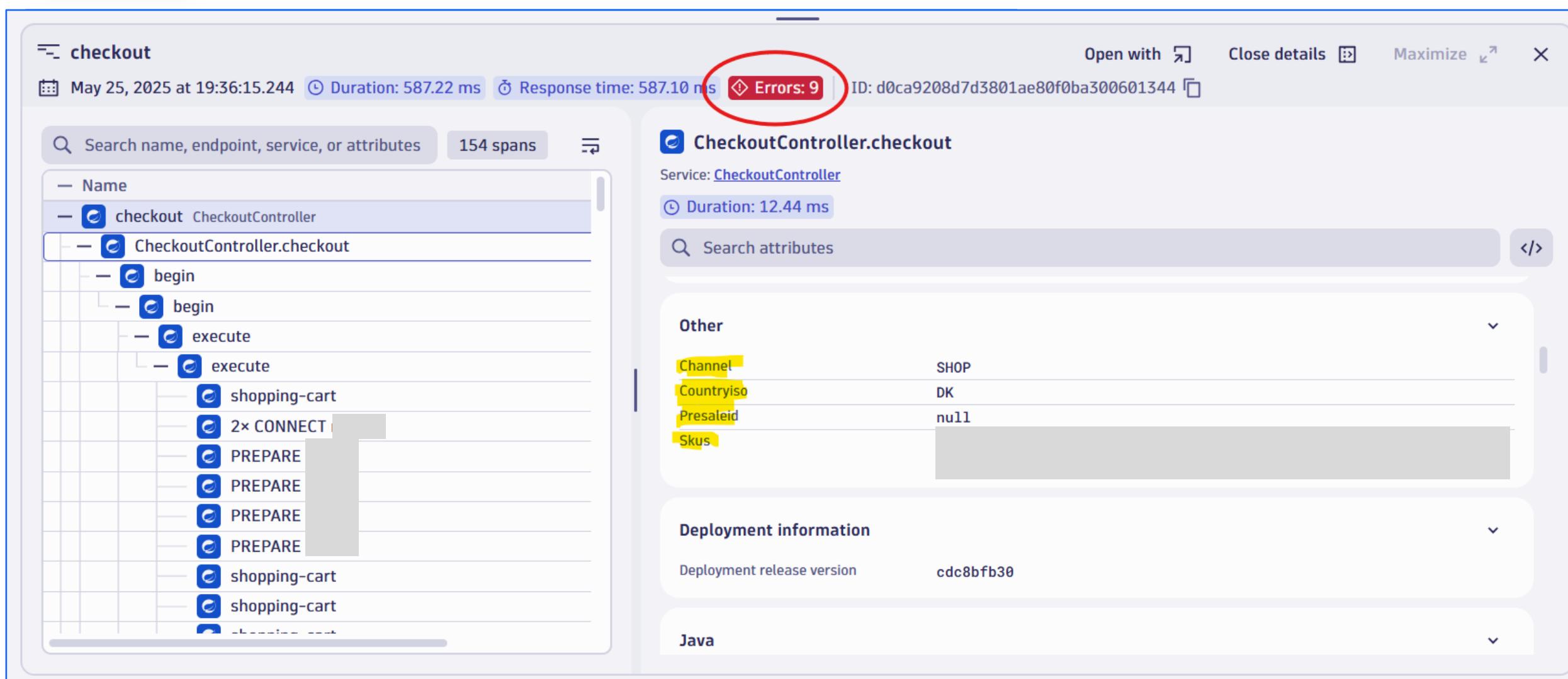


# What Good Looks Like

The collage illustrates a good monitoring and observability setup for a payment system, showing logs, metrics, traces, and dashboards.

- Logs:** A code editor showing a log entry for a payment system. The log includes a timestamp, duration, response time, and an error count of 9, which is highlighted with a red circle.
- Metrics:** A dashboard showing payment statistics for Austria (AT) using Apple Pay via the SHOP channel. It displays metrics like PAYMENTS\_INITIALIZED, PAYMENTS\_CAPTURED, and ACCUMULATED\_BAGS. It also shows a map of global sales and a pie chart of product categories.
- Traces:** A detailed trace for a checkout request. The trace shows the flow from the client to the CheckoutController, including spans for begin, execute, and various PREPARE and shopping-cart operations. The trace ID is d0ca9208d7d3801ae80f0ba300601344.
- Dashboard:** A monitoring dashboard for a Kubernetes Cluster PRO. It shows metrics for failed transactions (813), failed operations (0.4495%), and a response time histogram for the CheckOut service.

# What Good Looks Like



The screenshot shows a tracing interface for a 'checkout' operation. The main panel displays a tree view of spans, with the top span being 'CheckoutController.checkout'. The span details panel on the right shows the following information:

- CheckoutController.checkout**
- Service: [CheckoutController](#)
- Duration: 12.44 ms
- Attributes search bar: Search attributes
- Other** attributes:
  - Channel: SHOP
  - Countryiso: DK
  - Presaleid: null
  - Skus: [redacted]
- Deployment information**: Deployment release version: cdc8bfb30
- Java**

A red oval highlights the 'Errors: 9' badge in the top right corner of the main panel. The entire interface has a light blue background with a dark header bar.

# Call to Action: Build **Before** You Buy

## Invest in Foundations First

Establish **robust software architecture** (microservices, APIs).

Prioritize **data quality and governance** from the start.

Build a **DevOps mindset** with automation and CI/CD pipelines.

Create a **scalable, observable** infrastructure.

## Make Observability a Culture, Not a Tool

**Shift-left observability** into the development lifecycle.

Foster **cross-team collaboration** around metrics and insights.

Promote a “**you build it, you monitor it**” philosophy.

Emphasize **real-time feedback loops** and continuous learning.

## Align Around Business Impact

Tie observability metrics directly to business.

Prioritize insights that drive **decisions and innovation**.

Focus on **resilience and agility**, not just uptime.

Make **data-driven decision-making** a core value.

## Start Small, Scale Smart

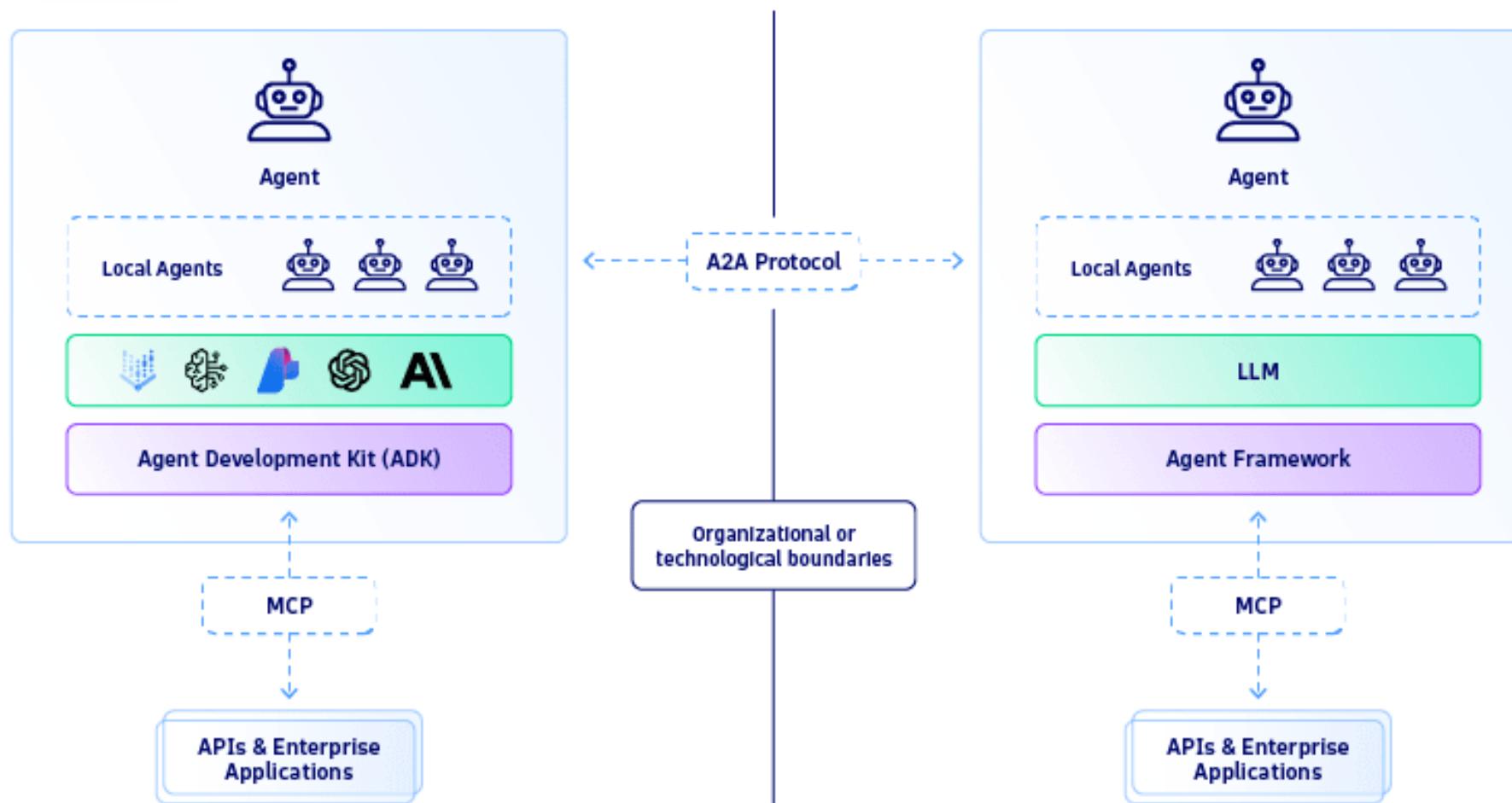
Begin with a **focused use case** or pilot project.

Build **lightweight, modular observability solutions**.

**Iterate quickly** and adapt as complexity grows.

**Scale successful patterns** across the organization.

# Before you leave... Agentic AI



-  **mcp-atlassian** Public
-  **azure-mcp** Public
-  **cloud-run-mcp** Public
-  **dynatrace-mcp** Public
-  **mcp** Public
-  **github-mcp-server** Public

# Open Discussion



# **Hands-On Session: Root-Cause Challenge**

## Today's Scenarios

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- Root-cause Analytics
- Logs-based Incidents Analytics
- Davis Anomaly Detectors
- Auto remediation

