

On-Prem and Cloud: Closing the Correlation Gap

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DATADOG

Speakers



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Agenda

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- 01** The hybrid visibility challenge
 - 02** Why correlation — not collection — is the gap
 - 03** The real cost of slow triage
 - 04** How Datadog unifies visibility across your environment
 - 05** Live demo
 - 06** Q&A
-

Poll: How many tools does your team use to troubleshoot a single incident?

- 1–2
- 3–4
- 5 or more
- Honestly, I've lost count

94%

of teams run three or more
monitoring tools



Digital transformation hidden debt: Complexity

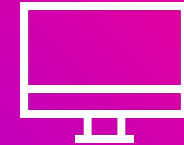
On-prem didn't disappear — it got more entangled.



On-prem isn't going away



The stack grew outward — cloud, containers, & beyond



Most monitoring tools weren't built for this

The hybrid challenge isn't slowing down

Modern workloads are exposing the limits of fragmented monitoring.



More moving parts,
more you can miss



No single view means
no fast answer



Every minute down is a
customer feeling it

The gap isn't collection. It's correlation.

Metrics, events, logs, and traces in separate tools

No shared timeline across signals

Context lost at every team handoff

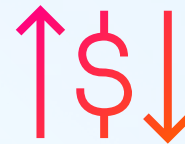
Tribal knowledge fills the gap



Slower incident response

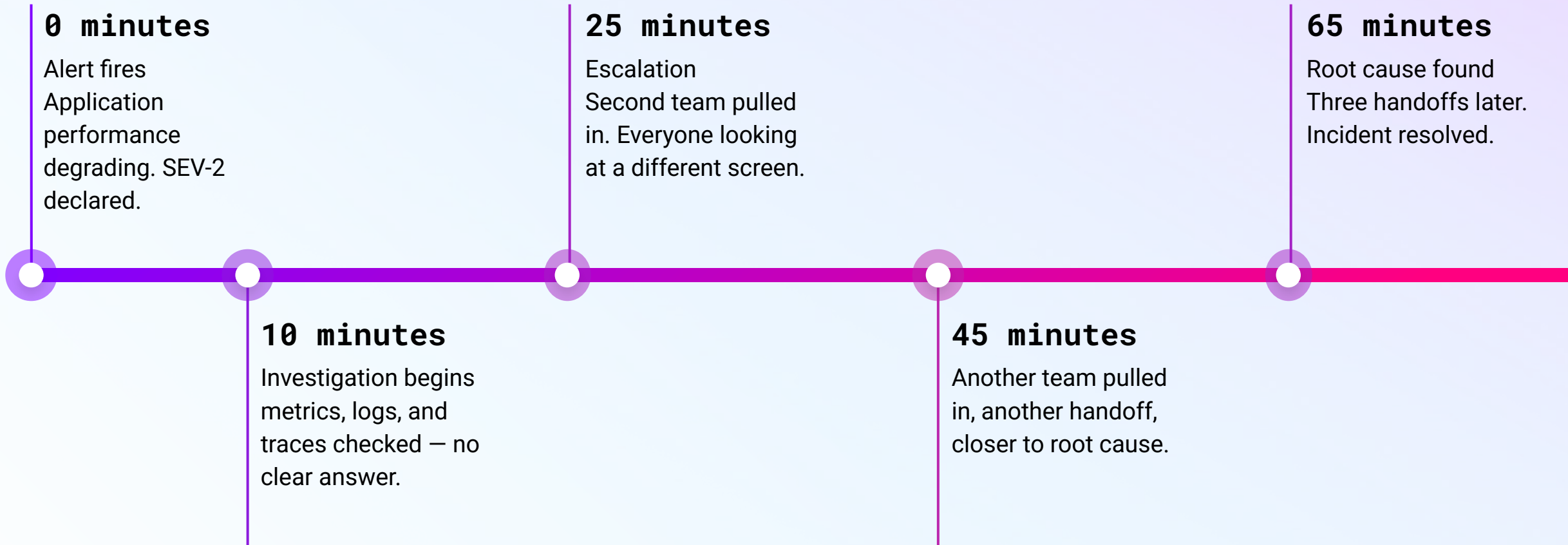


More handoffs, less clarity



Higher cost per outage

This isn't an edge case, it's another Tuesday.



The longer the outage, the higher the bill



\$300k

average cost per hour of
downtime for mid-size and
large enterprises (*ITIC*)



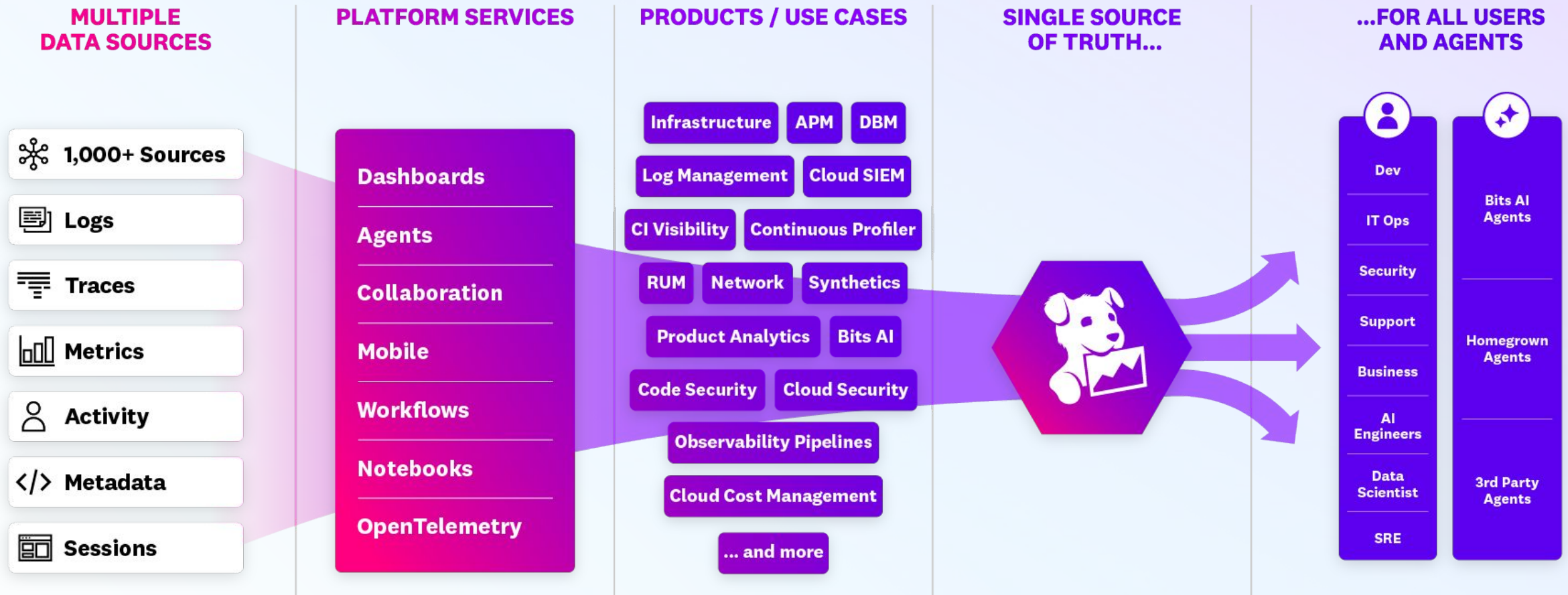
\$500K–\$1M

average cost per hour for Fortune
500 companies (*Gartner*)

Poll: When a production alert fires, where does most of the time go before your team starts resolving it?

- A. Figuring out which team owns the problem
- B. Manually correlating data across multiple tools
- C. Waiting on someone with the right context
- D. We're usually pretty fast — got it dialed in

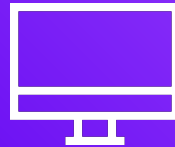
Datadog – Unified observability SaaS platform



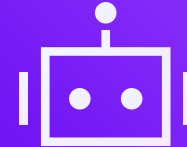
Unified signals, faster answers



Signals correlated
automatically



No tool switching
between signals or
teams



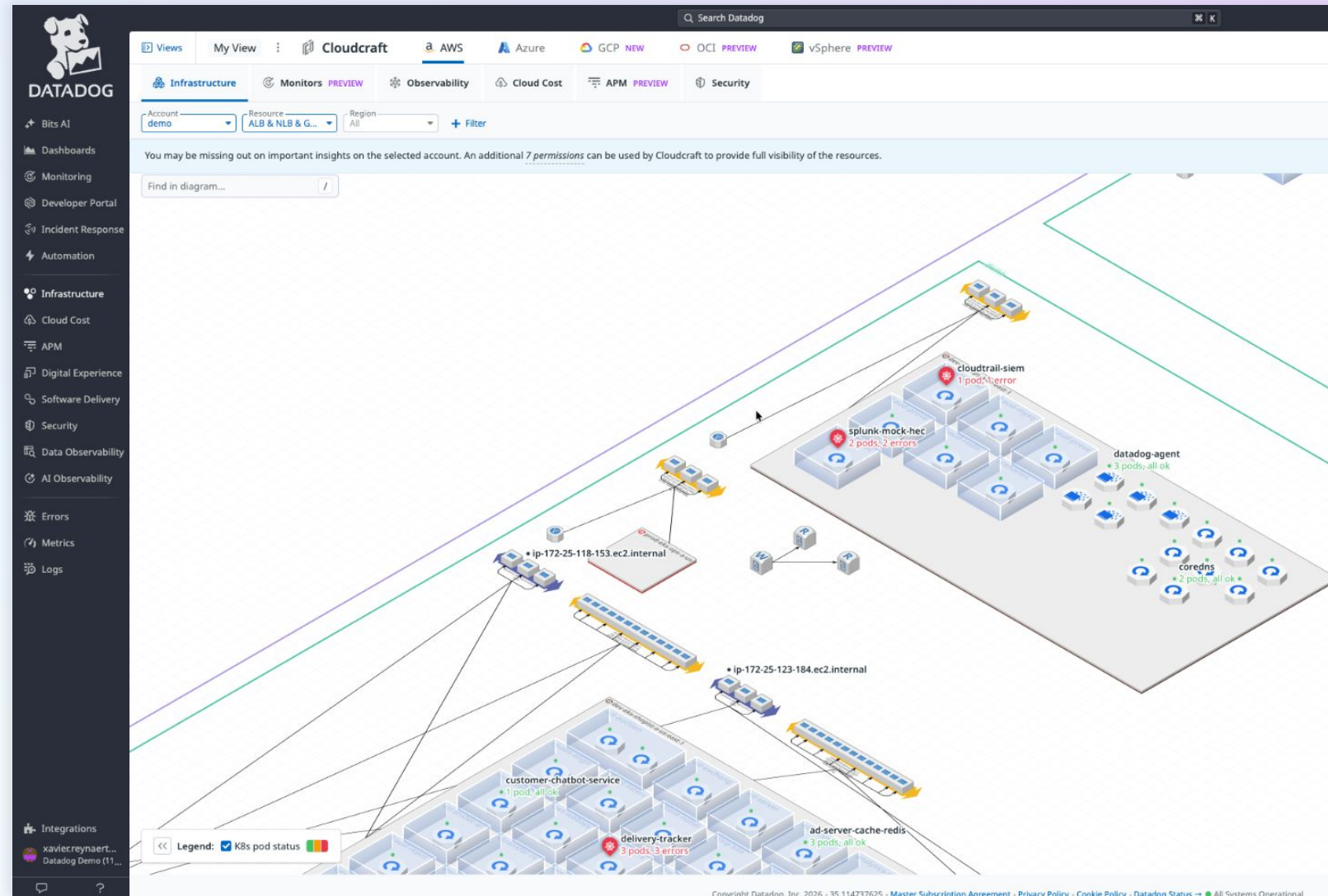
AI-assisted
investigation reduces
time to root cause

Full-stack visibility with Datadog

01 Visualize your hybrid environment

02 Follow the incident across areas

03 Bits surfaces root cause



Full-stack visibility with Datadog

- 01** Visualize your hybrid environment
- 02** Follow the incident across areas
- 03** Bits surfaces root cause



Full-stack visibility with Datadog

01 Visualize your hybrid environment

02 Follow the incident across areas

03 Bits surfaces root cause & remediates

The screenshot displays the Datadog interface for an incident investigation. The top navigation bar includes a search bar and a user profile icon. The main header shows the incident title: "Product-recommendation CPU overload degraded product pages". Below this, the "Hypothesis Tree" tab is active, showing a list of suggested questions and a chat box for "Bits".

The "Hypothesis Investigation" section is highlighted, showing a flow from a "TRIGGER" to a "CONCLUSION".

TRIGGER: A "MONITOR ALERT" titled "(Aggregator Example) Minimum query of CPU on i-097b4607a3f22fe3e on host:i-097b4607a3f22fe3e,service:web-store".

Hypothesis Investigation: A central box labeled "Hypothesis Investigation" with a status of "2 Verified 3 Rejected".

CONCLUSION: A section titled "Product-recommendation CPU overload degraded product pages" containing two sub-sections:

- ROOT CAUSE:** "CPU-intensive correlation and model computation". The description states: "CorrelationHandler and ModelTraining perform heavy mathematical operations that consume nearly a full CPU core, making each /correlate response take 14-21 seconds."
- IMPACT:** "Product pages slow and timing out". The description states: "All product detail page requests experience latency with frequent 30-second timeouts errors, and checkout was also disrupted by pool saturation."

Below the conclusion, there are "3 suggested next steps": "Scale up product-recommendation deployment or Restart product-recommendation deployment".

The bottom of the interface shows a "TIMELINE" section for the month of "August".

At the very bottom, a copyright notice reads: "Copyright Datadog, Inc. 2026 - 35.134644627 - Master Subscription Agreement - Privacy Policy - Cookie Policy - Datadog Status - All Systems Operational".

Demo

Demo outline (here for reference, skipped during preso)

Main point we want people to come away with: Datadog's Linux support has been designed to how Linux is designed it, not against it.

1. Alert fires - Alert surfaces that a bunch of logs are overloading a Linux system that is powering a ecommerce check out workflow and I can see the details, what's around it, etc. Value: engineers quickly have a starting point of what's going on and reduce time to getting oriented with the issue.
2. Dive deeper into the specific host in addition to the alert - Single pane of glass - dig into the particular host, demonstrate metrics, processes, logs, etc. are all easy to get to and no tool switching and a consistent UI experience. Value: eliminate tool switching for context and reduce handoffs
3. I can remediate but I chose to ask Bits - highlight how you could go into Datadog and make changes directly to the system so the logs aren't overloading it, but we can demo how Bits can assist us. Value: one tool to identify and remediate.
4. Bits - Open Bits up and ask it questions like what's the purpose of this Linux host or how does it impact upstream and downstream services, since I don't have context of every single hosts off the top of my head. Value: compresses the most expensive part of incident response — the scoping phase — without removing the engineer from the decision.
5. Engineer validates and remediates - Confirm AI's findings and enrich my knowledge of our systems. Value: reinforces that AI is a starting point, not a replacement — the human stays in the loop for the judgment call.

Poll: Which of these would change how your team responds to incidents?

- A. Correlated signals in one view
- B. Auto-discovery out of the box
- C. Bits surfacing root causes automatically
- D. A single view that stops the finger pointing

“

With Datadog, we've been able to give our teams full access to performance data from all involved elements in a single dashboard... They are able to react faster to the needs of our dealerships in the field.

”



Dirk Muthig

CTO of Porsche Informatik & Head of IT
Governance for Porsche Holding Salzburg



Automotive



Austria



900+ FTEs

RESULTS

By consolidating 10 tools into 1, teams can optimize CX, speed up service, drive online revenue, and deliver faster innovation

29 countries

plus 180 solutions across all
Volkswagen brands

10→ 1 tools

consolidation improved cost
and time-to-insights

500+ locations

dealerships using retail,
service & financing apps

99.5% avail.

while improving root cause
analysis



BEFORE

Disconnected tools, disconnected teams

Siloed signals, no shared timeline

Handoffs and guesswork slow
MTTR

Manual triage consumes an
incident

AFTER

Unified visibility, faster resolution

Correlated signals across your
hybrid environment

Fewer handoffs, faster root
cause

Bits surfaces root causes &
remediates issues

Thank you

Scan the QR code below for a 14 day free trial:



DATADOG

72%

are considering or are
expanding on-prem workloads

