

servicenow

MeriTalk

IT Operations Management

Bridging the gap to deliver mission-aware operations

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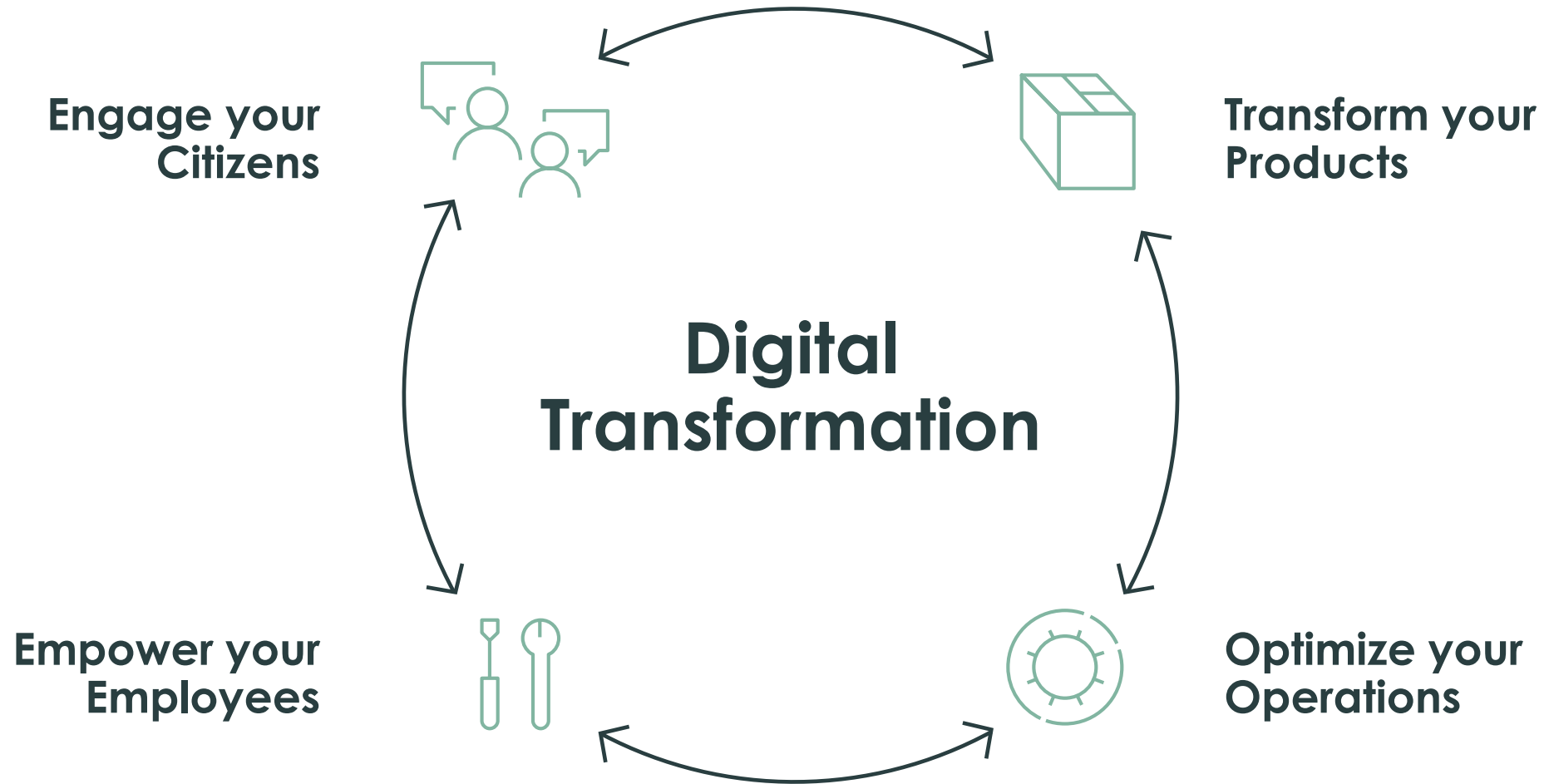
Digital is the main reason just over half of the **companies** on the Fortune 500 have **disappeared** since the year 2000

Pierre Nanterme
CEO of Accenture



Digital Transformation

The foundation for consumer-like services



Trends and drivers

Citizen engagement, data-driven decisions, and mobility

By 2020

30B

devices with unique IP addresses connected to the Internet**

5,200

GBs of data for every person on Earth**

5B+

people, two-thirds of the world's population, using social networks*

40%

of government employees using multiple forms factors*

80%

of people working outside the office*

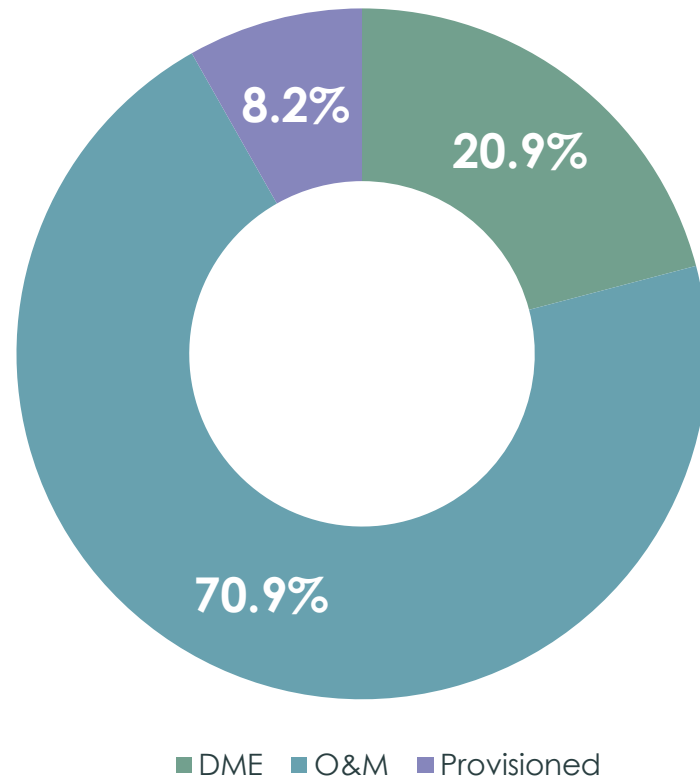
50%

of BDA investment focusing on citizen service, public health, and Smart Cities*

*WSJDigitalNetwork; **EMC Digital Universe with Research & Analysis by IDC

Government challenge innovation

Develop, maintenance, and services spending: Government-wide



This pie chart displays the percent of the government-wide information technology funding spent on the following services:

Non-provisioned DME

Development, modernization, and enhancement spending on non-provisioned services.

Non-provisioned O&M

Operations and maintenance spending on non-provisioned services.

Provisioned Services

Total spending on DME and O&M provisioned services.



Analyze and make mission decisions



Execute mission objectives



Defense mission lifecycle



Acquire intelligence and sensor information



Challenges facing Defense today



Siloed, disparate cloud environments



Lack of agility in deploying new capabilities



Fractured security approaches



Inability to leverage aggregated mission data

Today's Defense Mission demands agility



**Ingest data at scale
from the tactical edge**



Analyze data in real-time



**Deploy new capabilities
and leverage AI to make
decisions rapidly**



**Store data for
future insights**

Digital Transformation

The foundation for consumer-like services



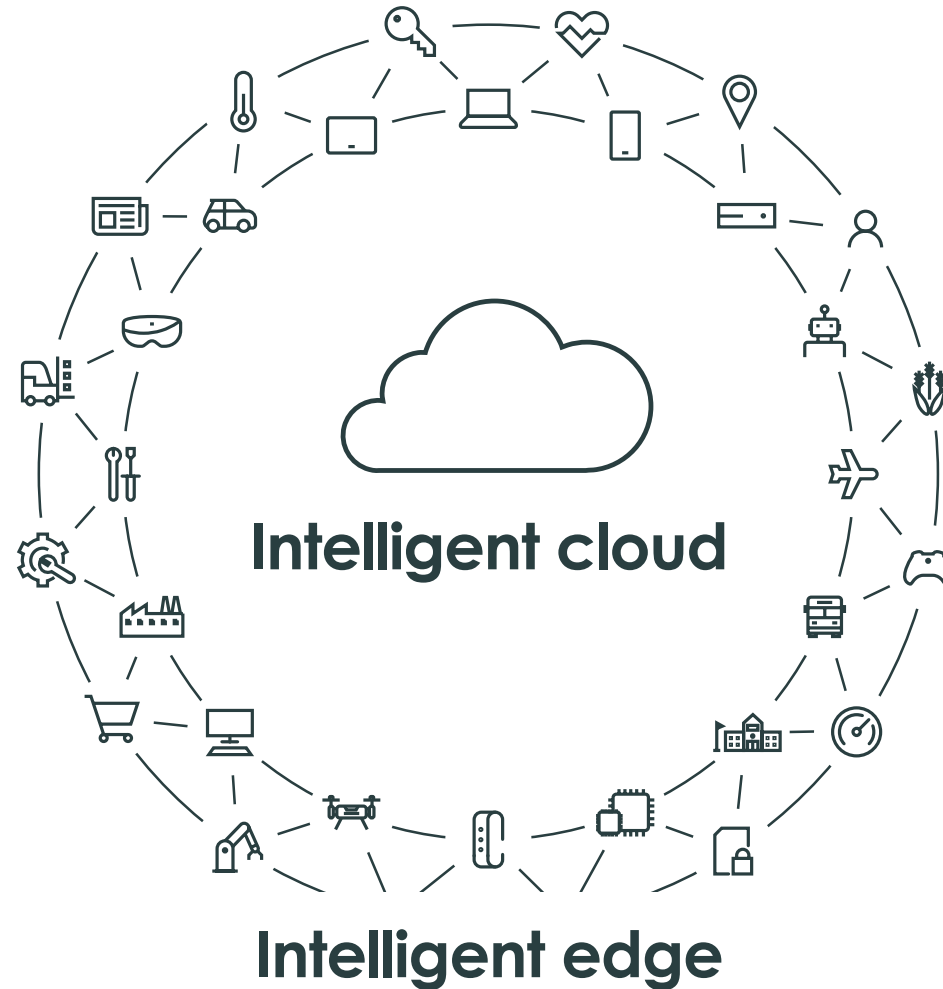
**Multi-device,
Multi-sense**



**Artificial
Intelligence**



Serverless

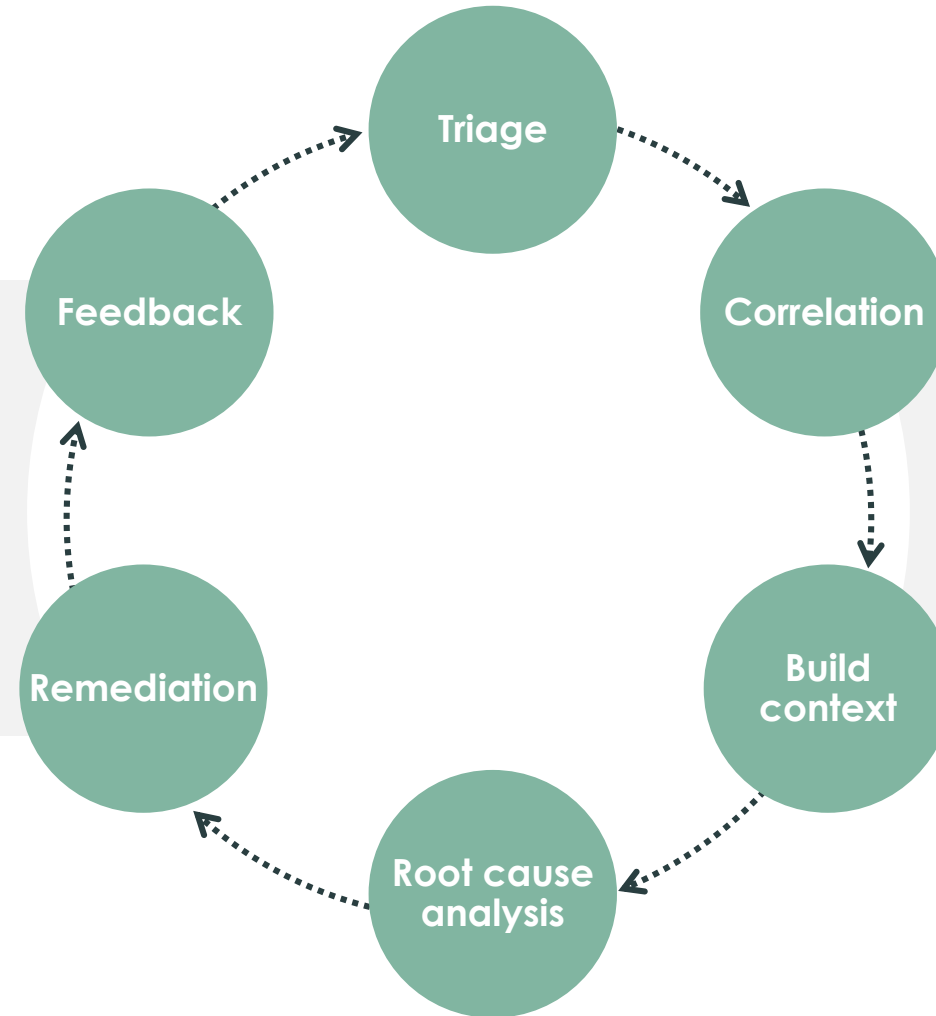


Service degradation and outages hit profits and reputation



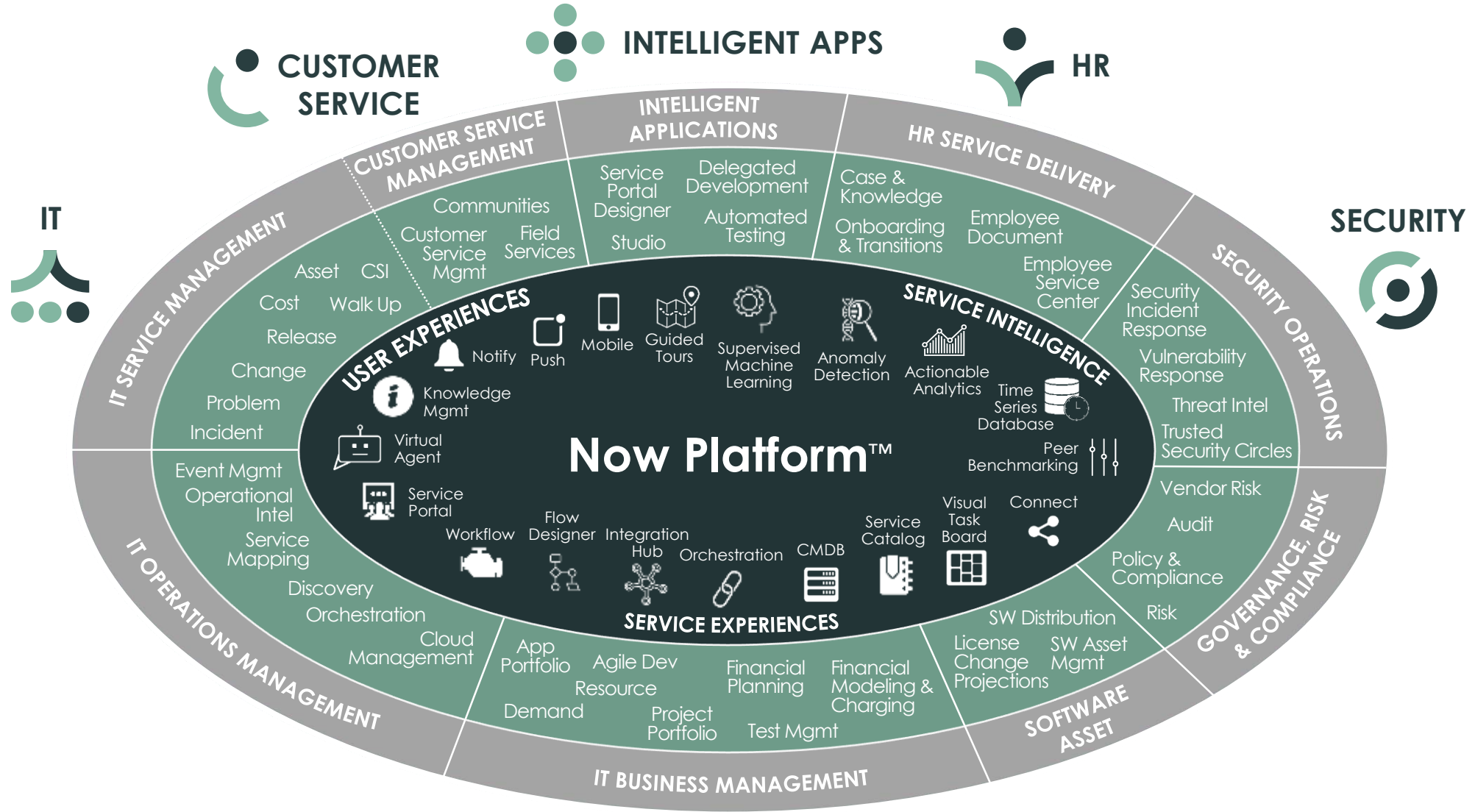


Traditional IT Operations approach



Digital Transformation

The foundation for consumer-like services



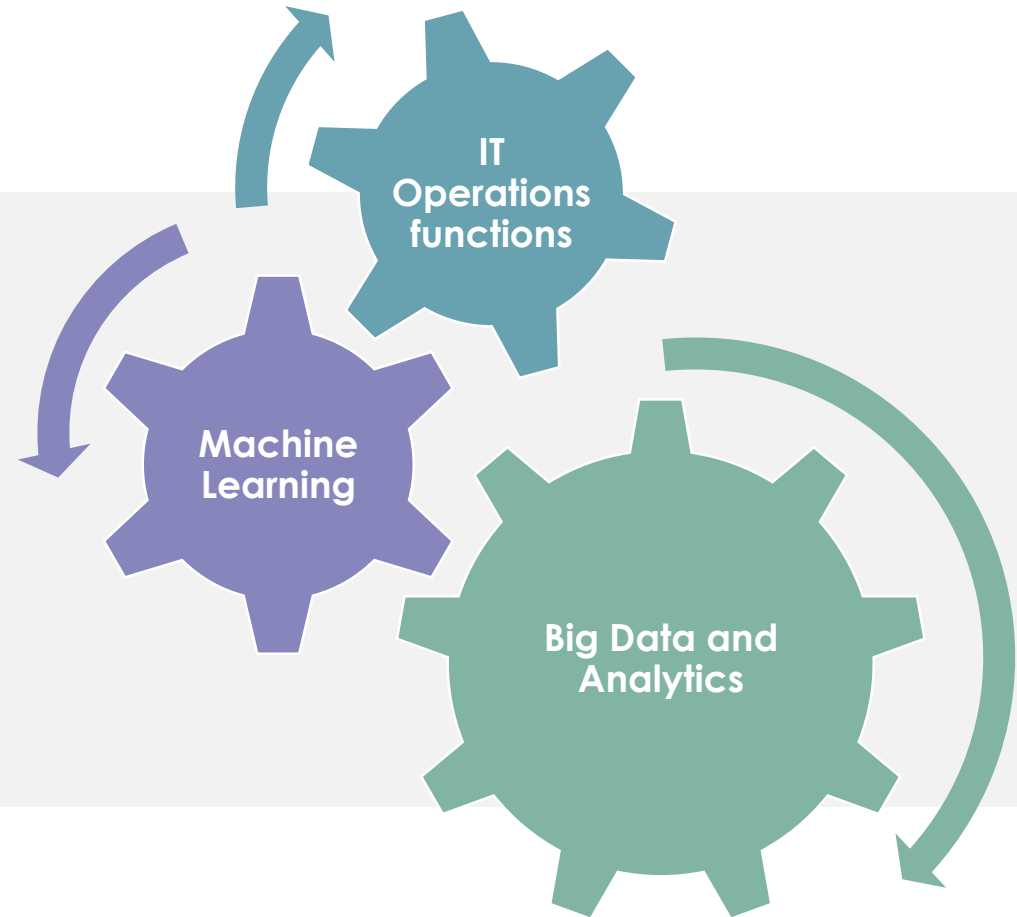
What is AIOps?

Artificial Intelligence for IT Operations

“

AIOps platforms combine big data and machine learning to support IT operations functions.

Gartner



Operational excellence across the enterprise requires consistent service context and one data model

IT Service Management

App Portfolio Management

Service Portfolio Management

Service Catalog

Asset Management

Security Operations

Governance, Risk, Compliance

IT Financial Management



One data model to power all your digital services

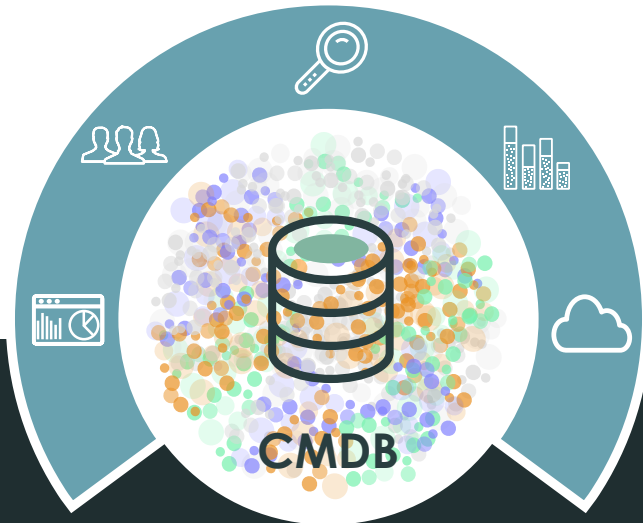


Now Platform

End-to-end solution

For business services deployed on-premises or cloud...

Visibility across operations
estate and all software



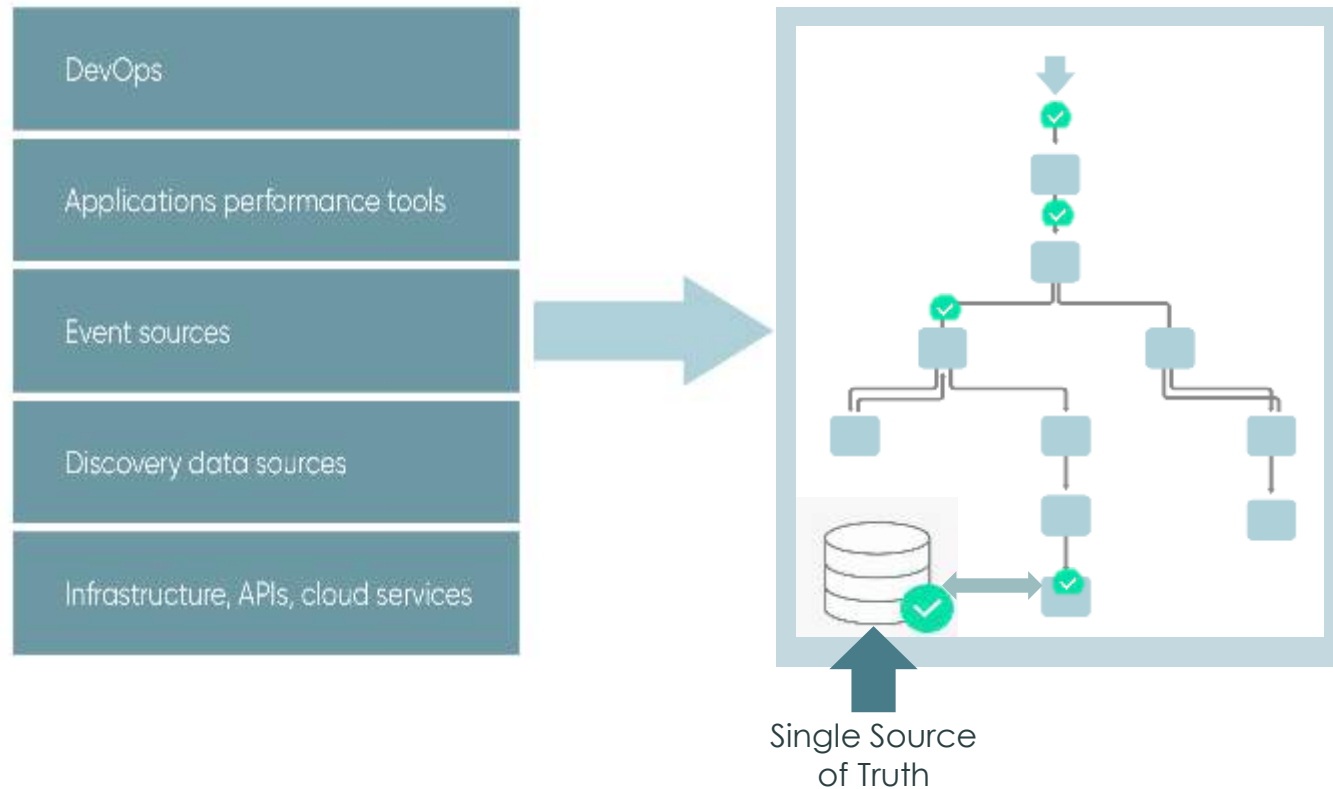
Health of business
services, with AIOps



Optimization of cloud
and software spend



Make operational decisions in the context of your business service



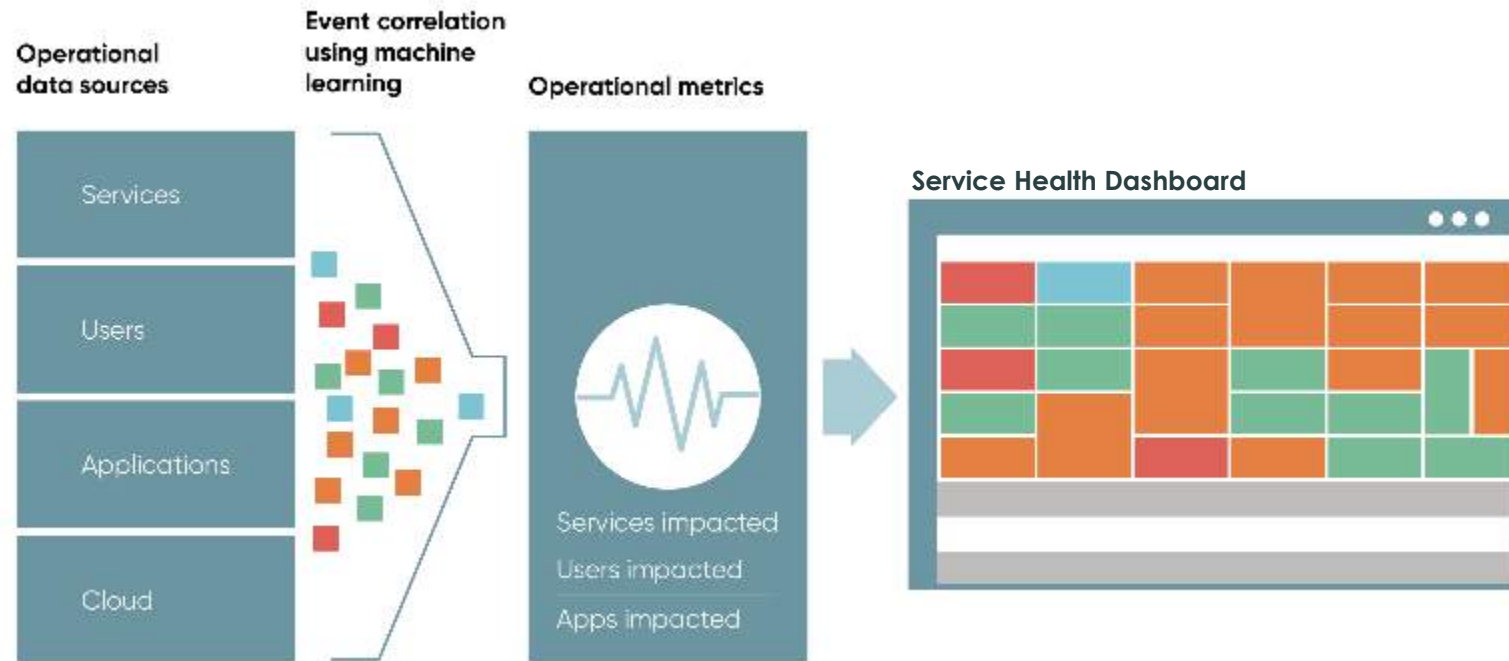
Outcomes

Get continuously optimized view of services

Detect and remediate service drift (e.g., a known change or an unplanned change)

Automatically documents processes with post-incident review

Deliver high-performance business services



Outcomes

Identify early warning of potential service outages

Improve end-user satisfaction with fewer service disruptions

Identify root cause of issues quickly. Reduce event noise by 99%

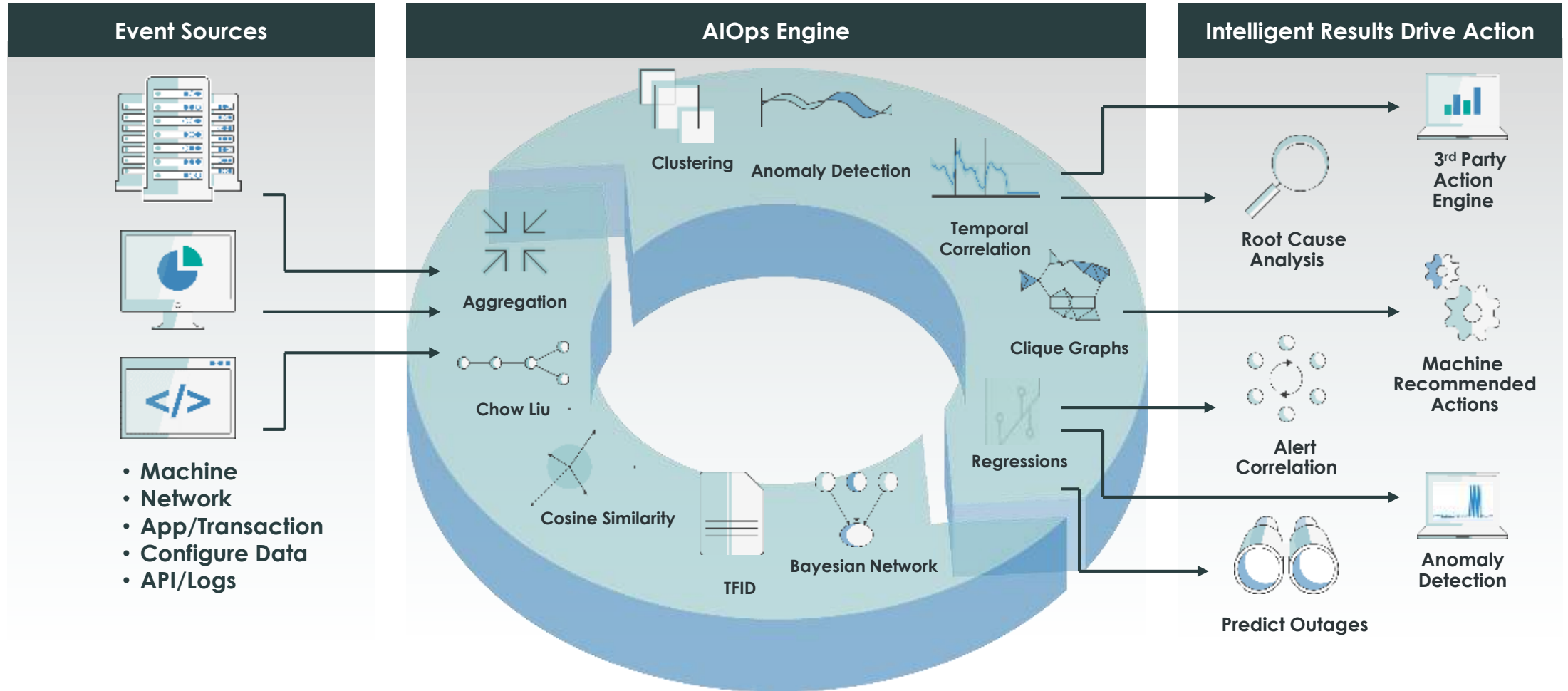
Get a better operations experience driven by service-level intelligence

“

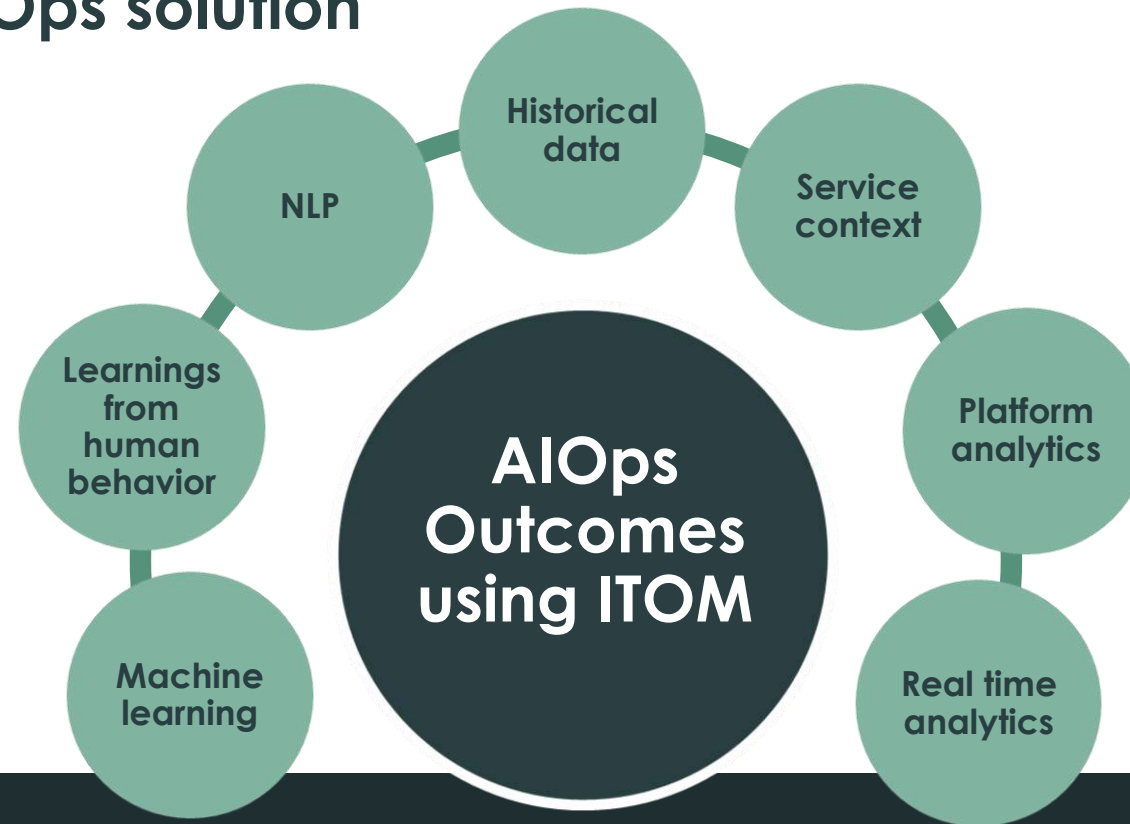
We are proactive and have reduced the number of high-impact incidents.

Time Warner

AI Ops methods and applications

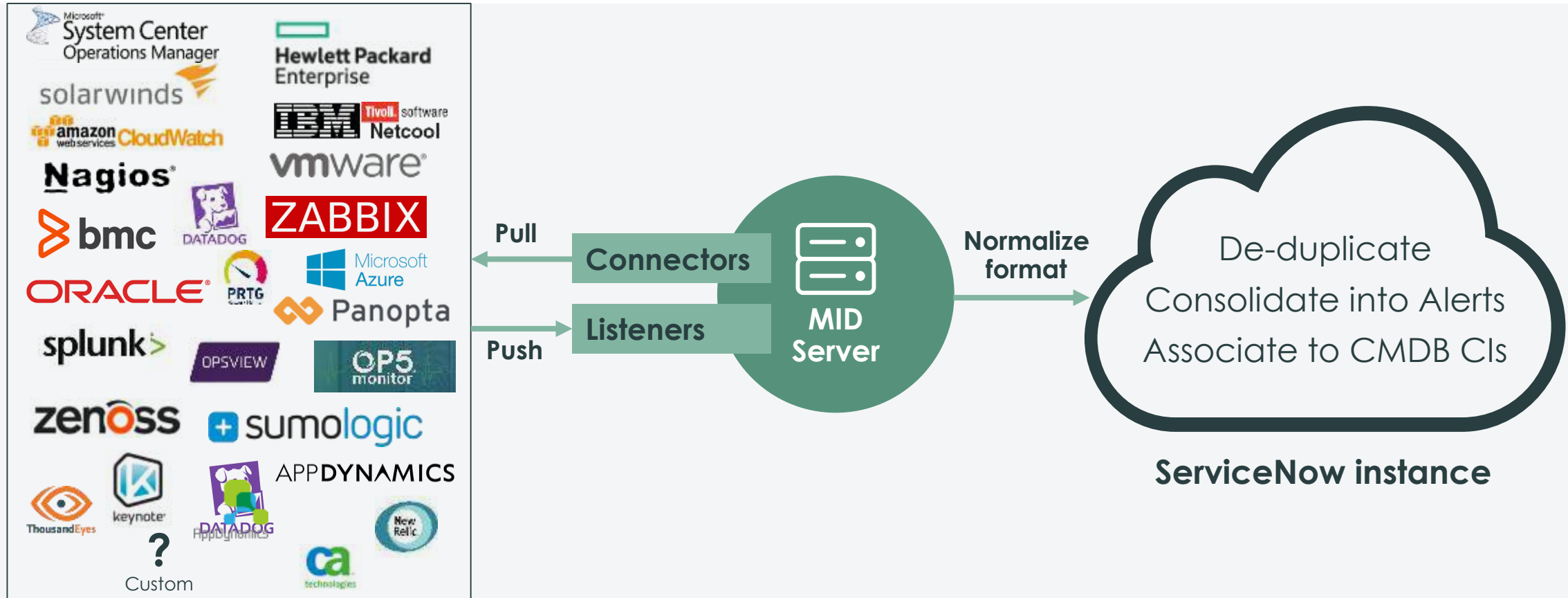


Comprehensive AIOps solution



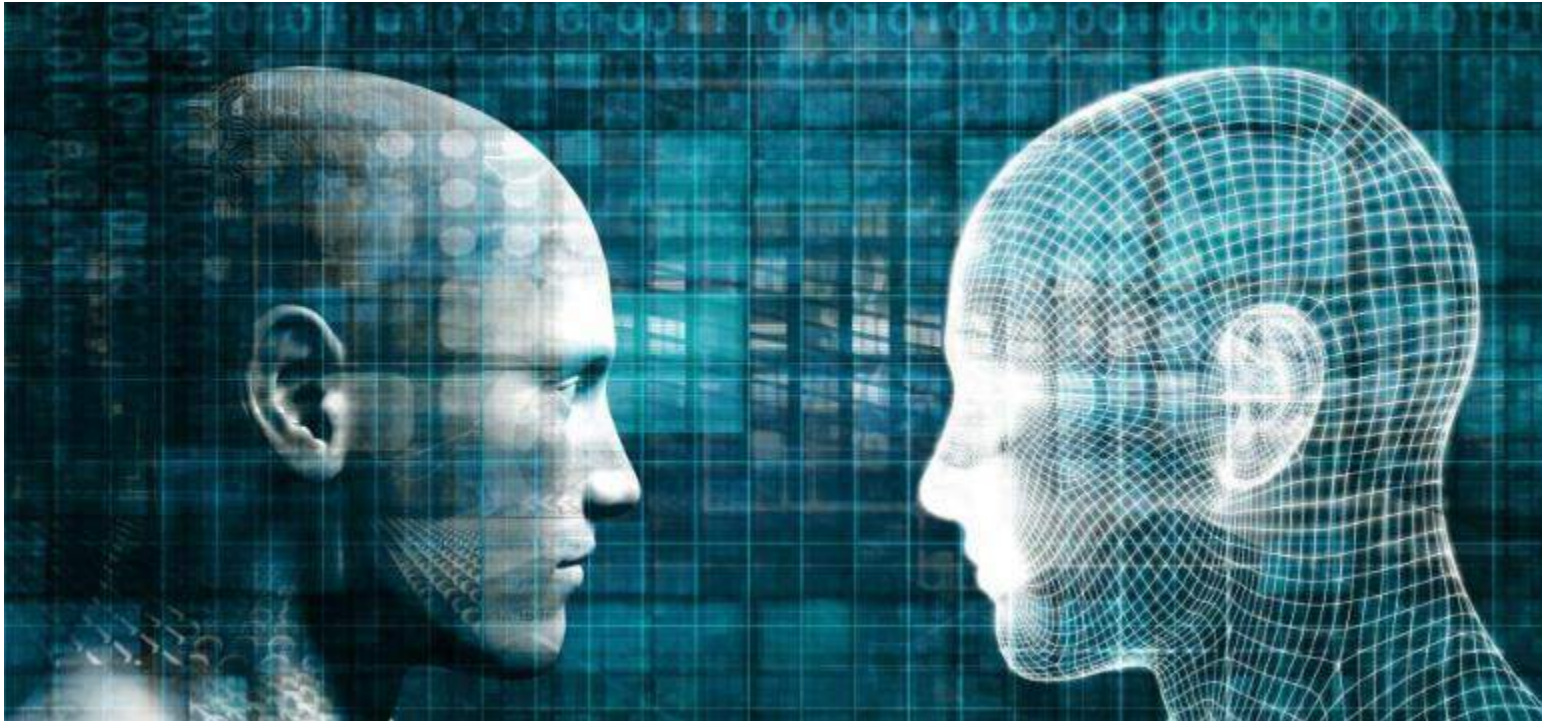
Better experiences using guided flows, intuitive interfaces, one console

Ingest event signals





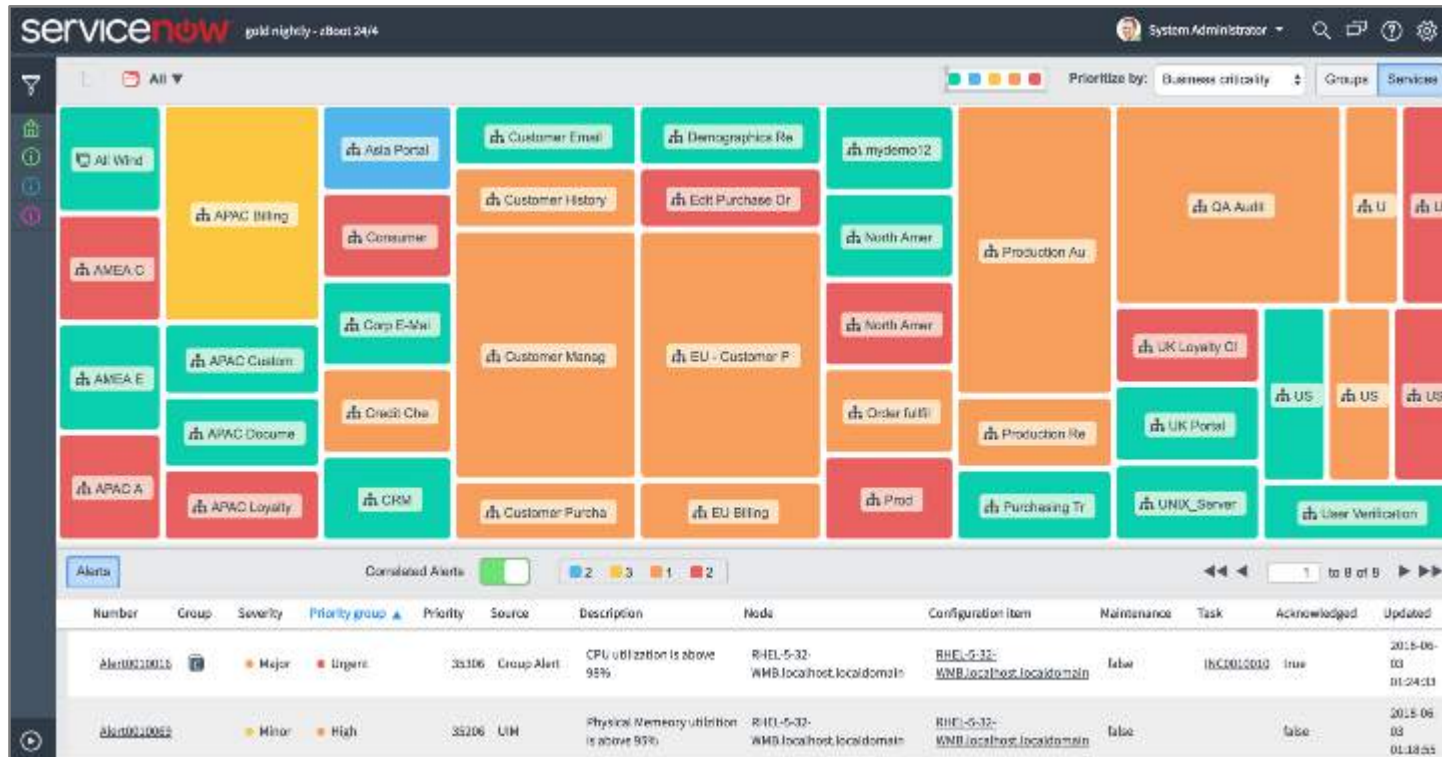
Correlate alerts using machine learning



- Human-defined correlation
- Semi-supervised learning
- Temporal analysis
- Topological analysis

Prioritize by business impact

Quickly determine at-risk business services



IT Operations Management—Event Management

Outcomes

Increases insight to the status of business services through a single dashboard

Drive service uptime

Diagnoses and pinpoints issues

80%

Reduction in outages
TransAlta

Deliver superior outcomes through AIOps with service-context

Now on Now

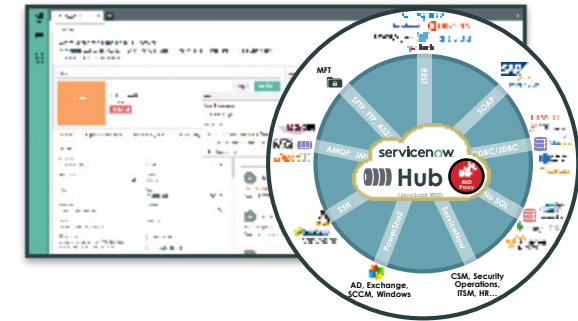
98%* reduction in event noise

67%* reduction in P1 and P2 incidents

TransAlta

50–80%* reduction in outages and service degradation

Accelerated remediation



Real-time analytics

Historical data

Service context

Learnings from human behavior

Natural Language Processing

Better experiences using guided flows, intuitive interfaces, one console

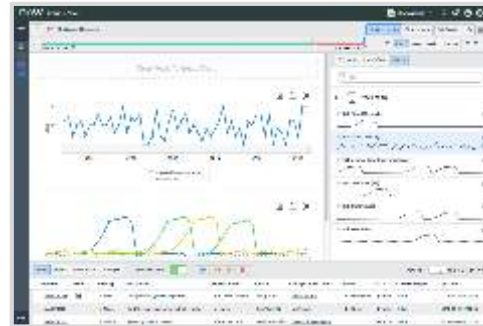
*Statistic reflects experience of selected ServiceNow customer(s)
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AI Ops outcomes: Examples

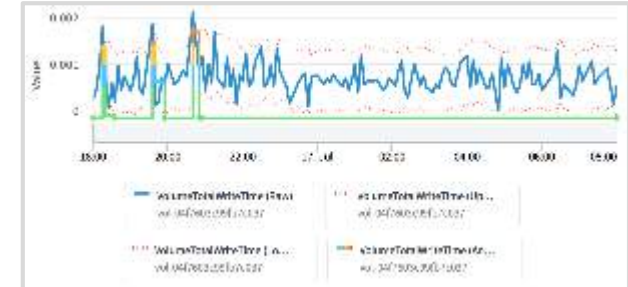
Materially reduce MTR



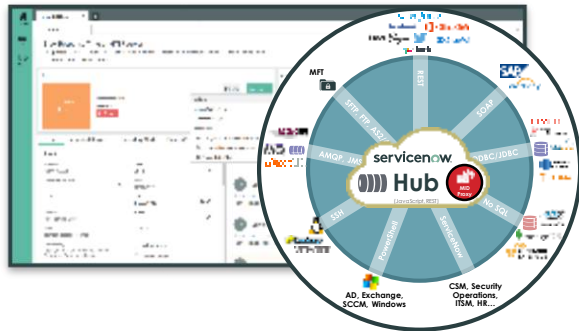
Fix widespread performance issues



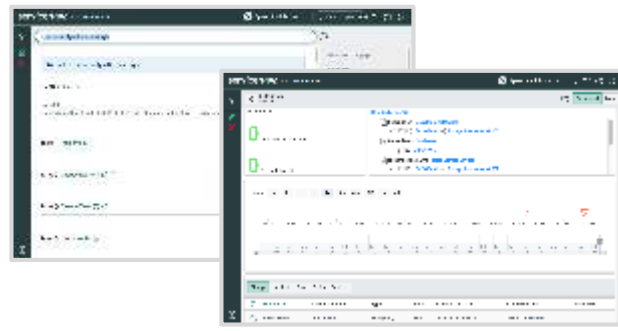
Anomaly detection



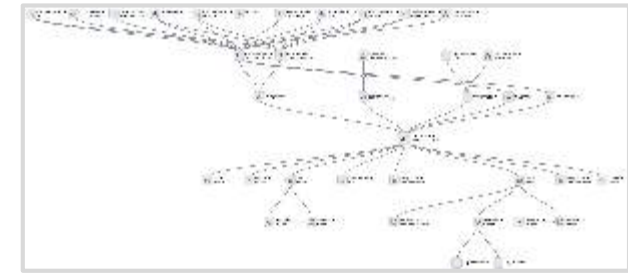
Automated remediation



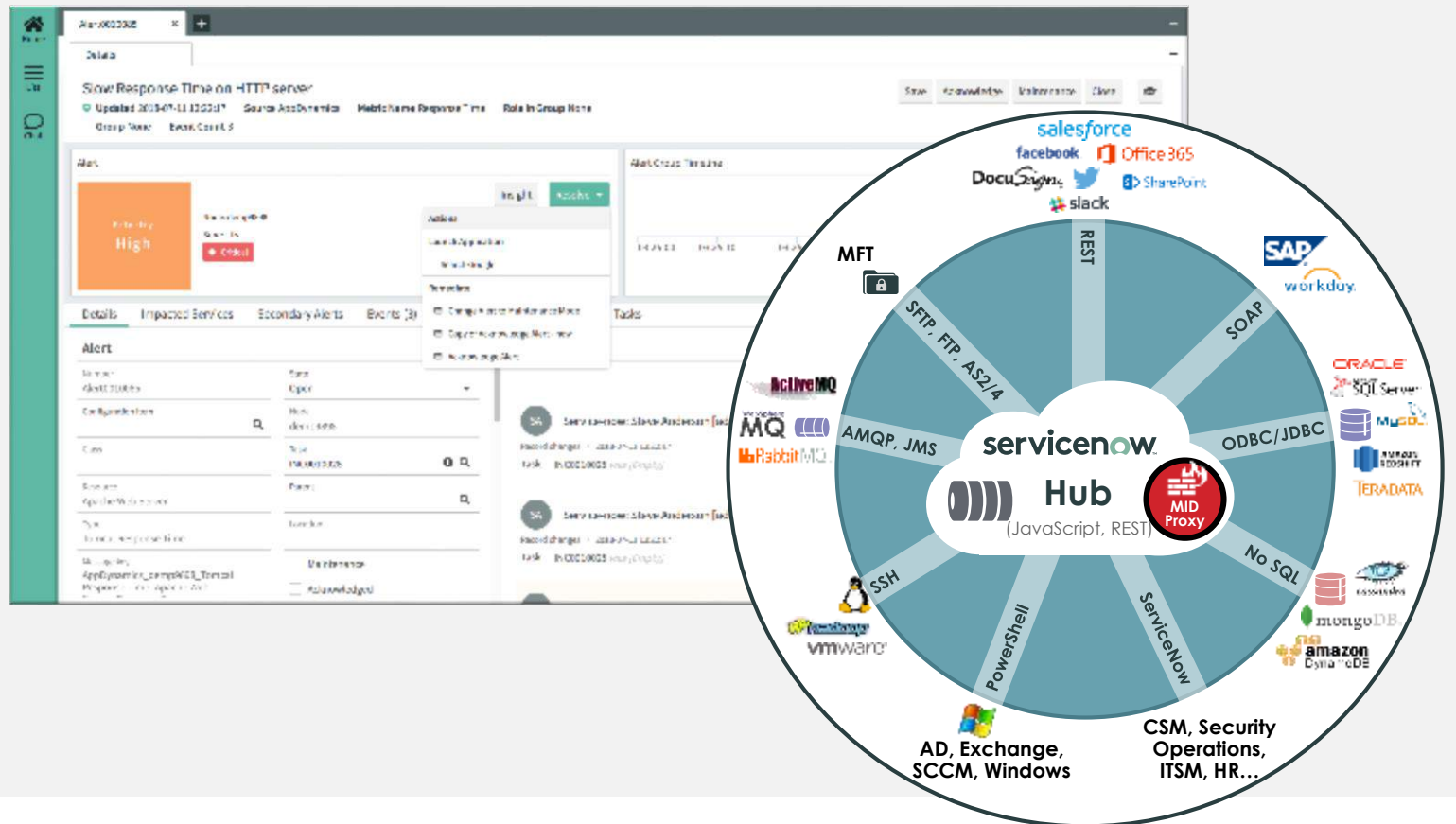
NPL driven smart searches



Reduced noise in network dependencies



Remediate via automation



- Leverages ServiceNow platform Flow Designer and IntegrationHub to drive actions within and outside of ServiceNow
 - Gather further details, e.g., configuration, process info
 - Open/close Incident records
 - Restart/reset components
- Based on alert criteria, system can automatically initiate actions
- Relevant actions presented to Operator to initiate manually and observe results

Top takeaways

1

Digital transformation necessitates more scale, including management scale.

2

AIOps amplifies human operational capacity to address that demand.

3

AIOps can reduce noise, prioritize what matters, speed root cause analysis and drive remediation.

Planetary scale

- 54 Azure regions
- 27k miles of undersea fiber
- 78k miles of inner-city fiber
- 4500+ Peering locations
- 150+ Edge sites



Trust in the cloud

US Gov



Moderate
JAB P-ATO



High
JAB P-ATO



DoD DISA
SRG Level 2



DoD DISA
SRG Level 4



DoD DISA
SRG Level 5



SP 800-171



FIPS 140-2



Section 508 VPAT



ITAR



CJIS



IRS 1075

Global



ISO 27001



ISO 27018



ISO 27017



ISO 22301



SOC 1 Type 2



SOC 2 Type 2



SOC 3



CSA STAR
Self-Assessment



CSA STAR
Certification



CSA STAR
Attestation

Regional



Argentina
PDPA



EU
Model
Clauses



UK
G-Cloud



China
DJCP



China
GB 18030



China
TRUCS



Singapore
MTCs



Australia
IRAP/CCSL



New
Zealand
GCIO



Japan My
Number Act



ENISA
IAF



Japan CS
Mark Gold



Spain
ENS



Spain
DPA



India
MeitY



Canada
Privacy Laws



Privacy
Shield



Germany IT
Grundschutz
workbook

Industry



PCI DSS
Level 1



CDSA



MPAA



FACT UK



Shared
Assessments



FISC Japan



HIPAA/
HITECH Act



HITRUST



GxP
21 CFR Part 11



MARS-E



IG Toolkit UK



FERPA

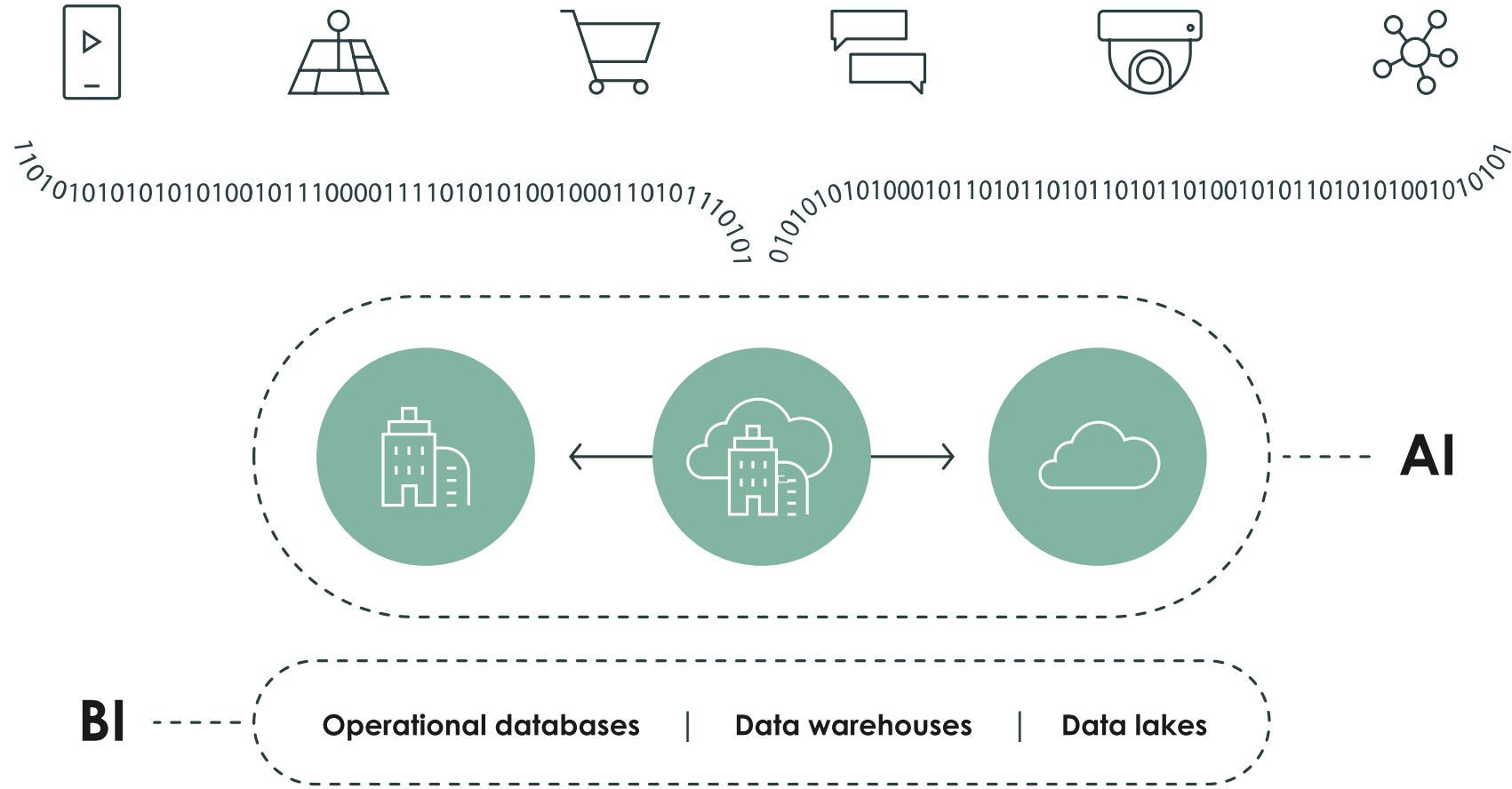


GLBA



FFIEC

The modern data estate





Applications and infrastructure

Data and AI

Private versus public cloud



Distributed hybrid cloud

Virtualization



Microservices and containers

Disparate databases



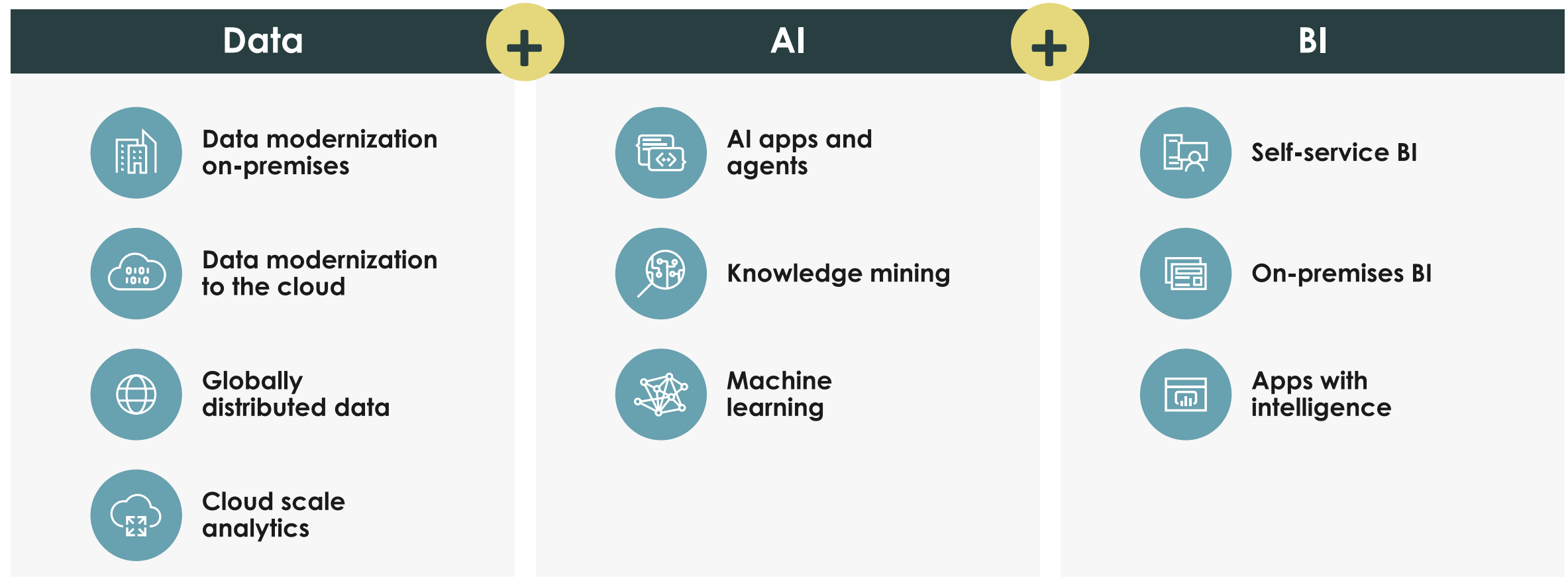
Connected data estate

Big data and machine learning

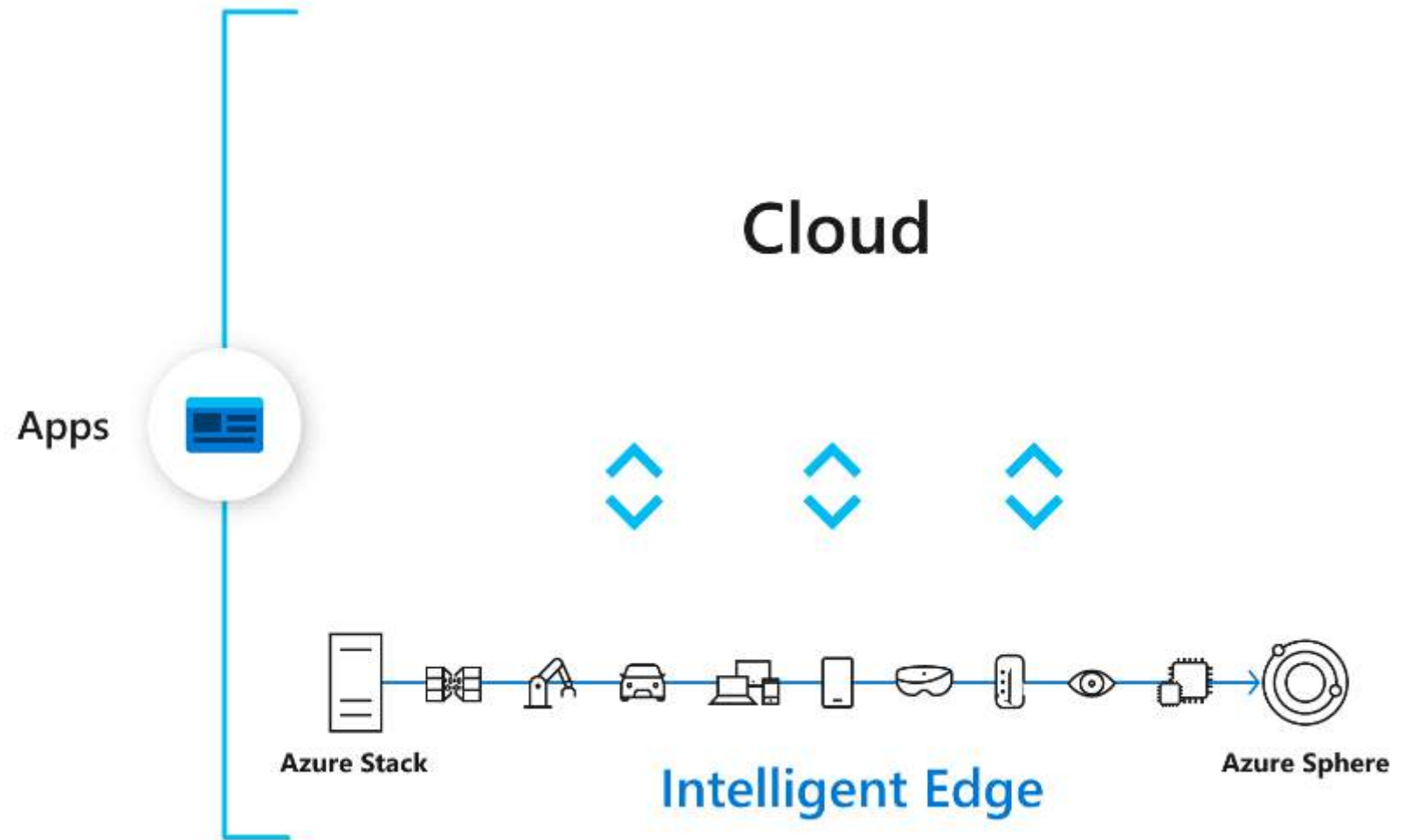


Cognitive Services and AI

Leveraging Data and AI



Common Identify
Data Platform
Management + Security
Unified Cloud Platform



servicenow™



**ServiceNow & Microsoft
working together via the
Azure Marketplace**



**Accelerate digital
transformation, securely
modernize services**



**Meets FedRAMP
High and DoD Impact
Level 5 standards**