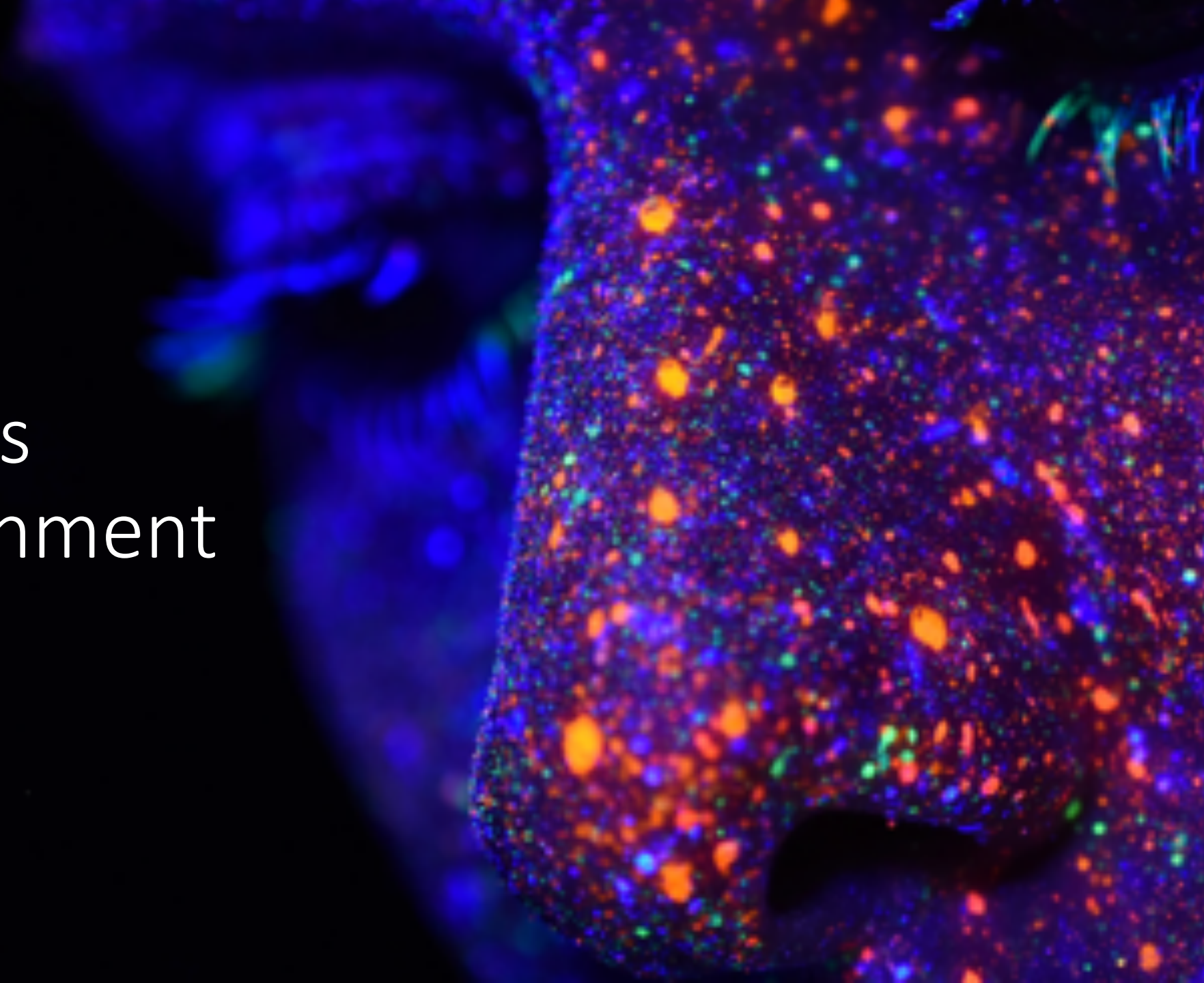


Watson AIOps Demo Environment

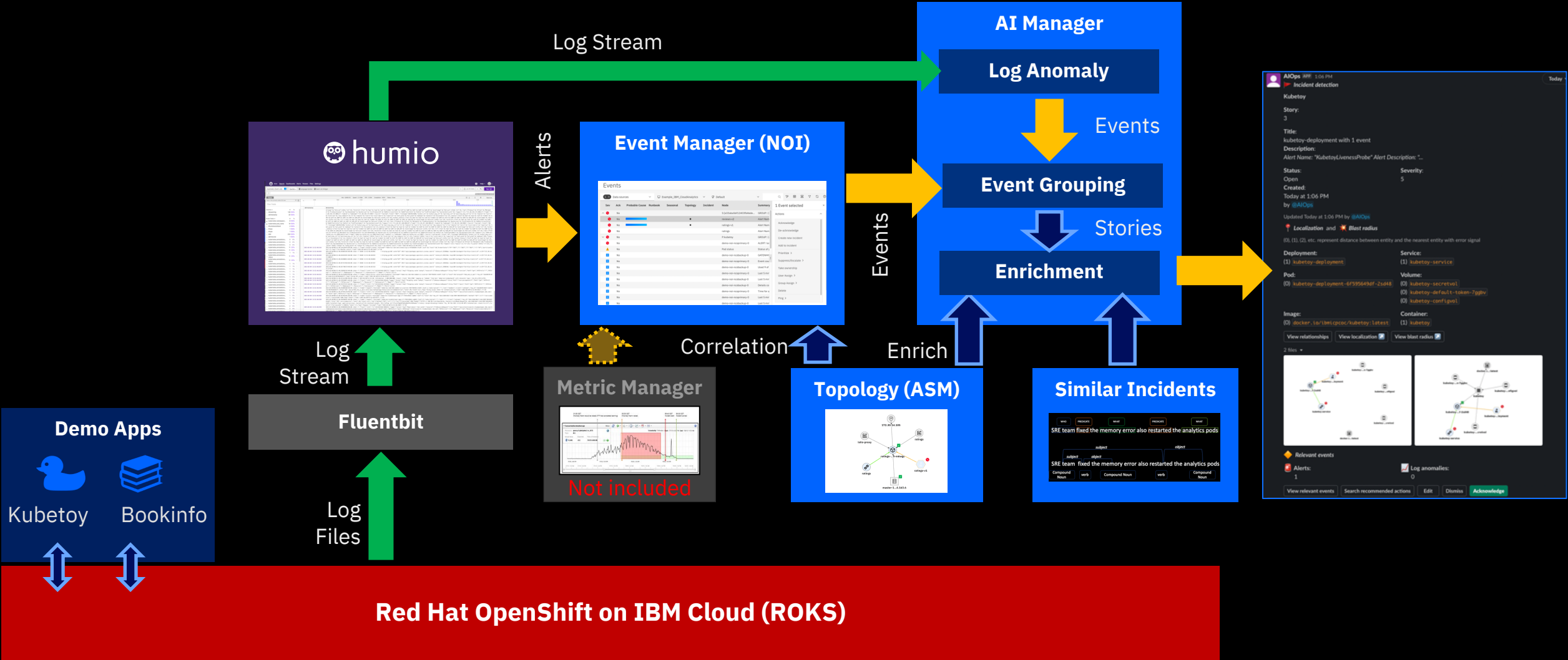


WAIOPS

Demo

Environment

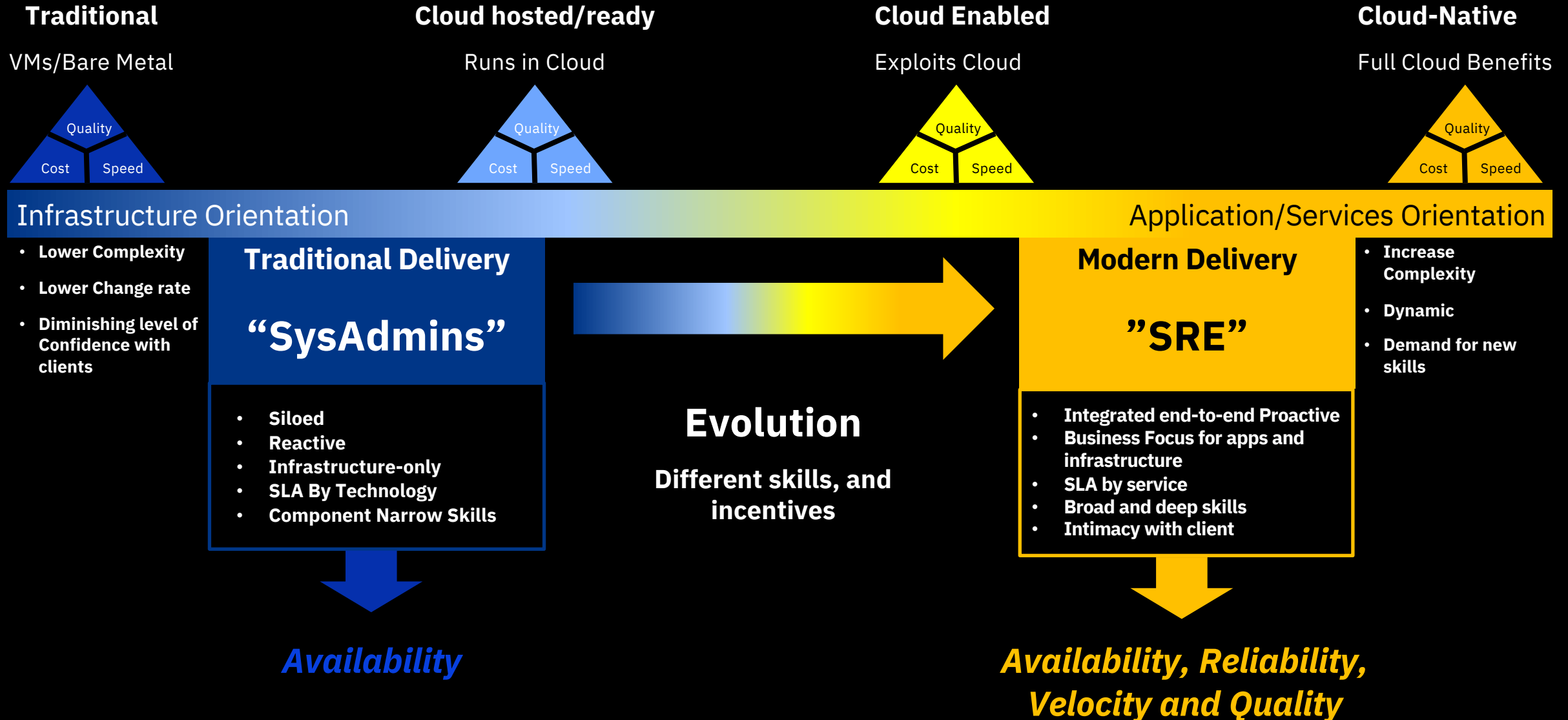
IBM Watson AIOps Demo - CH



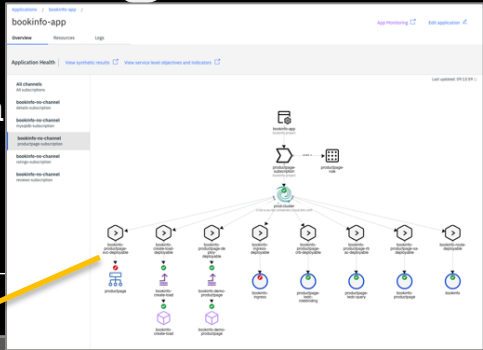
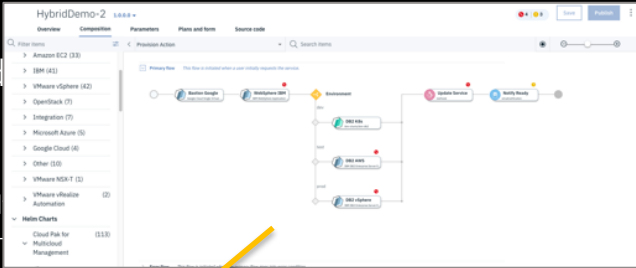
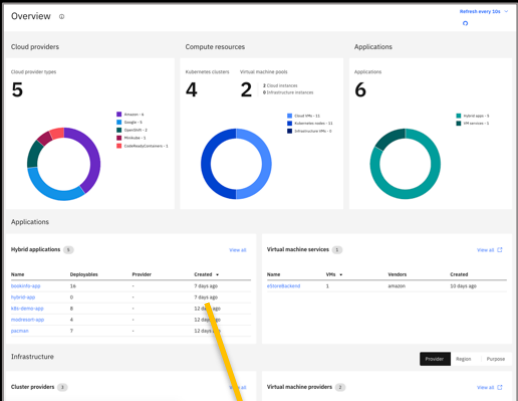
AI Ops Intro

Evolution of the Delivery model

Delivery evolution from infrastructure to full-stack application DevOps pipeline focus



IBM CloudPak for Multicloud Management



Visibility/
Dashboard

Self Service
Capabilities

Hybrid
Application
Model

Day 2
Operations
(APM/Event)

Log Anomaly
Detection

Event
Grouping with
Entity Linking

Partner Products Integration

Sysdig
Advance
Compliance

turbonomic
Application
Resource
Management

Infrastructure
Management

Compliance
Enforcement

Chargeback /
License Mgmt.

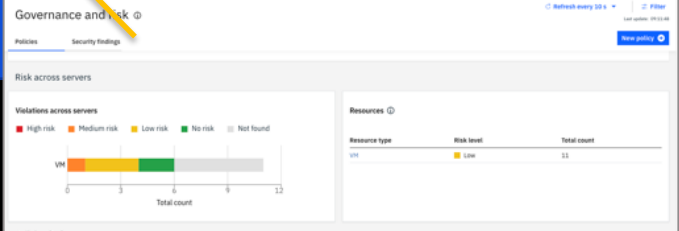
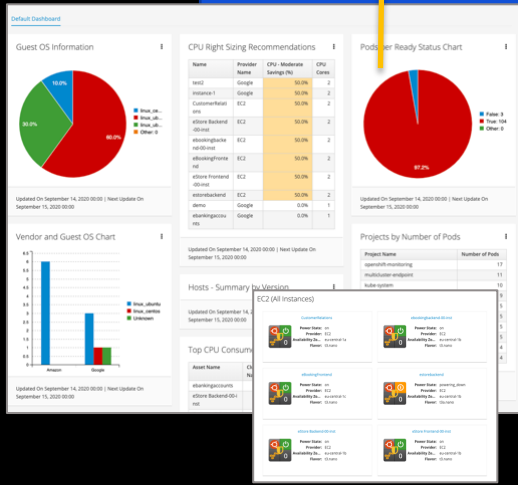
SRE Tooling

Fault

Incident

Humio

hazelcast
Application
acceleration



Chargeback

Report Details

Date Range	VM Name	Provider Name	Owner	Chargeback Rates	Total Cost	CPU Total Cost
09/01/2020	CustomerRelations	EC2		Demo, DemoStorage	\$2.40	\$1.00
09/01/2020	CustomerRelations	EC2		Demo, DemoStorage	\$38.40	\$16.00
09/01/2020	starkindaccounts	Google		Demo, DemoStorage	\$42.79	\$16.00
09/01/2020	elasticsearch-00-inst	EC2		Demo, DemoStorage	\$2.40	\$1.00
09/01/2020	elasticsearch-00-inst	EC2		Demo, DemoStorage	\$38.40	\$16.00
09/01/2020	elasticsearch-00-inst	EC2		Demo, DemoStorage	\$2.40	\$1.00
09/01/2020	elasticsearch-00-inst	EC2		Demo, DemoStorage	\$38.40	\$16.00
09/01/2020	elasticsearch-00-inst	EC2		Demo, DemoStorage	\$2.40	\$1.00
09/01/2020	elasticsearch-00-inst	EC2		Demo, DemoStorage	\$38.40	\$16.00



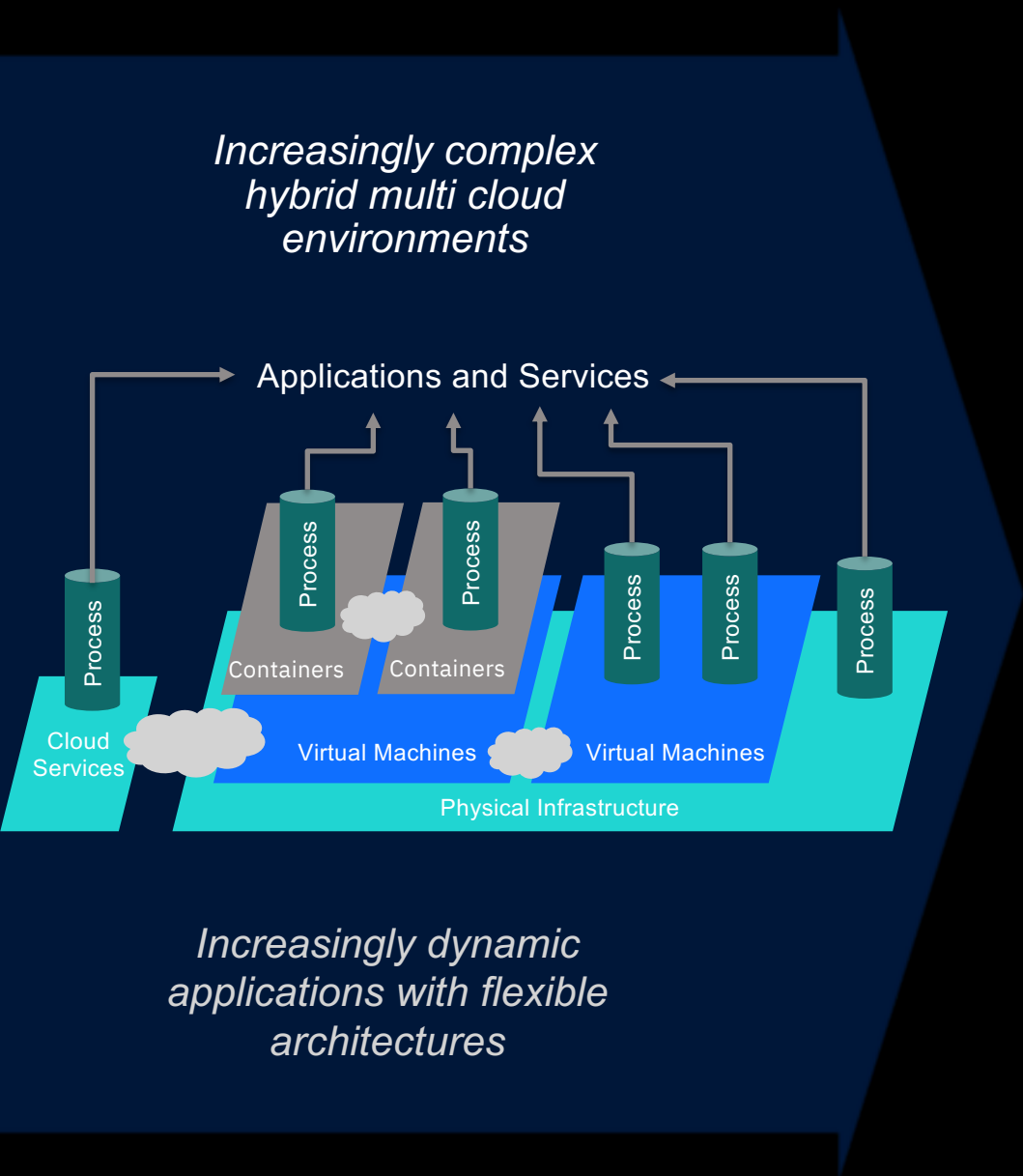
Microsoft
Azure



IBM Z
IBM LinuxOne
IBM Power Systems



Impact on IT Operations: Inundation, Indecision and Delays



Too many alerts



*58% of enterprises have between 6-40 different monitoring tools**

Indecision and confusion



*Level 1 support typically involves 3-4 people for an average of 5-7 person hours **

Long resolution times

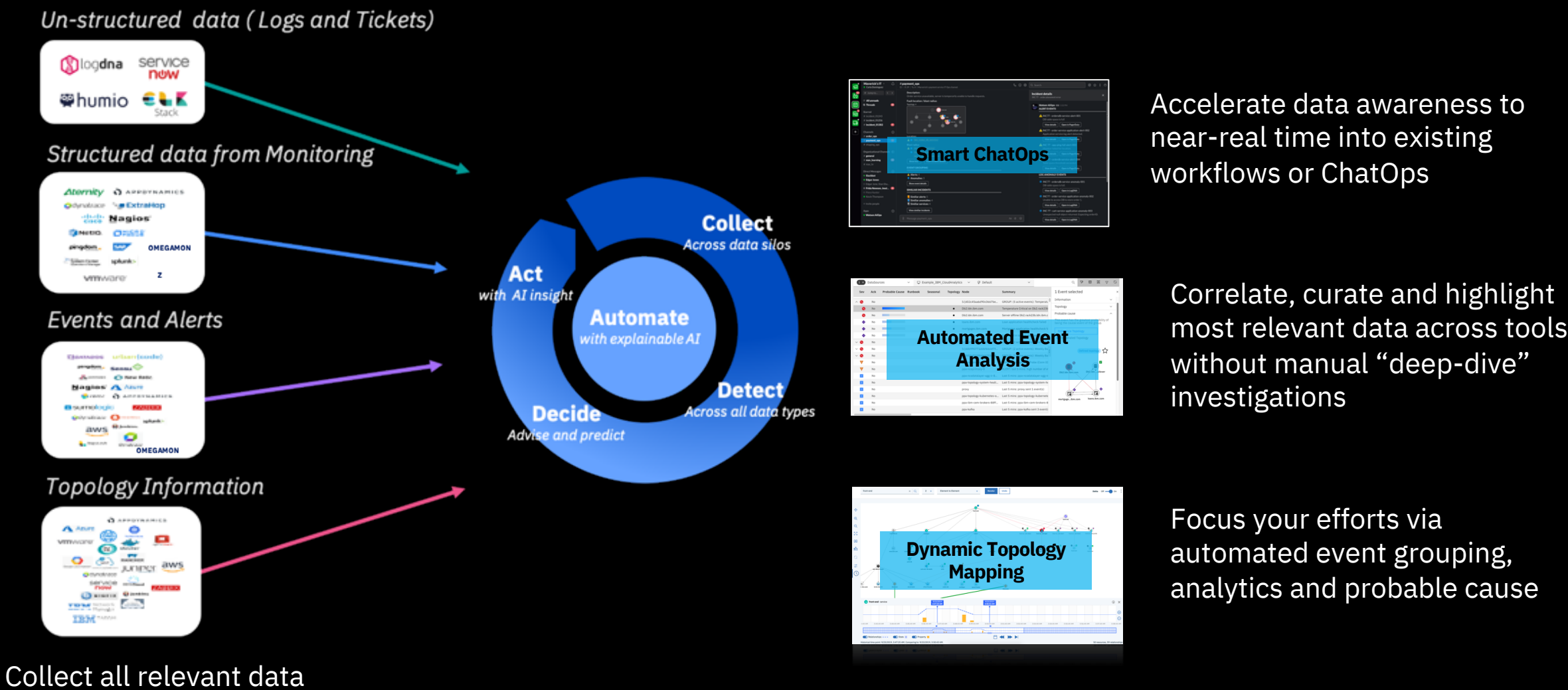


*MTTR for application-related problems is often 3-6 hours **

* Gartner, IDC, IBM Research

IBM Watson AIOps Fuels your AIOps Journey

Deepen your understanding. Operate proactively. Improve via automation.



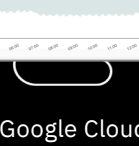
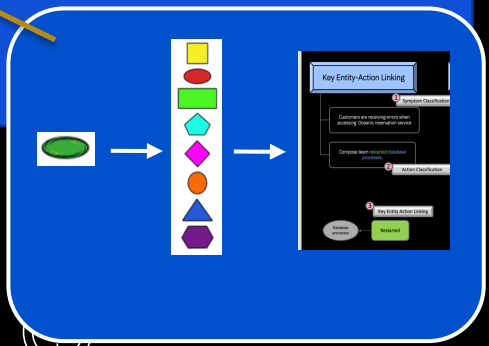
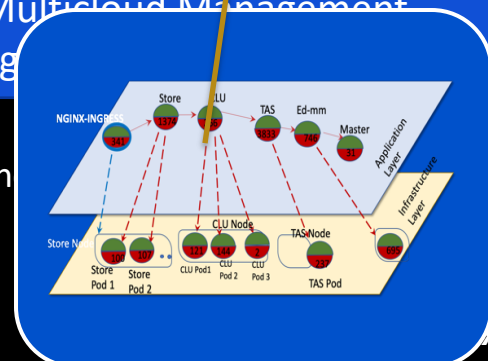
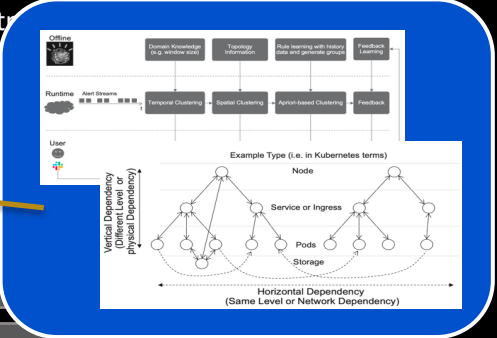
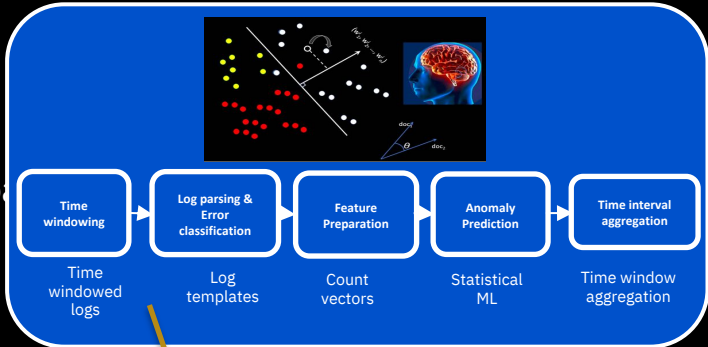
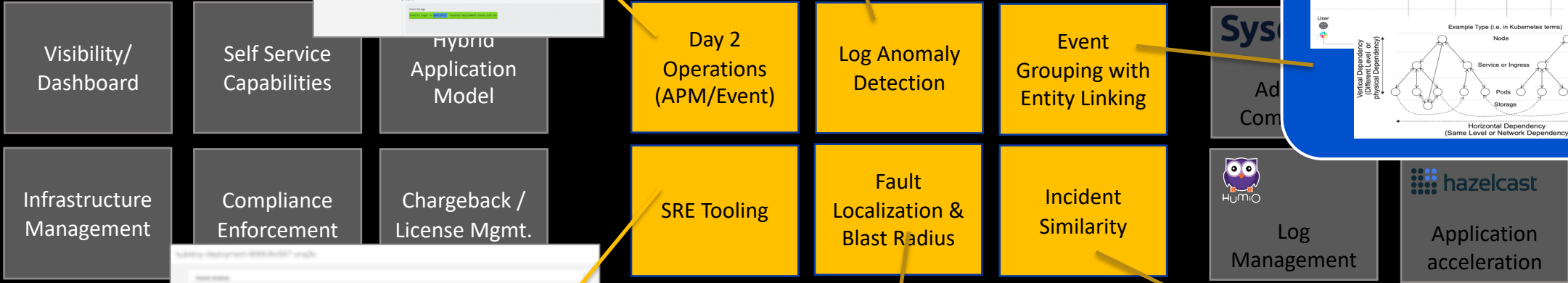
IBM Watson AIOps

The IBM CloudPak for Multi-Cloud Management

a modular approach

Cloud Pak

Part



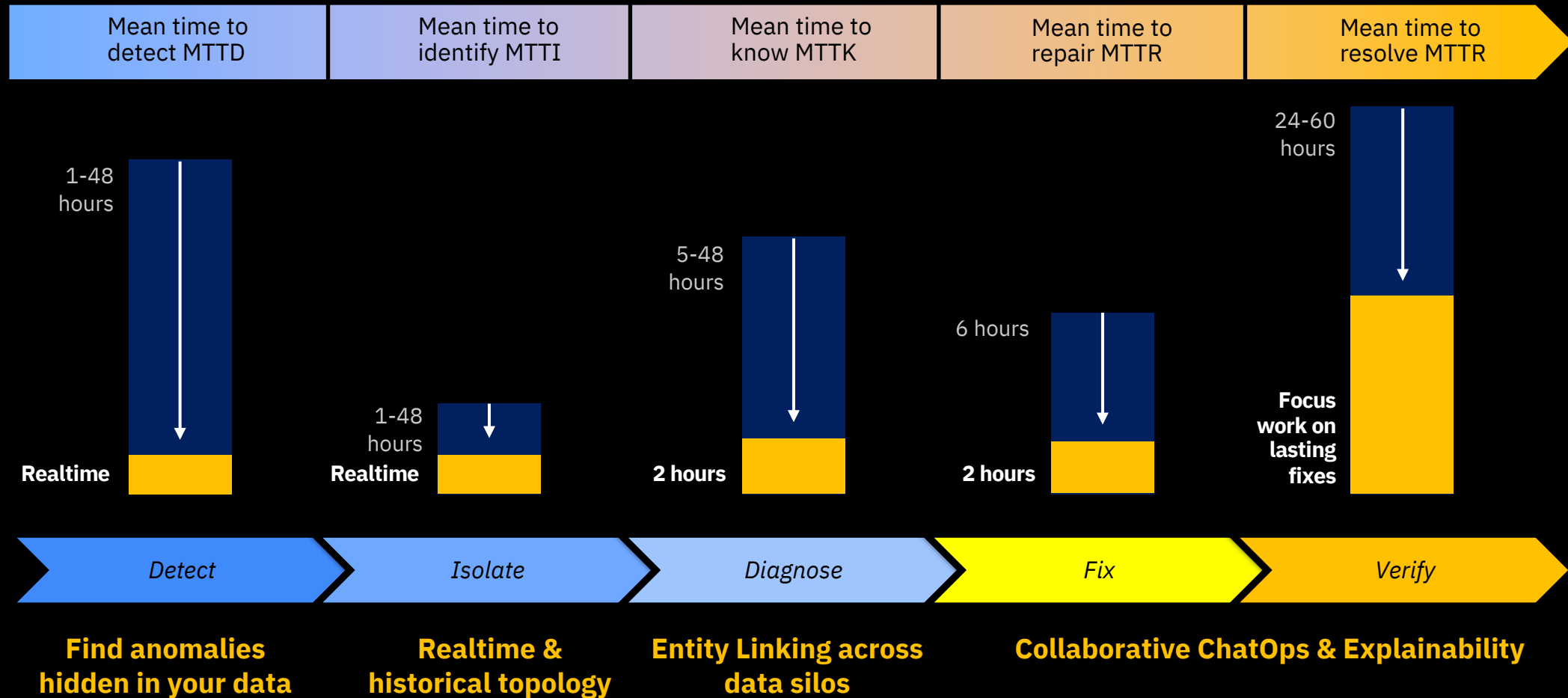
Openstack

IBM Power Systems

End Points

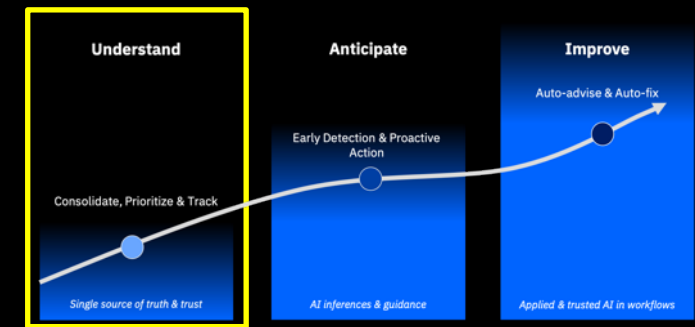
Journey to AIOps

Optimize your tracked metrics & improve response times

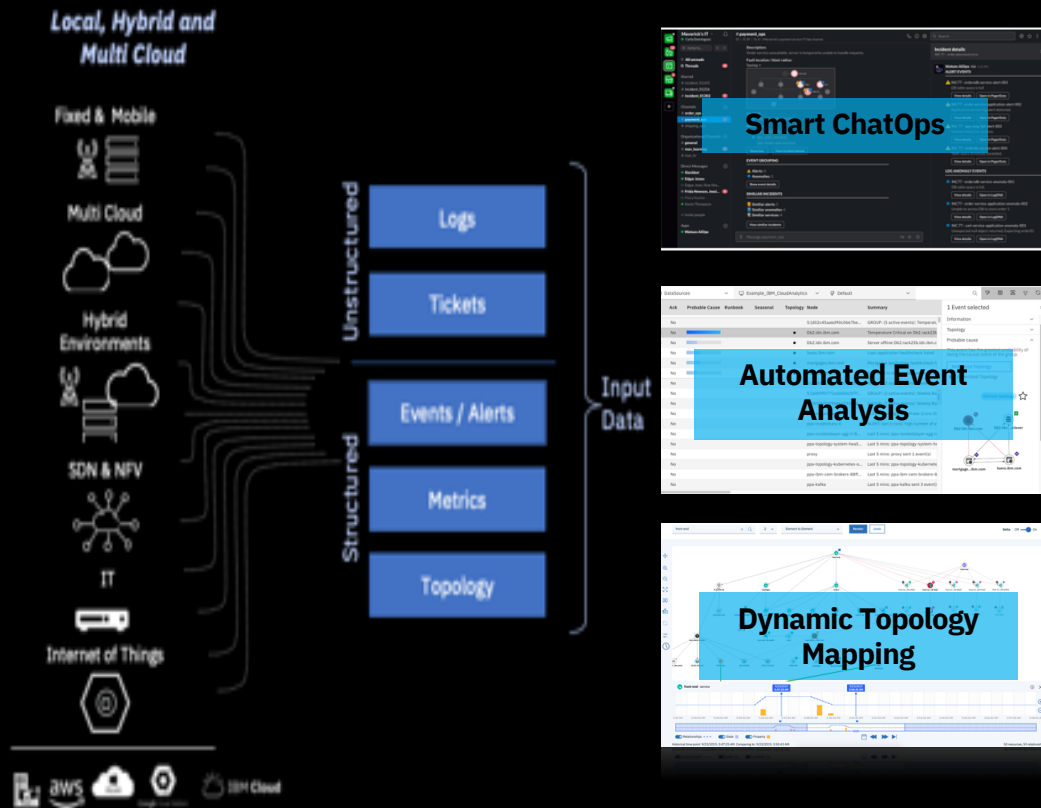


Deepen your understanding

Consolidate, track, react faster and smarter



How IBM empowers deeper understanding:



Most breadth & depth in the market all relevant data across Events, Metrics & Logs

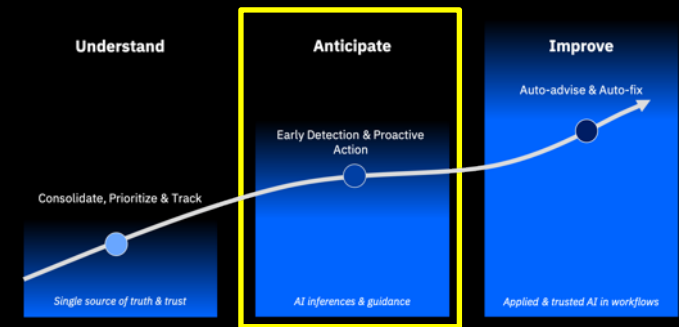
Market-tested consolidation & correlation: curate and highlight relevant data across tools without manual “deep-dive” investigations

Immediate analytics results as data ingested: Focus your efforts via automated event grouping, analytics and probable cause

Accelerate data awareness to near-real time: into existing workflows or ChatOps

Anticipate to operate more proactively

Early detection and proactive action



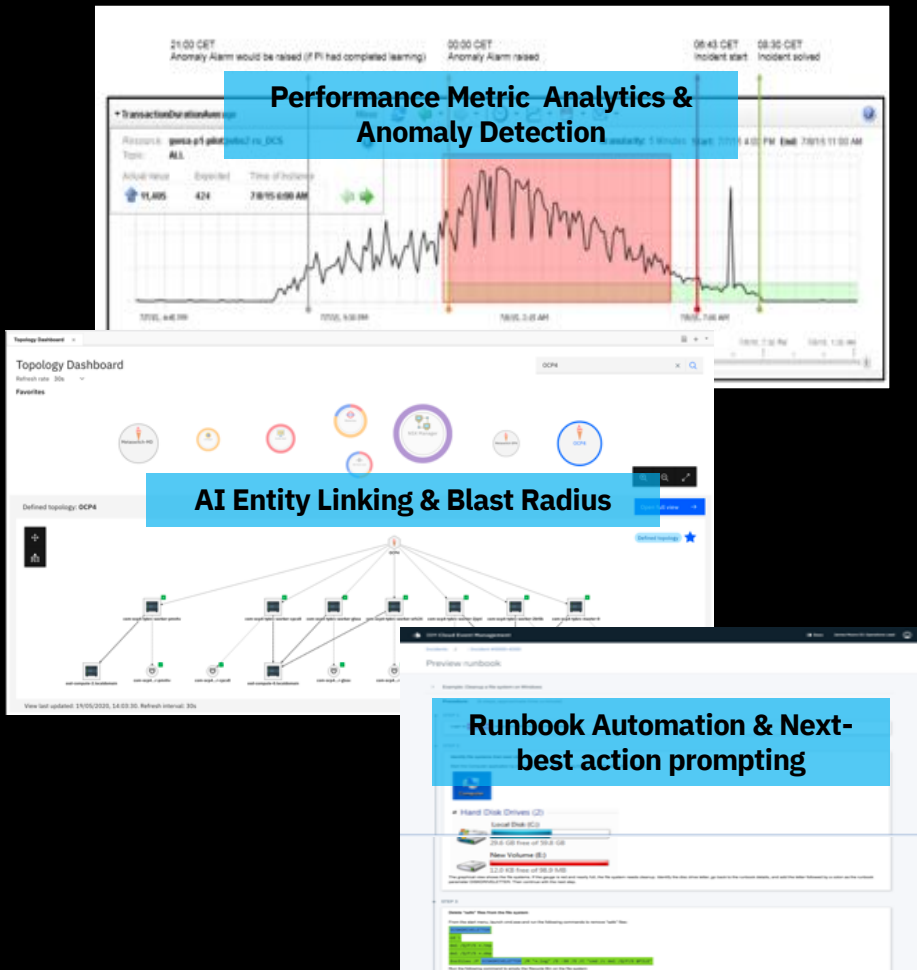
How IBM helps you operate proactively:

Analyze: Draw inferences across data silos via **patented AI entity linking**

Automate & Advise: Identify and locate downstream risks and secondary impacts with **real-time and historical blast-radius, topology mapping**

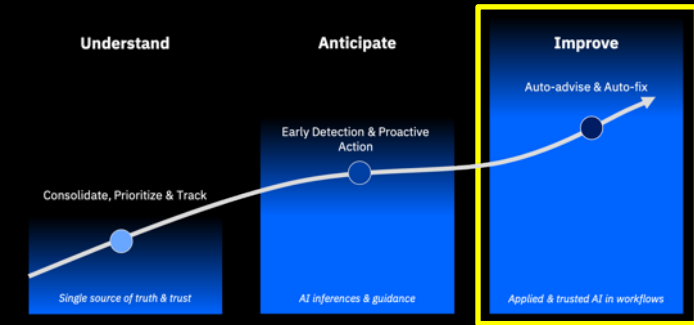
Automate & Predict: Highlight potential performance deterioration with distinctive **metric analysis & anomaly detection**

Automate & Act: Get **recommended action guidance** as events happen via built-in, correlated runbook automation

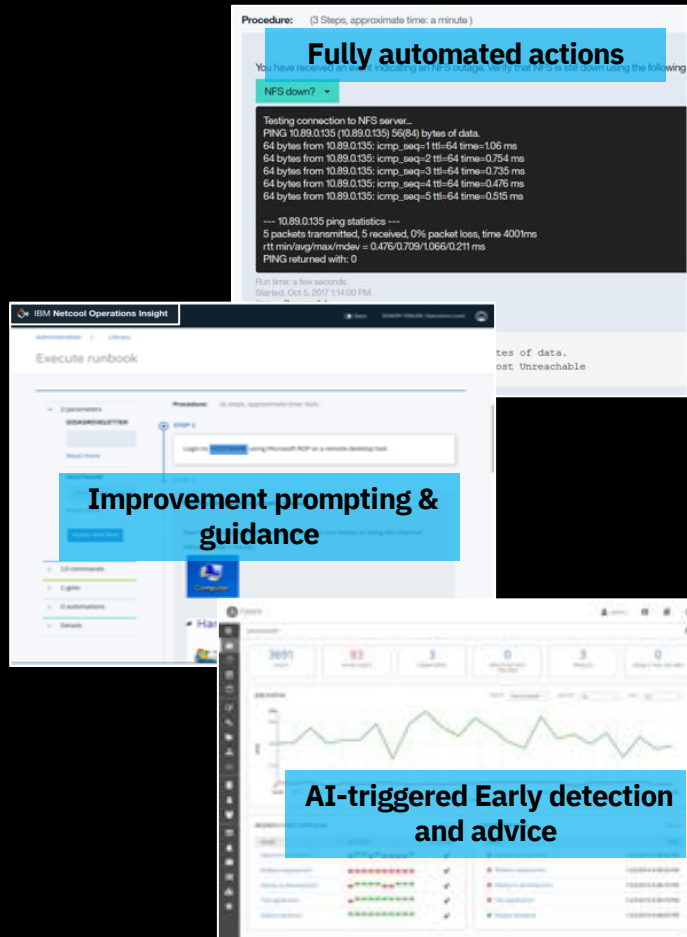


Improve via Auto-advice & Auto-fix

Applied & trusted automation & AI in workflows



How IBM helps you improve Ops efficiency:



Automated advice: learning via **patented AI models** to match high severity incidents with previous successful resolution actions

Advise & predict: Learn from user interactions - **Natural Language Processing** entity extraction methods that go beyond patterns or time-series analysis

Analyze: Purpose-built, auto-populated **AI-based ops analytics** and dashboards that highlight hot spots

Automated Actions: **Fully automated resolution** actions eliminate redundant manual activity and errors