

Oracle Management Cloud

Smarter insight. Swifter action.

AMIS event – overview OMC

Nieuwegein, 26 January 2017

Dennis van Soest
Cloud & Enterprise Manager, EMEA



Why Customers Demand New Solutions

IT drowning in operational data, human operators overwhelmed. Nobody has actionable information

6-10

Average **number of IT Operations systems** of record in a typical enterprise. Customers want this reduced.

6%

Customers who say they **trust** their **monitoring** strategy. Legacy approaches don't fit today's app architectures

32%

Production application problems that are **reported first** by **customers**

55%

IT organizations that see the **need** for **new management solutions** designed for the scale and **complexity of the digital business era**

Sources: 1. "Deploy a Multivendor Strategy for Availability and Performance Monitoring," Gartner, Jan 2014.
2. "Put The "Ops" In "DevOps": Improve Speed And Agility Through Better Service Delivery, Forrester, August 2016.

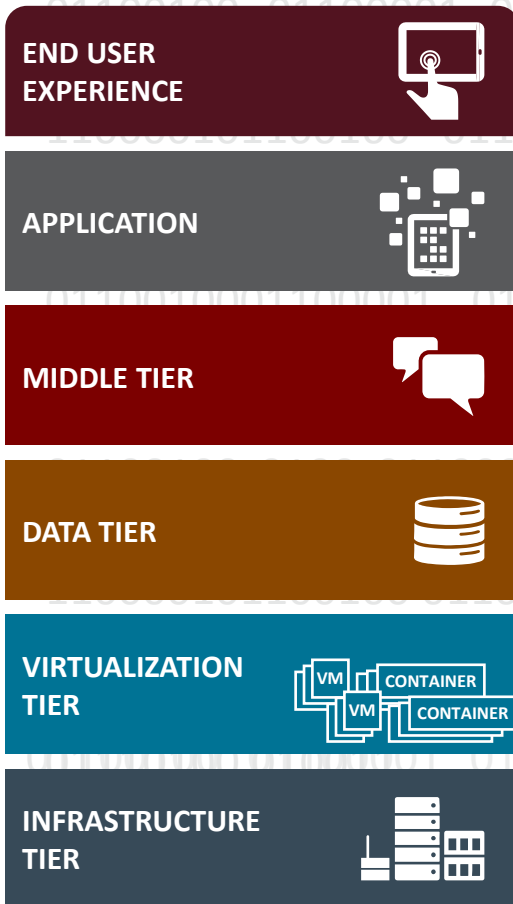
1. "Put The "Ops" In "DevOps": Improve Speed And Agility Through Better Service Delivery, Forrester, August 2016. 2. "Integrated Cloud-Based Monitoring and Analytics Break Down IT Operations Silos," IDC, June 2016.

IT Organizations are Drowning

Too many tools

Too much data

No insight



Smarter insight.

Introducing
ORACLE®

**MANAGEMENT
CLOUD**



Swifter action.

Our Vision

Complete, integrated suite of
systems management solutions

Designed for heterogeneous
applications and infrastructure

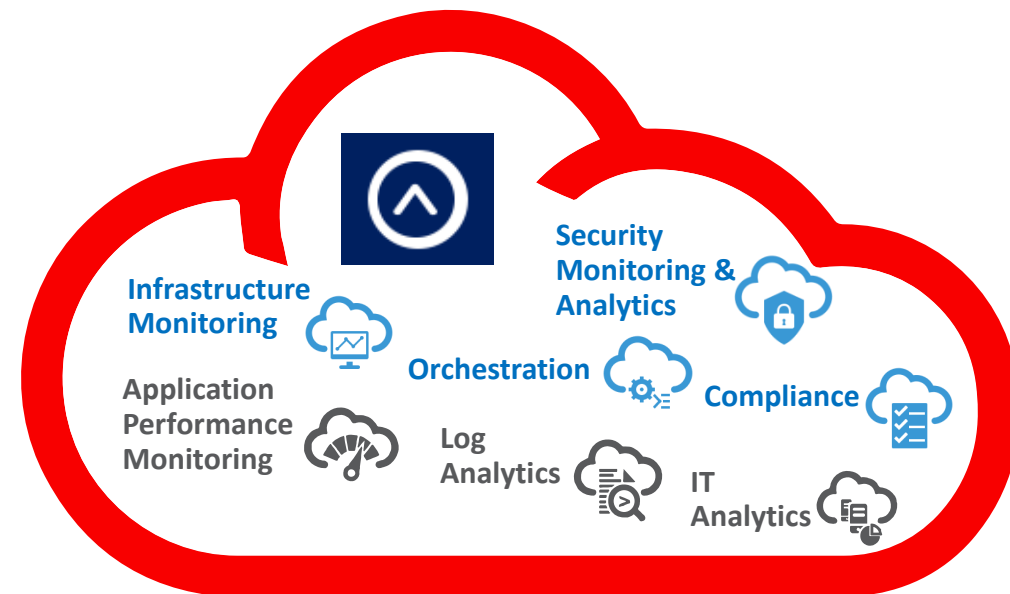
Rapid time to value



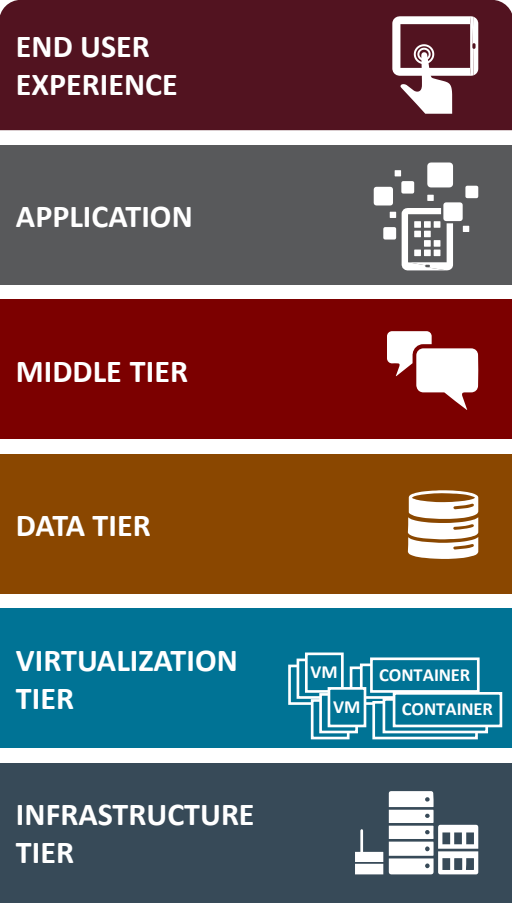
ORACLE®
CLOUD



Microsoft Azure



Intelligent, Unified Platform



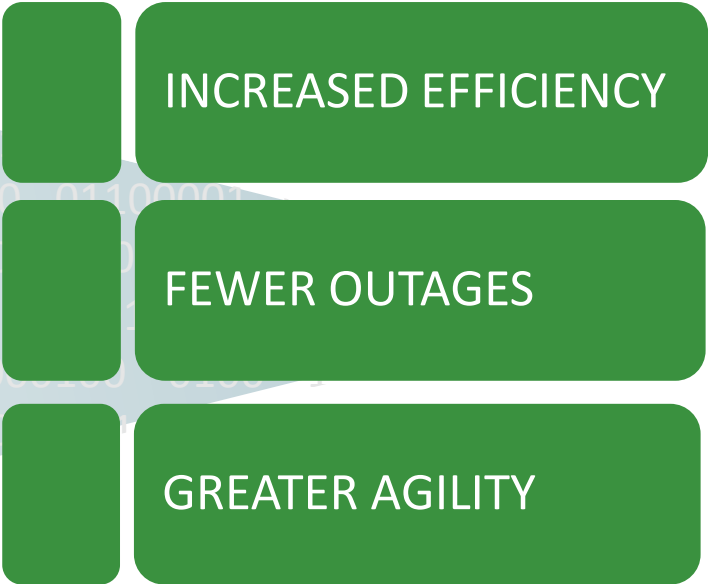
Real Users
Synthetic Users

App metrics
Transactions

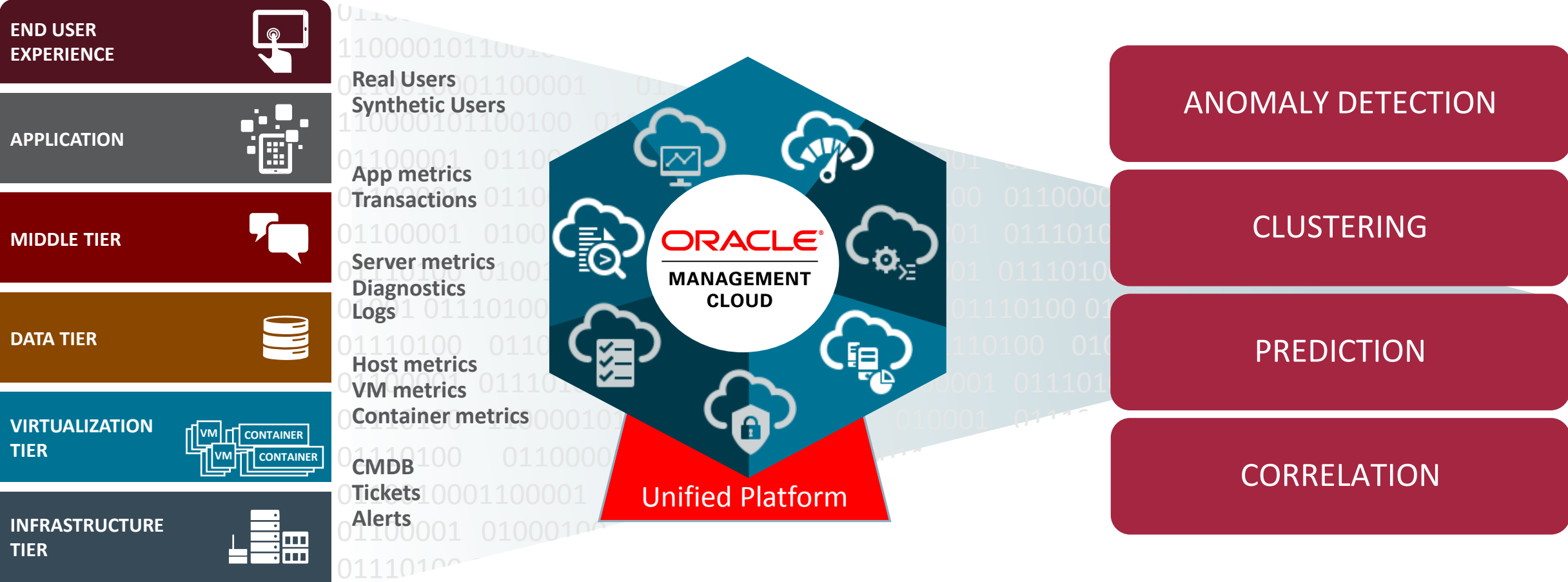
Server metrics
Diagnostics
Logs

Host metrics
VM metrics
Container metrics

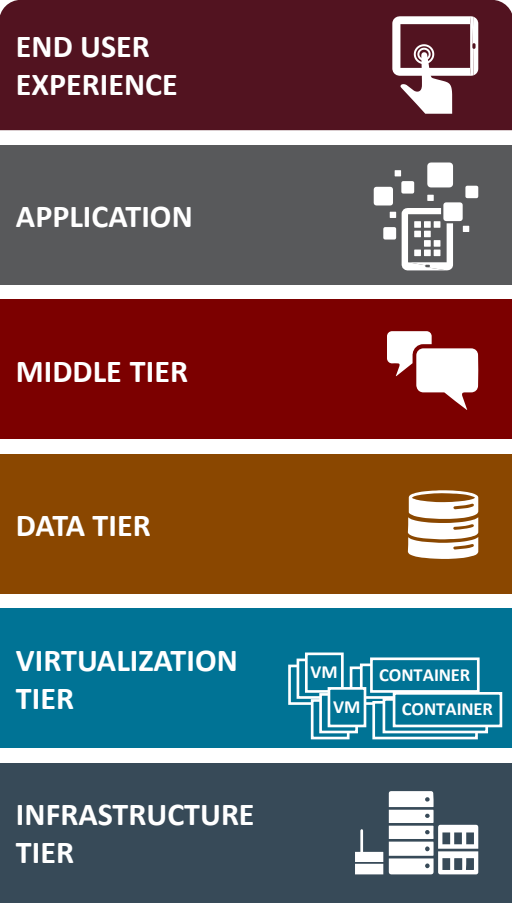
CMDB
Tickets
Alerts



Powered by Machine Learning



Heterogeneous and Open



Real Users
Synthetic Users

App metrics
Transactions

Server metrics
Diagnostics
Logs

Host metrics
VM metrics
Container metrics

CMDB
Tickets
Alerts



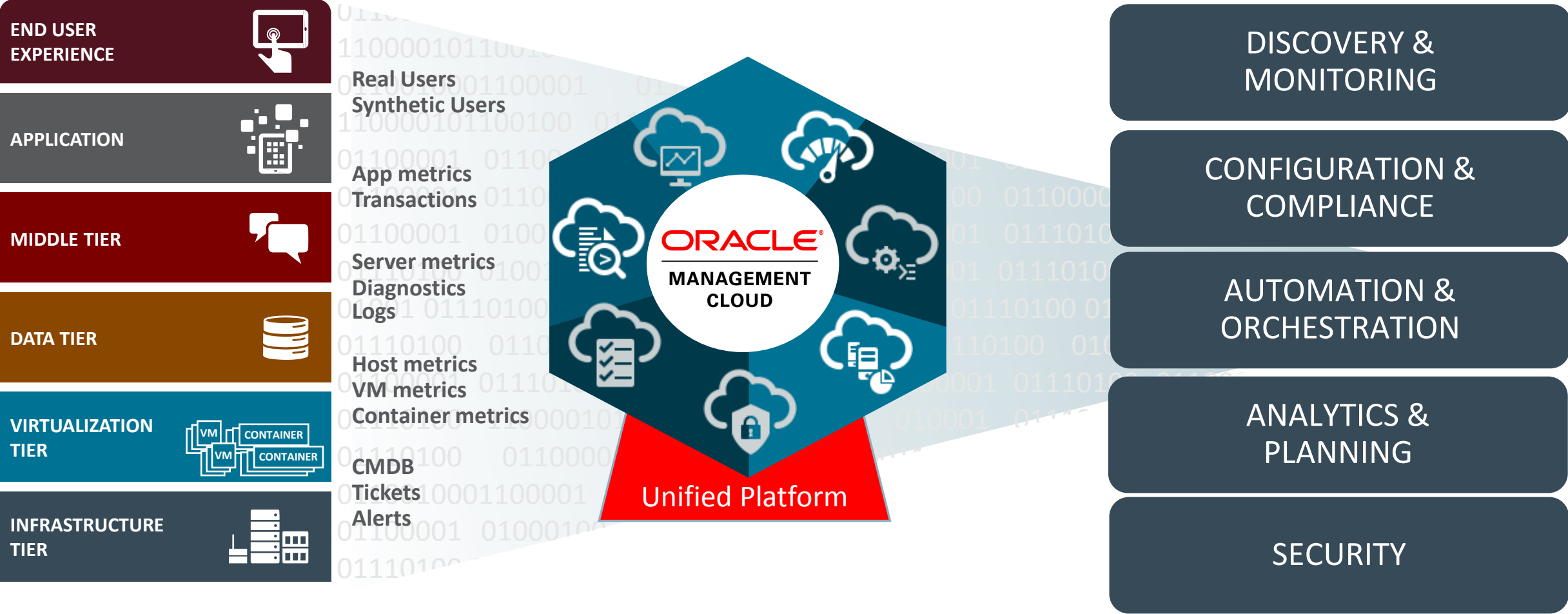
MANAGE ANY PLATFORM...

ON ANY INFRASTRUCTURE...

ACROSS ANY CLOUD...

OPEN APIs...

Complete, Integrated Suite





Services Designed To Work Together

Application Performance Monitoring



Monitor real users, synthetic users and application performance

Infrastructure Monitoring



Monitor database and cross-tier infrastructure performance

Log Analytics



Aggregate, index and explore the entire enterprise log estate

Compliance



Manage configuration and change against industry and custom standards

Orchestration



Execute automated remediation and other tasks at hyper scale

IT Analytics

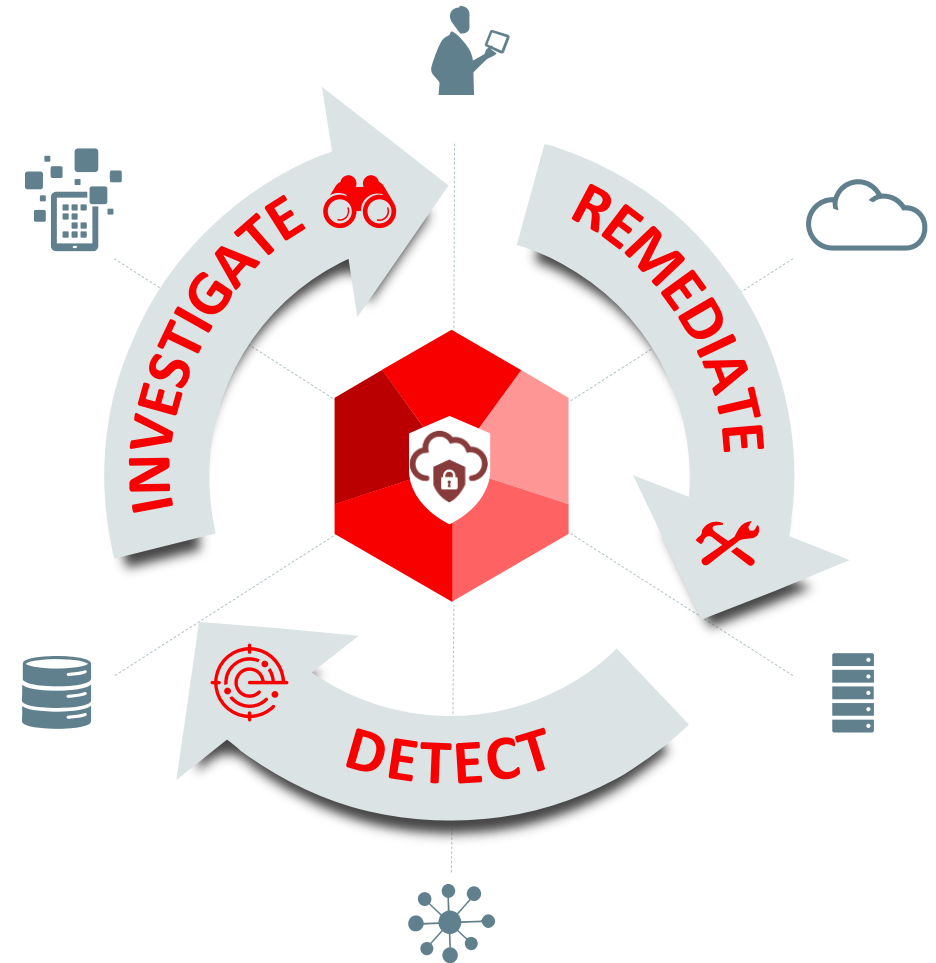


Analyze business and IT data using pre-built apps and ad-hoc exploration

NEW: Security Monitoring & Analytics Cloud Service

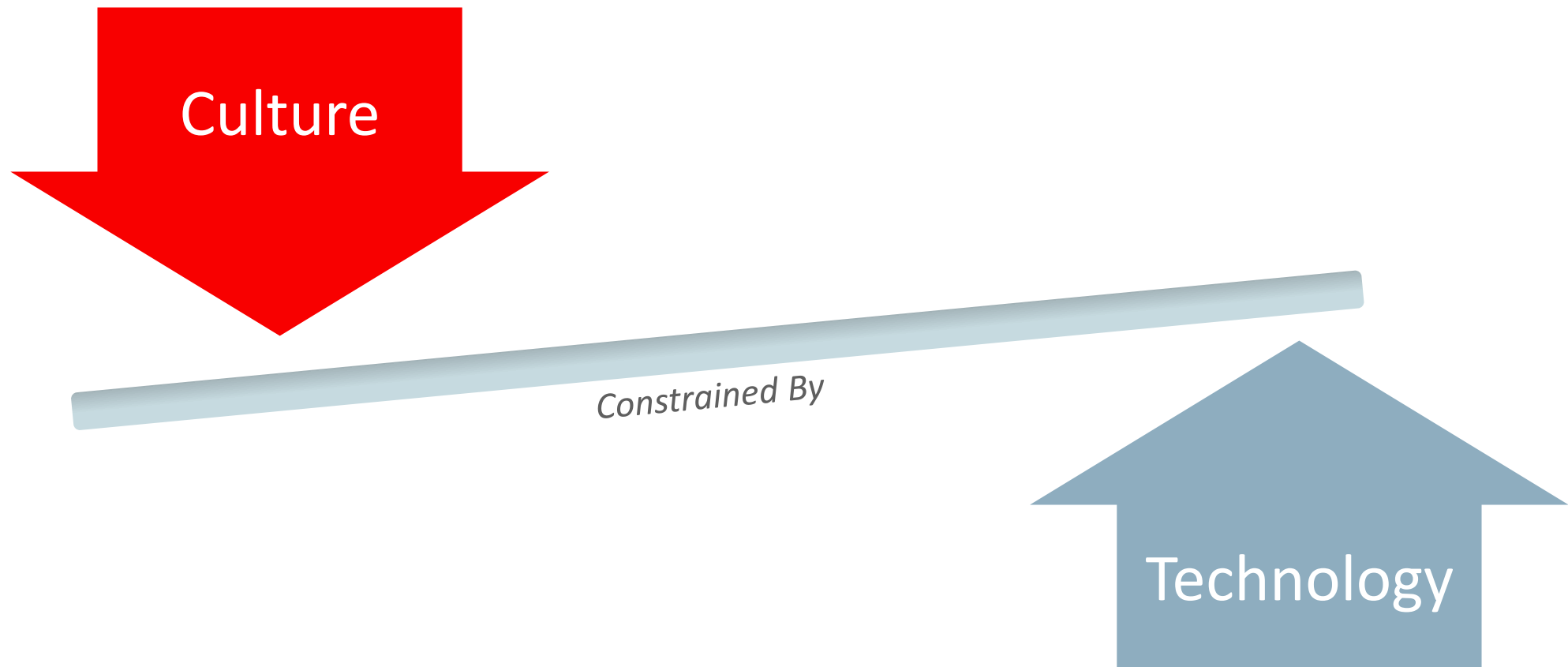
Unified security monitoring (SIEM + UEBA)

- Protect Against Known and Unknown Threats
 - Universal threat visibility
 - SOC-ready content
 - External threat feeds
- Advanced Threat Analytics and Visualization
 - Unauthorized data access detection
 - Multi-dimensional behavioral anomaly detection
 - Session awareness and attack chain visualization
- *Next-Generation* Security Solution
 - Topology awareness
 - Configuration change awareness
 - Auto-remediation



Modern DevOps = Culture + Technology Movement

Culture is what's behind DevOps; technology is the enabler



Improving Performance pays off!



2%

Increased conversion

for each **1 second** of performance improvement

Walmart - 2012

60

Million more downloads of Firefox after decreasing avg download time by 2.2%

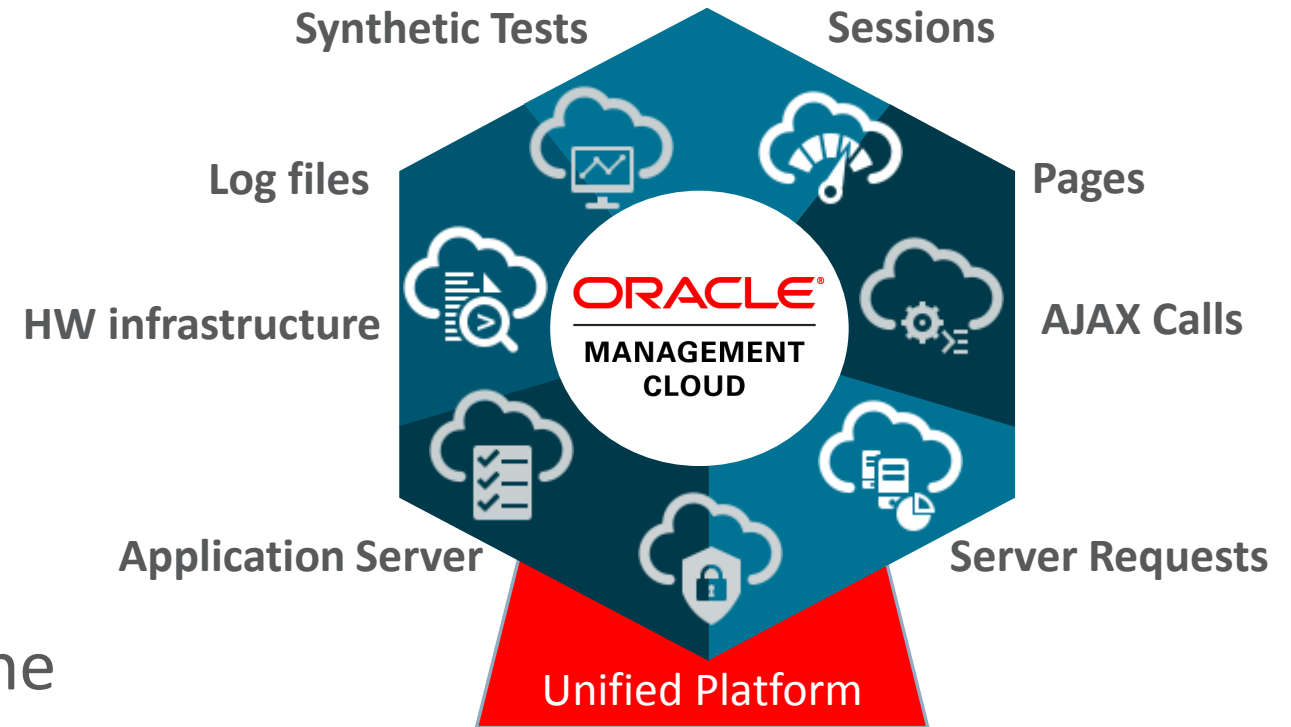
17% less complaints and **77%** **better customer satisfaction** for companies that focused on application performance optimization

Aberdeen Group, Reaching the Top of the Web Performance Mountain, May 2013

Application Monitoring and Troubleshooting

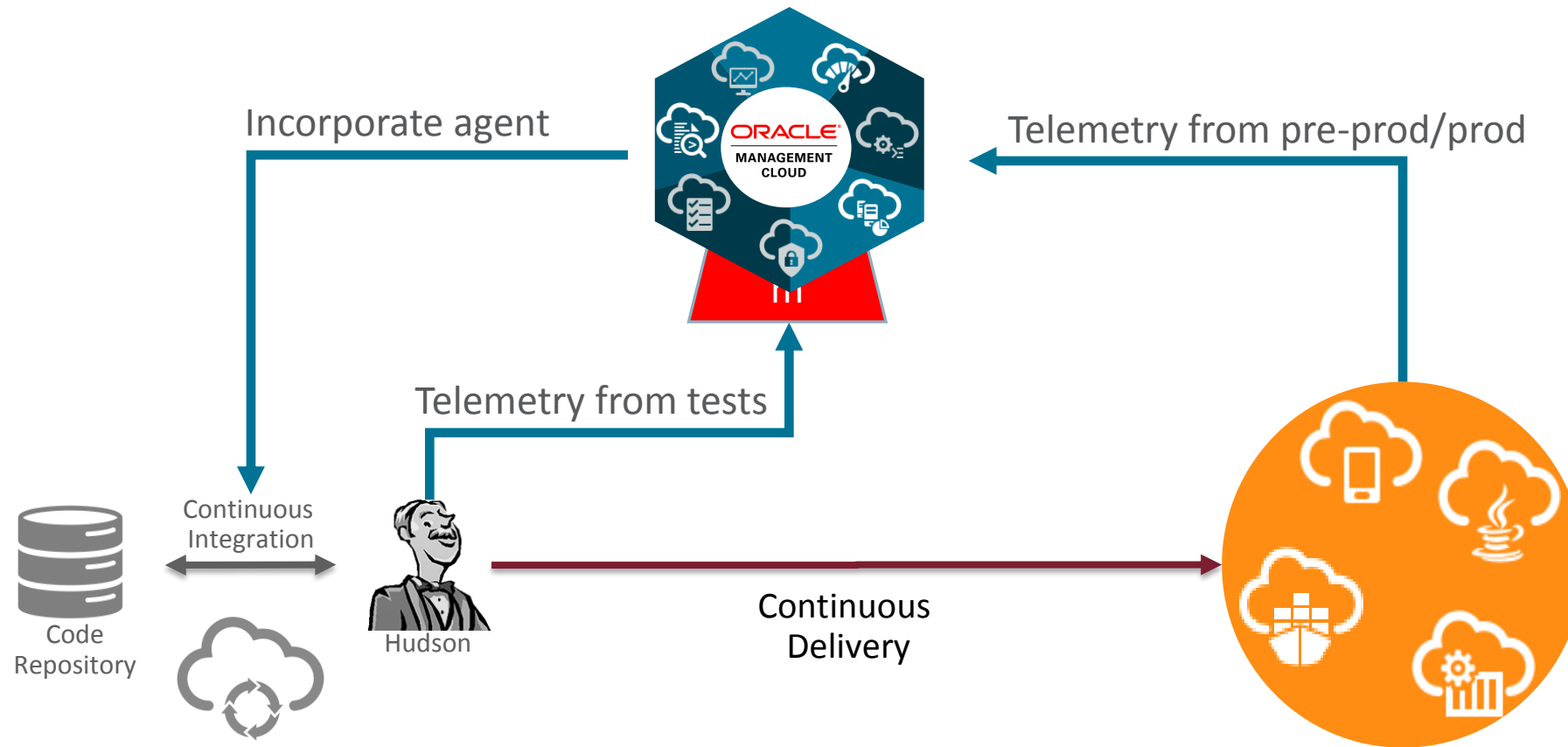
Multiple disciplines, unified data source

- Application Monitoring
 - Pages, AJAX calls, server requests
 - Alerts, metrics, topology
 - Structured data
- Log Analytics
 - Log files, unstructured data
- Combine relevant data for a discipline
 - combine application topology with log data for rapid troubleshooting



Build *Better* Applications Faster

Automate Monitoring, Management too



Shared Telemetry Enables Shared Ownership

Come to the table with questions and focus on facts



- How did the application do last week?
- Does the measured behavior match our understanding of the code?
- What areas for improvement can we see from data?

Safexpress

- Needed visibility into performance of run-the-business ERP and mobility applications
- Using APM and Log Analytics

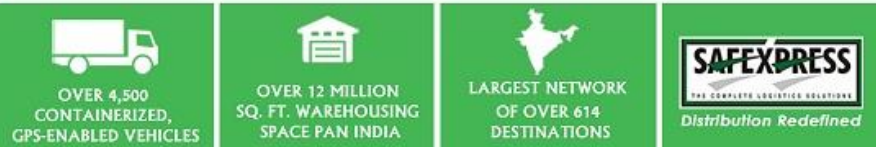
Discovered and fixed
a system deployment oversight which
had existed for a long time

**Reduced effort
by multiple FTEs**
To diagnose routine issues

Under 5 days
Time-to-value

ORACLE®

THANK YOU FOR YOUR CONTINUED SUPPORT!



Distribution Redefined

- Indian market leader in supply chain & logistics
- 4,500+ vehicle fleet, 12M sqft. of warehouses

**VIDEO: Safexpress
Eliminates IT War
Rooms with Efficient
Management**

Idea Cellular

- CIO office needed visibility over mission critical ERP, CRM and WebSphere Mobile applications as part of transformation to digital enterprise
- Using Log Analytics and IT Analytics

Minimal effort

required to navigate log estate

30% time reduction

to diagnose root cause of problems

Proactive detection

of application anomalies



- Third largest Indian mobile telecom provider
- Over \$5B USD in annual revenue
- Over 175M subscribers

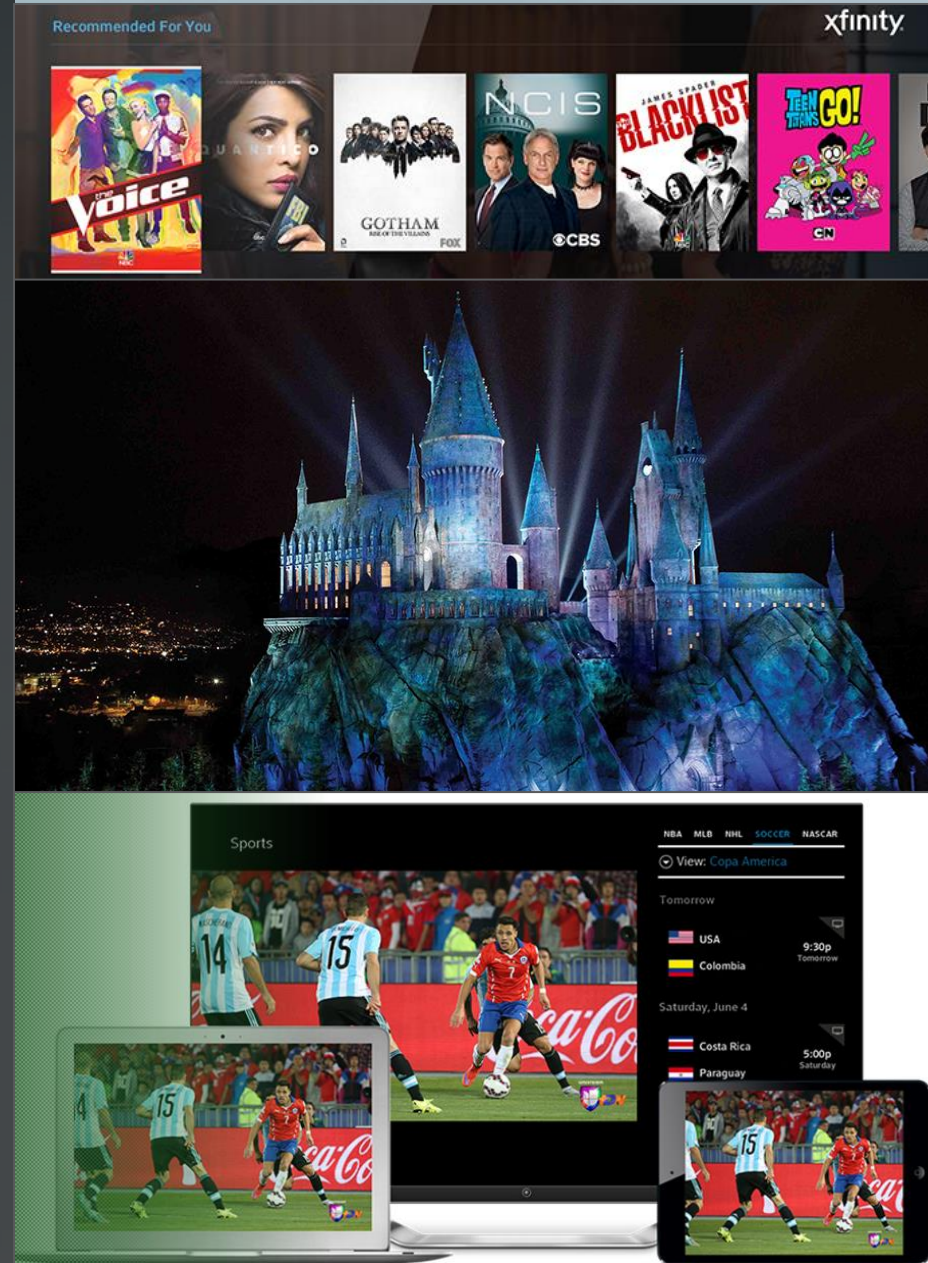
[VIDEO: IDEA Cellular Transforms IT Management with Machine Learning](#)

Comcast Cable

- Organizational Goal of reducing mean-time-to-repair for large Oracle database estate
- Using OMC IT Analytics to do capacity planning and demand forecasting based on wealth of existing operational data stored in Enterprise Manager
- Can quickly look at current and forecasted KPIs such as CPU, Memory and Storage utilization across their entire estate and rebalance workloads accordingly

Zero

Effort required to forecast demand and optimize capacity and utilization



Global media and technology company based in USA with two primary businesses, Comcast Cable and NBC Universal

\$28B in Revenue, growing over 10%

** Internal use only **



ANJANI KUMAR

CIO
SAFEXPRESS



[Safexpress Eliminates IT War Rooms with Efficient Management](#)

For More Information



ORACLE®
MANAGEMENT
CLOUD

Cloud.oracle.com/management



#MgmtCloud
@OracleMgmtCloud



blogs.oracle.com/cloud



ORACLE®

Integrated Cloud

Applications & Platform Services