

When the Stack Lies

Finding Root Cause in Distributed Systems

Daniel Raskin, Chief Marketing Officer
David McNerney, Director of Product Management

The modern application is no longer code.

It is a **distributed system**: autonomous, interconnected, and continuously adapting across hybrid enterprise environments.

When Applications Are Systems. **Failure is Systemic**



Airline Reservation system (PSS) unavailable



ATM network failure blocks withdrawals



Point-of-sale (POS) systems offline



Critical patient data unavailable

The Observability Investment Paradox

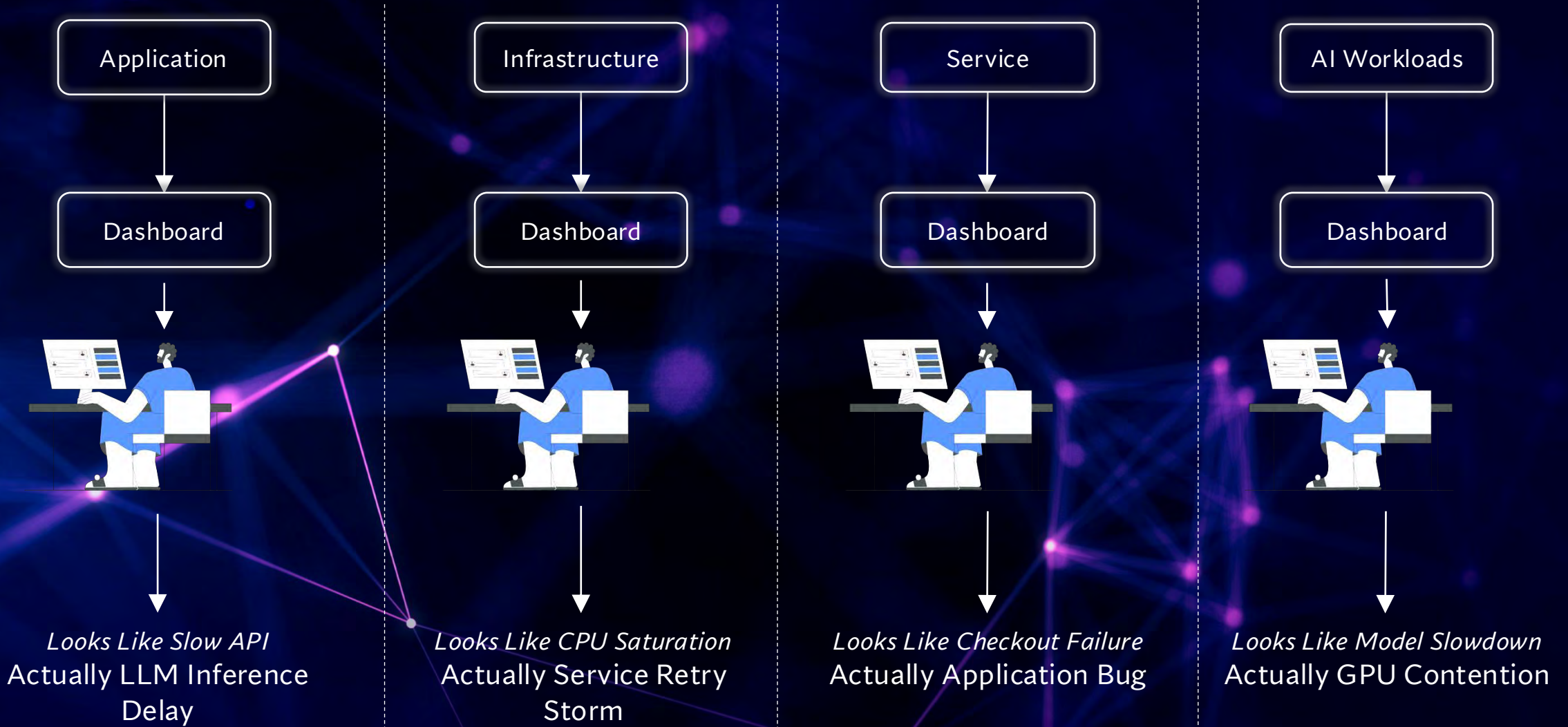
59%

of executives believe
their organizations are AI-ready.

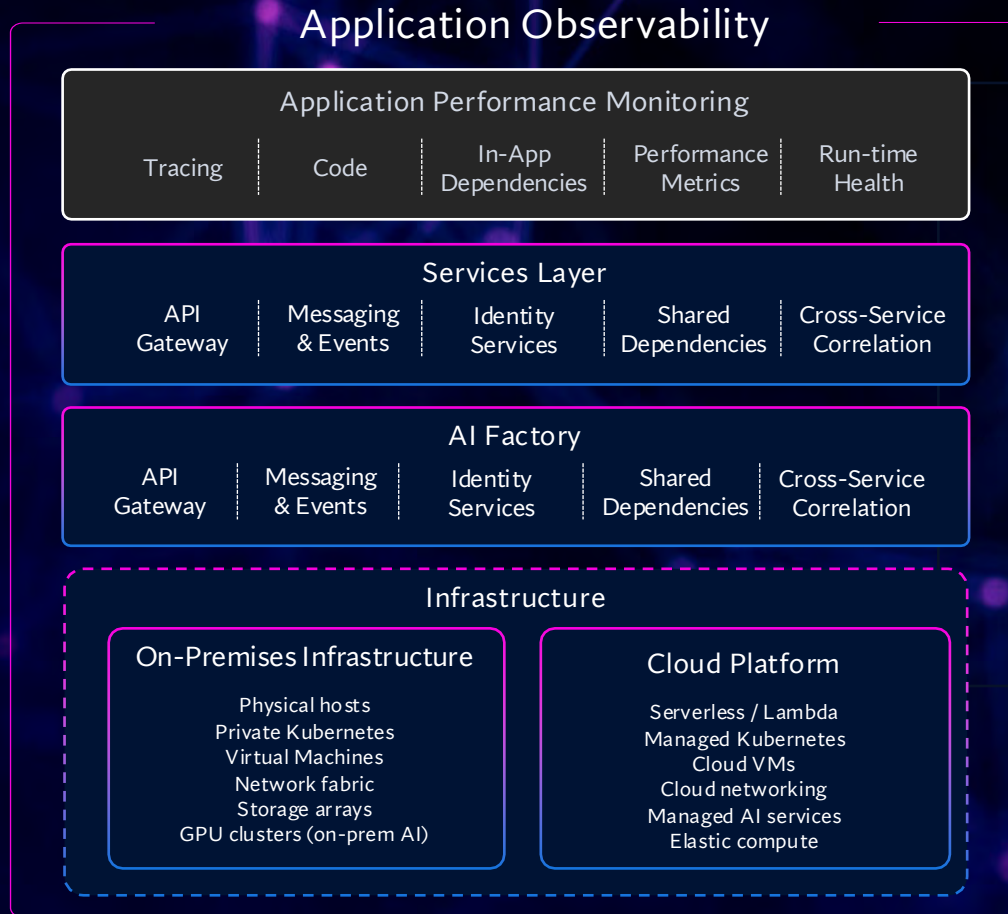
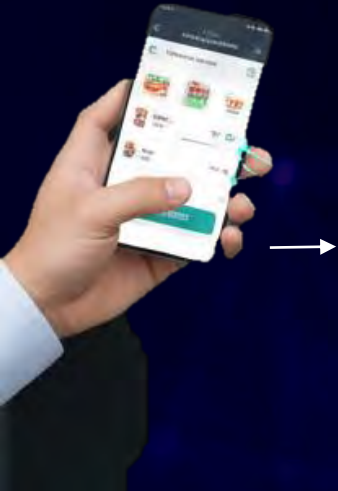
62%

of practitioners report fragmented
systems and persistent visibility
gaps.

Every Layer Shows Symptoms. None Shows the Cause



APM stops at code. We observe the system.



The Evolution of Observability in the AI Age

App is Code	-----	App is System
App Monitoring	-----	System Intelligence
Manual Workflows	-----	Agentic Operations
Manual Queries	-----	Natural Language Response
Isolated Traces	-----	Continuous Understanding
Reactive Alerting	-----	ML Insights

The Deepest & Broadest Observability Platform

Client Environment

AI Infrastructure
GPU / ROCEv2
Network
Storage
Training Models

Machine Data
Servers
Virtualization
Hyperconverged
Storage
Network
Storage Network
Cloud

Applications
Traces
Logs
Containers
Cloud Services
Databases

Wire Data
Storage Network

Ecosystem Data
APM / CMDB / ITSM

Public Cloud

On-Prem

Global View AIOps

AI Factory
Observability

Application
Observability

Infrastructure
Observability

Service
Observability

Virtana AI Platform

Continuous Optimization

Enriched Alarms and Remediation

GenAI Causal Analysis

Proactive Problem Detection

Automated Discovery Dependency Mapping

Hybrid deployment: on-prem, colocation, and cloud

Client Business Outcomes

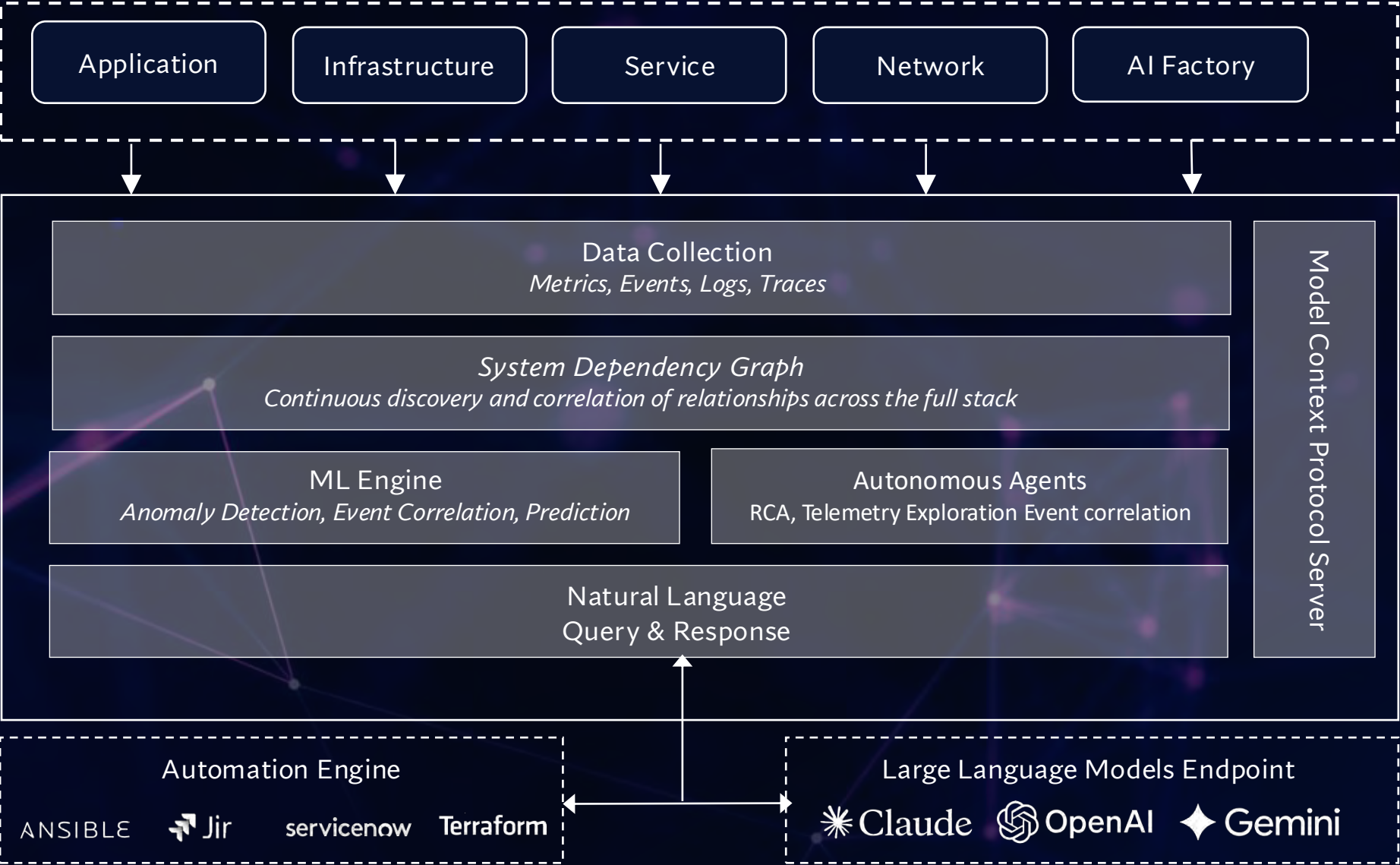
Operational
Excellence
and Resilience

Resource
Optimization
and Financial
Management

Continuous
Performance
Tuning

Accelerated
Innovation

Virtana Platform Architecture

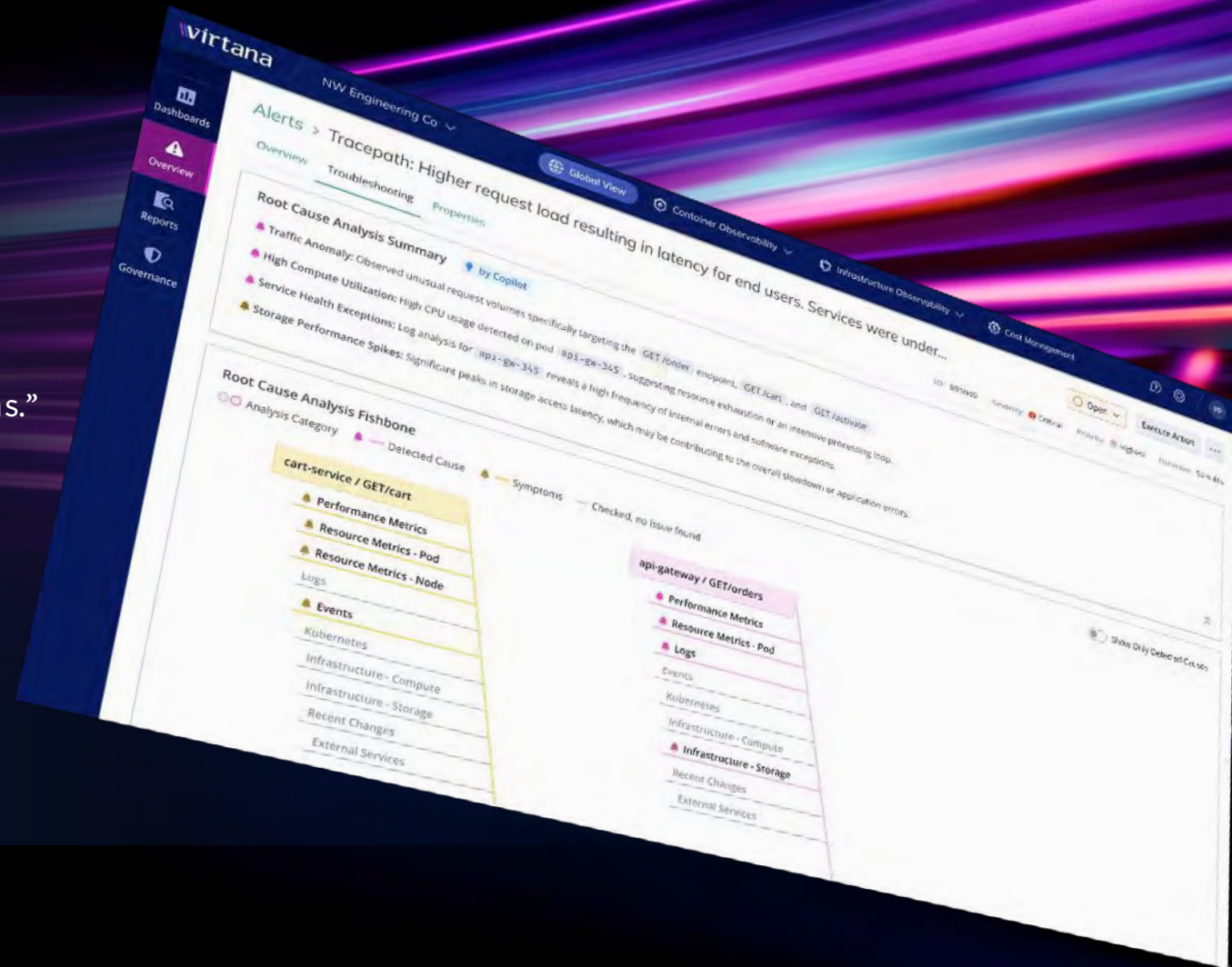


Virtana AI Platform

Application Observability Demonstration

From Alert to Fix — Live

- **Transaction Tracing**
“Why is checkout timing out?”
- **Log Correlation**
“These logs are scattered across five systems.”
- **Root Cause Analysis**
“3 a.m. P0. No runbook.”
- **Agentic Automation**
“Fix the known. Page me for the unknown.”
- **MCP Context**
“Virtana Copilot knows your environment.”



 virtana

THANK YOU