Performance Partner

Microsoft
Partner

Gold Cloud Platform
Silver Security
Silver Application Development
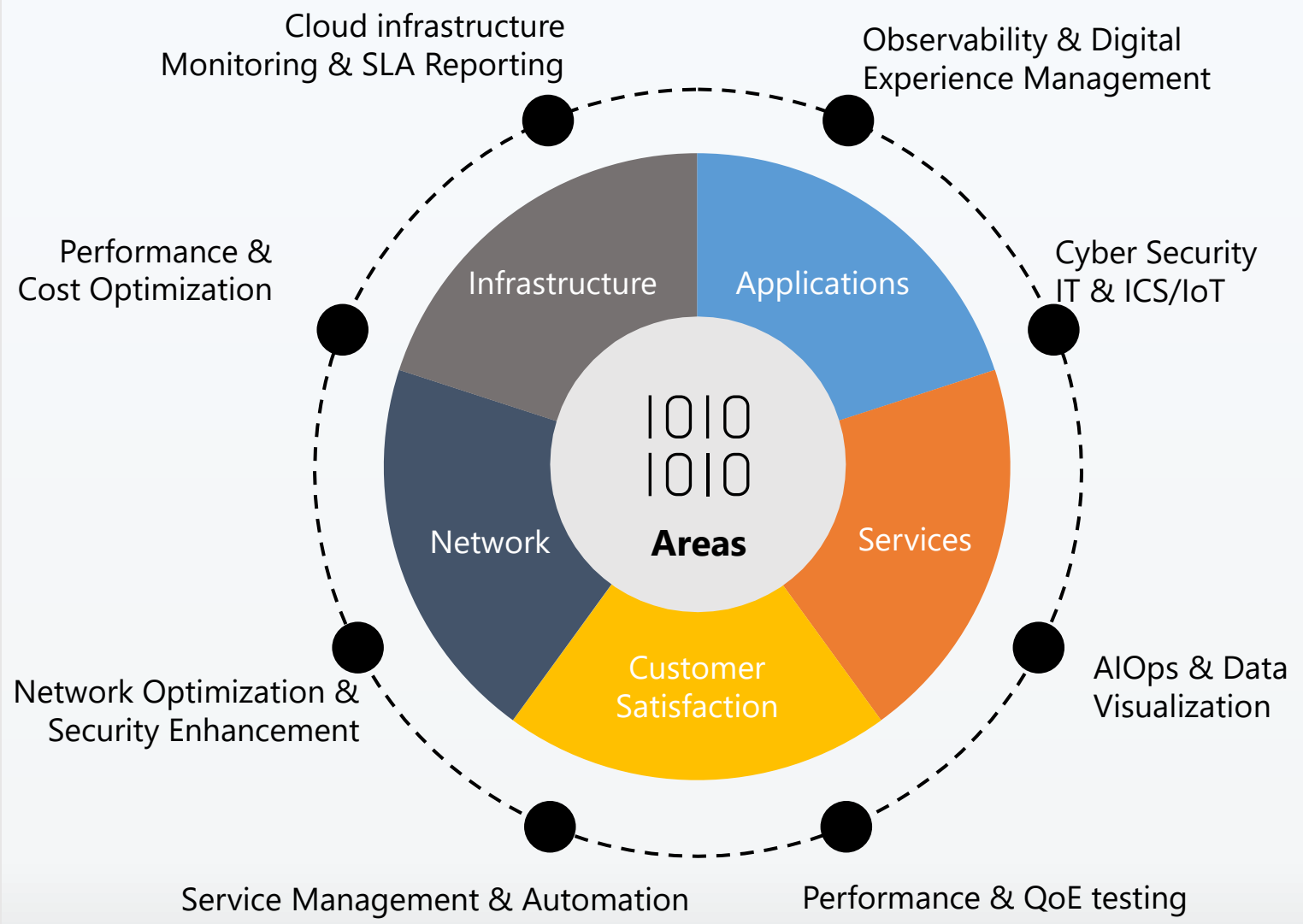
Microsoft

May 2022

Building on Cloud Computing as the New Normal (*)

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By 2025, 85% of organizations will run containers in production, up from less than 30% in 2020.

By 2023, 70% of mainstream organizations will use a composability metric to select new cloud applications and platform services.

Enterprise infrastructures continue to evolve — more cloud, more devices attaching to the network and more requirements at the edge. Infrastructure and operations (I&O) leaders responsible for cloud and edge infrastructure must be innovative with network security, workload deployments and infrastructure extended to the edge.

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By 2025, 50% of large enterprises will enable transformational business models using "distributed cloud" services at a location of their choice.

By 2025, 85% of enterprises will have a cloud-first principle

By 2025, the proportion of current enterprise applications that are containerized will rise to 15%, up from 5% in 2020.

(*) Gartner : 2021 - Over 100 Data and Analytics Predictions Through 2025 ID : G00744238

Cloud and Edge Infrastructure (*)

By 2023, 40% of all enterprise workloads will be deployed in cloud infrastructure and platform services, up from 20% in 2020.

Cloud-native applications introduce visibility gaps, creating monitoring and management challenges. I&O leaders who are not equipped to leverage machine learning (ML) and AI technologies to understand relationships and performance of distributed systems put their digital business transformation initiatives at risk.

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Through 2023, enterprises that isolate/segment their campus network devices will experience 25% fewer successful cyberattacks.

By year-end 2023, 20% of installed edge computing platforms will be delivered and managed by hyperscale cloud providers, compared to less than 1% in 2020.

(*) Gartner : 2021 - Over 100 Data and Analytics Predictions Through 2025
ID : G00744238

Infrastructure Operations and Cloud Management (*)

Through 2022, 80% of organizations adopting cloud services without using a performance-focused approach for dependency mapping will experience a decrease in service quality levels.

By 2024, 75% of organizations monitoring IaaS/PaaS environments will consume metrics via cloud providers' APIs.

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By 2023, 40% of product and platform teams will use AIOps for automated change risk analysis in DevOps pipelines, reducing unplanned downtime by 20%.

By 2025, 70% of new cloud-native application monitoring will use open-source instrumentation instead of vendor-specific agents for improved interoperability.

Through 2024, enhancements in digital workplace infrastructure processes driven by analytics and automatic remediation capabilities will refocus 30% of IT operations efforts, from support to continuous engineering.

Why ADAPTERA

ADAPTERA provides a best of breed mix of integrated visibility, performance optimization and advanced security solutions for supporting our customers' digital transformation journey.
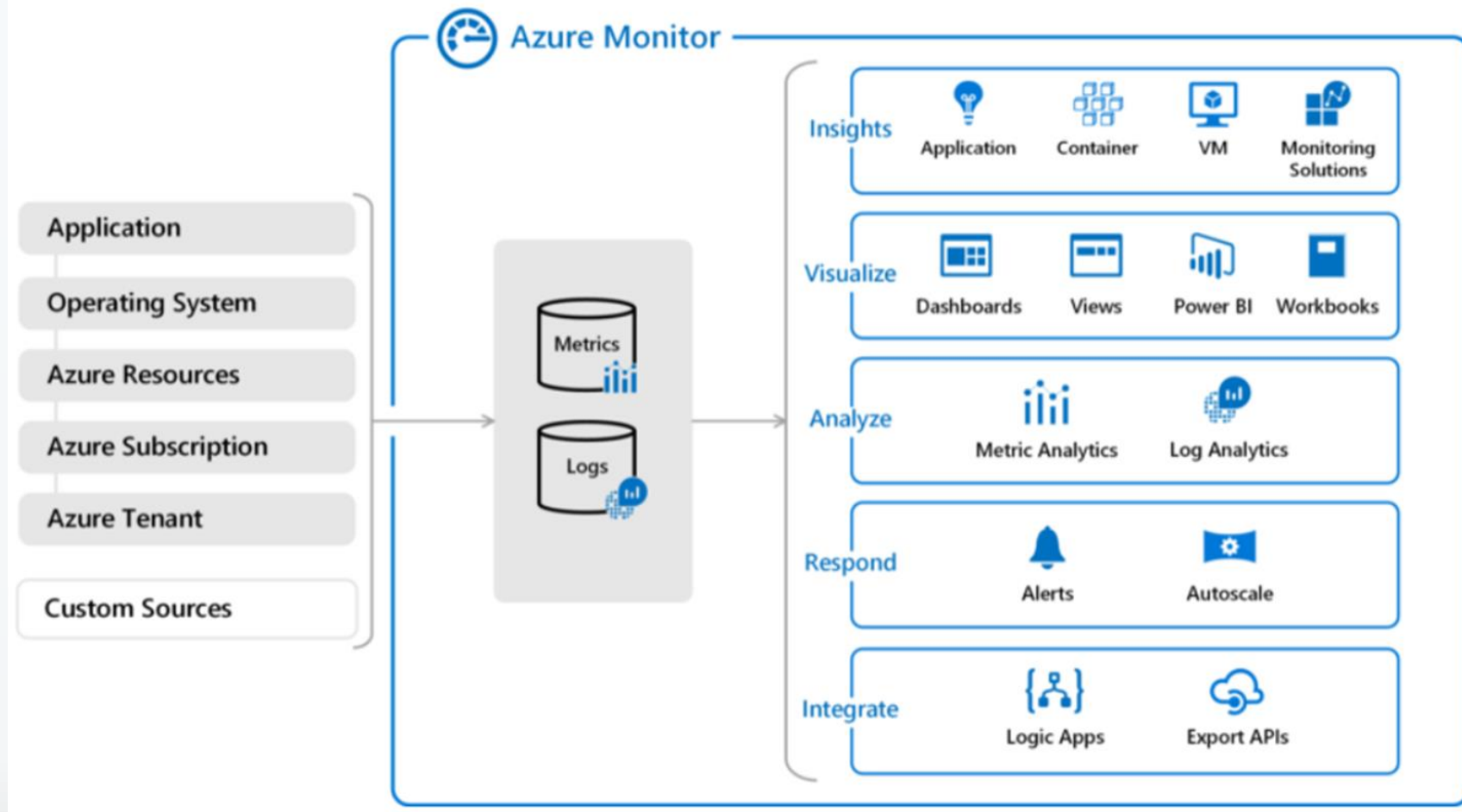
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03

Performance & Cost Optimization

Cloud Infra Monitoring & SLA Reporting

Observability & Digital Experience Management

Data Analytics & Visualization - AIOps
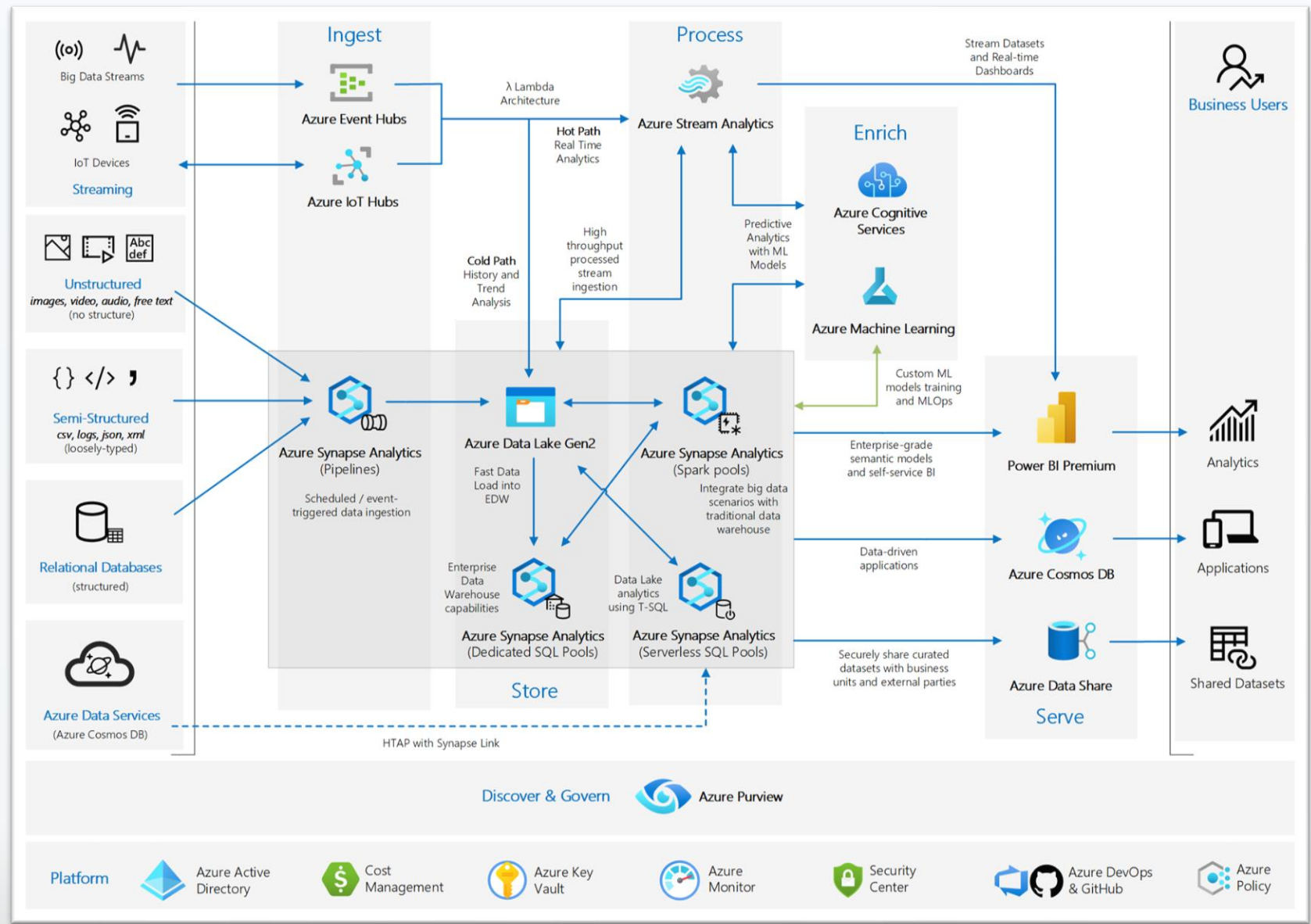
Solution Implementation using Insights eco-system

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Streaming
- Big Data Streams
- IoT Devices

Unstructured
images, video, audio, free text
(no structure)

Semi-Structured
csv, logs, json, xml
(loosely-typed)

Relational Databases
(structured)

Azure Data Services
(Azure Cosmos DB)

Ingest
- Azure Event Hubs
- Azure IoT Hubs

λ Lambda Architecture

Hot Path Real Time Analytics

Cold Path History and Trend Analysis

High throughput processed stream ingestion

Process
- Azure Stream Analytics

Stream Datasets and Real-time Dashboards

Enrich
- Azure Cognitive Services
- Azure Machine Learning

Predictive Analytics with ML Models

Custom ML models training and MLOps

Azure Synapse Analytics (Pipelines)
Scheduled / event-triggered data ingestion

Azure Data Lake Gen2
Fast Data Load into EDW

Azure Synapse Analytics (Spark pools)
Integrate big data scenarios with traditional data warehouse

Enterprise Data Warehouse capabilities

Azure Synapse Analytics (Dedicated SQL Pools)

Data Lake analytics using T-SQL

Azure Synapse Analytics (Serverless SQL Pools)

Store

Enterprise-grade semantic models and self-service BI

Power BI Premium

Data-driven applications

Azure Cosmos DB

Securely share curated datasets with business units and external parties

Azure Data Share

Serve

HTAP with Synapse Link

Business Users

Analytics

Applications

Shared Datasets

Discover & Govern Azure Purview

Platform
- Azure Active Directory
- Cost Management
- Azure Key Vault
- Azure Monitor
- Security Center
- Azure DevOps & GitHub
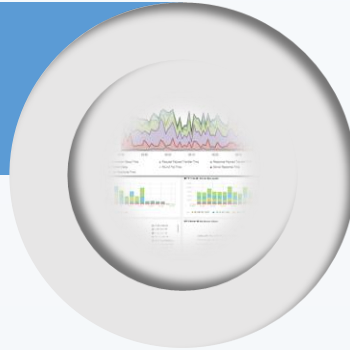- Azure Policy

Move to Cloud / Services Portfolio

Network Sizing

Assess impact of network delay on app performance - QoS

Application Dependencies

Automatically identify application dependencies before moving to cloud

Performance & Cost Optimization

Optimize use of Azure resources vs performance/cost objectives

Testing Services

Stress Tests & continious QoS validation

THANK YOU

Performance Partner