



# Azure Modern Workloads

Secure Cloud Services for your online business since 1999.  
**.Reliable .Secure .Speed .Scalable .Manageable .Compliant**

Gold  
Microsoft  
Partner  


Azure  
Expert  
MSP





# Azure Artificial Intelligence

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Azure Expert MSP



## Build models rapidly & operationalise at scale from cloud to edge.

Turn Complex Situations Into Intelligent Business Outcomes.

### Azure AI Lifecycle



**Workbench**  
Wrangle Data, Build models, Deploy & Manage

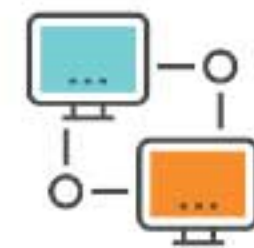


**Experimentation**  
Boost productivity with Spark, GPU & agile deployment.



**Model Management**  
Deploy, Version, Manage & Monitor Models

### Key Capabilities



Data Acquisition & Understanding



Region Availability



Serverless Insights



Data pre-processing



Fully Managed

### Benefits



Use Python to work with Data



Consider Ethics for AI



Build AI/ Machine Learning Models



Build Reinforcement Learning Models



Operationalize AI Solutions



Develop Applied AI Solutions



Security-Health Monitoring



Valuable documentation & Text analytic support

Ask for Azure AI consultation

<https://www.xcellhost.cloud/azureAI>



### Use Cases



Recommendation Engine



Natural Language Processing



Predictive analysis using Sensor Data



Customer Sentiment Analysis



Shelf Audit/Analytics



Context aware marketing

### What We Do

#### AI SERVICES

##### TRAINED SERVICES



Cognitive Services

##### CONVERSATIONAL AI



Bot Framework

##### CUSTOM SERVICES



Azure Machine Learning

#### AI TOOLS



Azure ML Studio



Azure ML Workbench



VS Code Tools for AI



Azure Notebooks

#### AI INFRASTRUCTURE

##### AI ON DATA



Data Lake



SQL Server



Cosmos DB

##### AI COMPUTE



Spark



DSVM



Batch AI



ACS

##### DEEP LEARNING FRAMEWORKS



Cognitive Toolkit



TensorFlow



Caffe 2



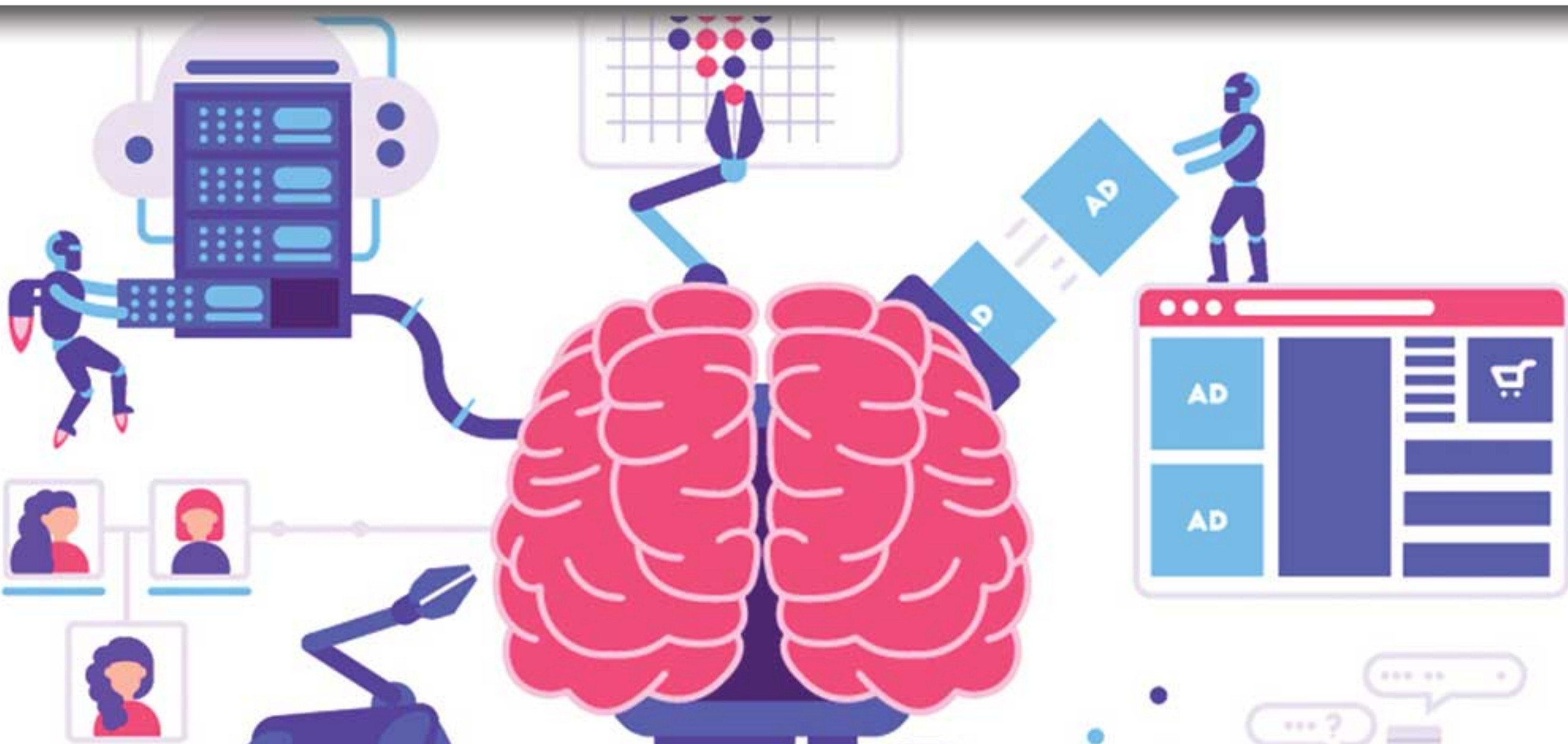
# Azure Machine Learning

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Azure Expert MSP



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Turn Complex Situations Into Intelligent Business Outcomes.

### What We Do



Azure Stream Analytics



Azure ML Studio



Azure Bot Framework

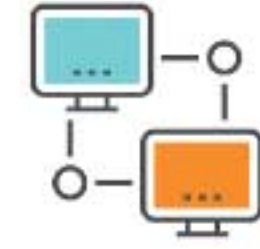


Azure Cognitive Services



Azure Databricks

### Key Capabilities



Local Computer with Down Sampled Data.



Region Availability



Data Featurization



Data pre-processing



Azure Machine Learning compute

### Benefits



Predictive modeling



Innovate faster with robust MLOps



Anomaly detection



Intuitive graphical interface & Support for R scripts



Valuable documentation & Text analytic support



Security-Health Monitoring



Data and Fine Tune The Results

Ask for Azure ML consultation

<https://www.xcellhost.cloud/azureML>

## Use Cases



Applications in Smartphones



Google Search, Translate, Custom Speech



Transportation & Commuting



Recommendation Engines



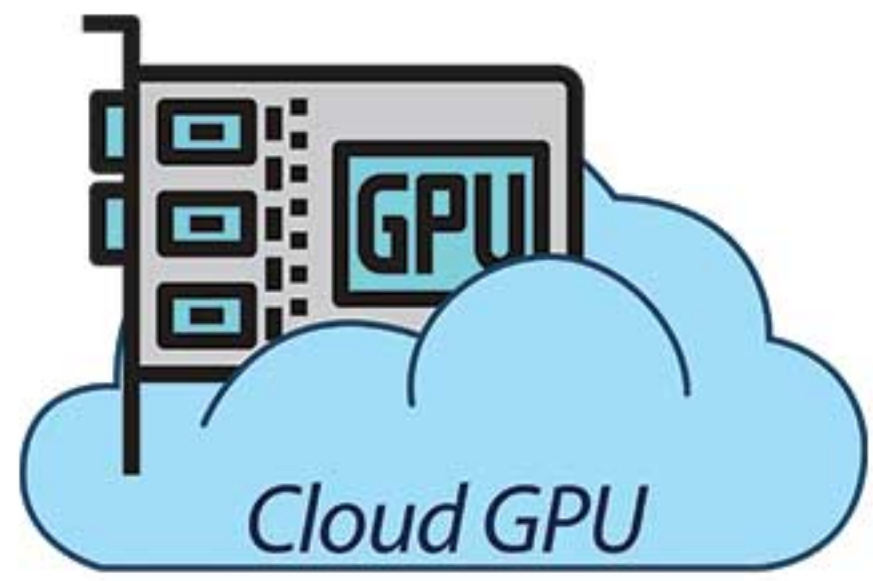
Cyber Security



Scene Classification

## Machine Learning Process





# GPU Cloud On Azure

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## Bringing AI & High Performance Computing to Enterprise A Cloud With Improved GPU Performance, Speed & Accuracy.

### Features



Optimize VM Performance



Azure Resource Manager (ARM) templates



Bare Metal Server



Attach GPU To Any Machine Type



Open, with options



Virtual Workstations In The Cloud



Hybrid Connections



High-Density Multi-Tenancy

### Benefits



Connect From Any Machine



Flexible, Powerfull HPC



Scaling Of VM Is Effortless



You Get First Class Download & upload speeds



Per Socond Billing



Disks can be detached & restored on another machine



User-Friendly Interface

Order your dream Cloud Server now

<https://www.xcellhost.cloud/gpu>

## GPU Cloud on Azure Pricing



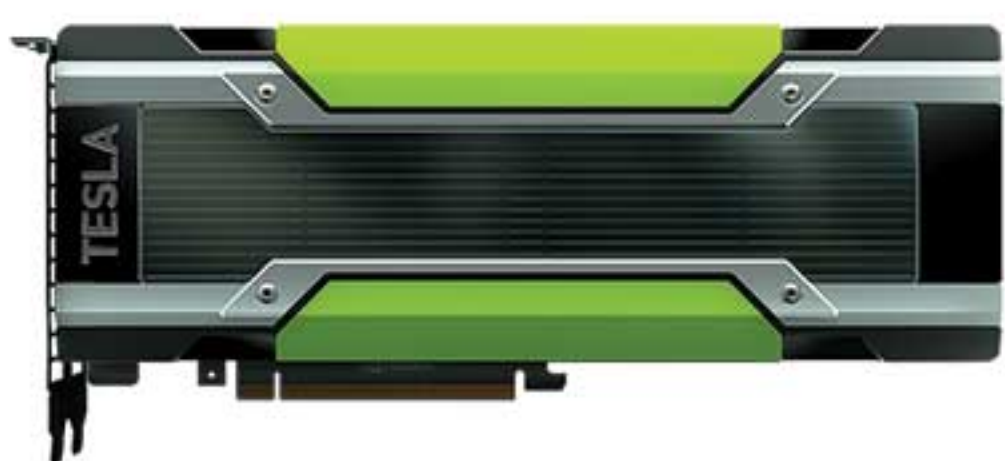
**NVIDIA Tesla K80**



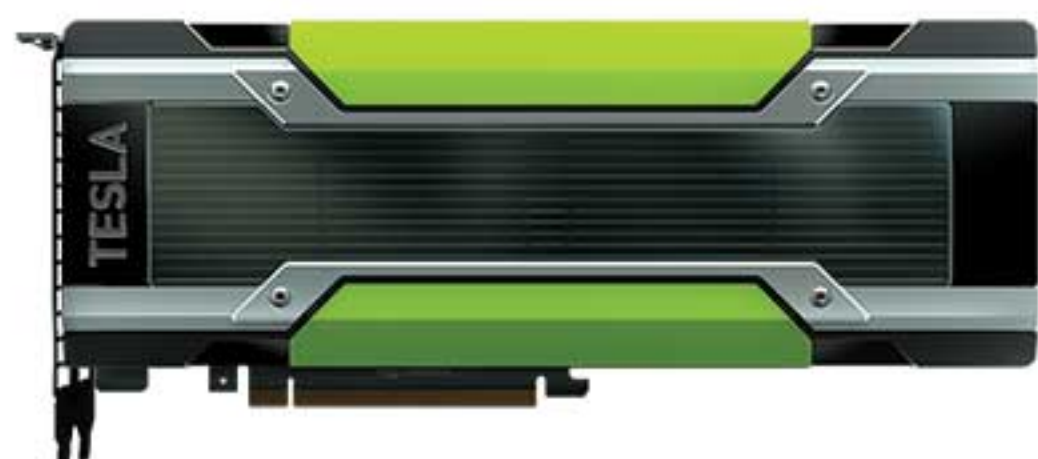
**NVIDIA Tesla P100**



**NVIDIA Tesla V100**



**NVIDIA Tesla P40**



**NVIDIA Tesla M60**

NC-series (NVIDIA Tesla K80)	GPUs	GPUs RAM	vCPU (in core)	vRAM (in GB)	Total Data Transfer*	Monthly Cost ₹
Standard_NC6	1	16	8	61	5 TB	22,998.93
Standard_NC12	4	64	32	244	5 TB	45,217.10
Standard_NC24	8	128	64	488	5 TB	90,367.28

NCv2-series (NVIDIA Tesla P100)	GPUs	GPUs RAM	vCPU (in core)	vRAM (in GB)	Total Data Transfer*	Monthly Cost ₹
Standard_NC6s_v2	1	12	4	61	10 TB	38,132.27
Standard_NC12s_v2	8	96	32	488	10 TB	75,501.63
Standard_NC12s_v2	16	192	64	732	10 TB	150,222.49

NCv3-series (NVIDIA Tesla V100)	GPUs	GPUs RAM	vCPU (in core)	vRAM (in GB)	Total Data Transfer*	Monthly Cost ₹
Standard_NC6s_v3	1	8	16	122	10 TB	38,132.27
Standard_NC12s_v3	2	16	32	244	10 TB	75,501.63
Standard_NC24s_v3	4	32	64	488	10 TB	150,222.49

ND-series (NVIDIA Tesla P40)	GPUs	GPUs RAM	vCPU (in core)	vRAM (in GB)	Total Data Transfer*	Monthly Cost ₹
Standard_ND6s	1	12	4	61	10 TB	42,593.75
Standard_ND12s	8	96	32	488	10 TB	84,424.59
Standard_ND24s	16	192	64	732	10 TB	168,068.41

NV (NVIDIA Tesla M60)	GPUs	GPUs RAM	vCPU (in core)	vRAM (in GB)	Total Data Transfer*	Monthly Cost ₹
Standard_NV6	1	8	16	122	10 TB	20,768.19
Standard_NV12	2	16	32	244	10 TB	40,755.62
Standard_NV24	4	32	64	488	10 TB	81,444.32



# HPC on Azure

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Virtually unlimited infrastructure & fast networking for scalable HPC. Cloud HPC solution that best meets your needs – from IaaS to SaaS

## Key Benefits



Elevate Performance



Control Costs



Accelerate Deployment



Flexible Configuration

## Use Cases



Research labs



Artificial intelligence & machine learning



Building HVAC & Life Sciences



Aeronautics

## Key Features



Computing Machines



Storage & Data Transfer



Remote Job Submission



Interface



Bioinformatics Specific Options

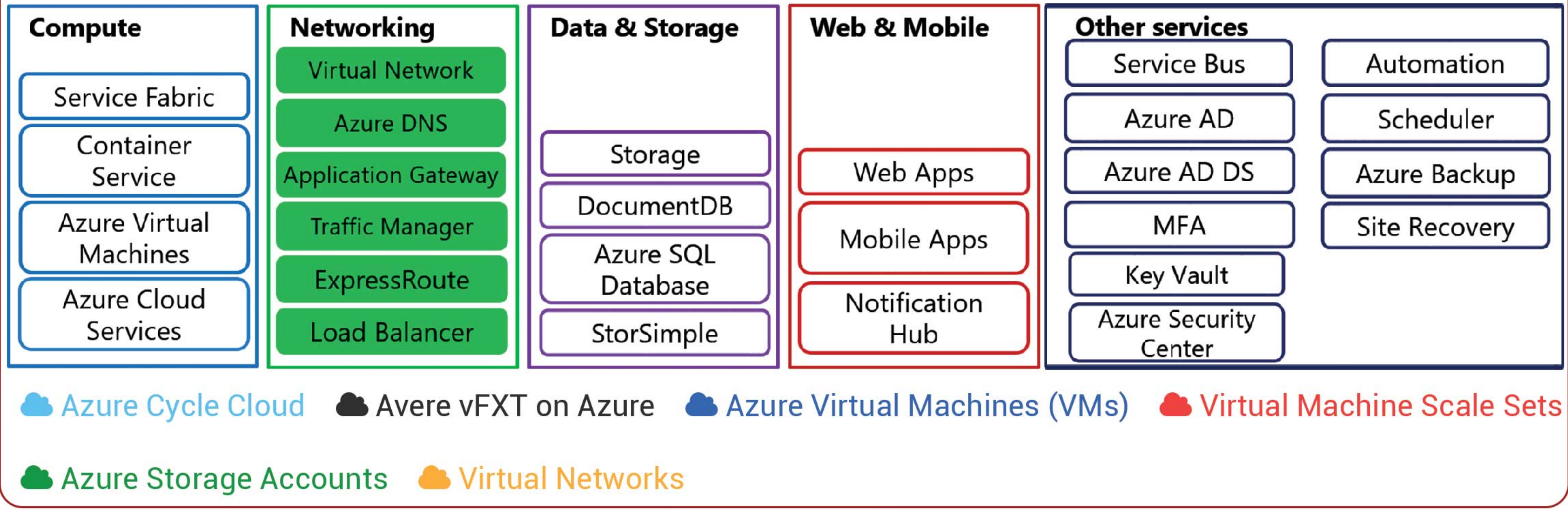


Operational Excellence

Ask for HPC on Azure consultation / <https://www.xcellhost.cloud/HPC on Azure>

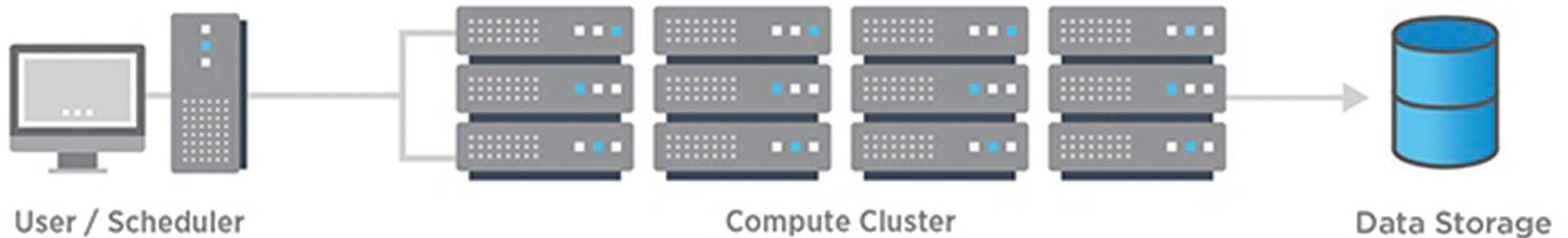


HPC on Azure - Component Services



How it Works

HPC solutions have three main components: Compute, Network, Storage





# Azure IoT

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Drive your digital transformation by gaining insights from your connected devices. Complete, ready-to-deploy solutions for common IoT scenarios.

## Why Azure for IoT

- Open sourcing the platform
- IoT Solution From Device To The Azure Cloud
- Right Insights From Your Data and Analytics
- Consult On Your IoT Strategy
- Containers At The Core
- Ecosystem Engagement

## Azure IoT Features

- Azure IoT for Remote Monitoring
- Azure IoT for Device Simulation
- Azure IoT for Connected Factory
- Azure IoT for Predictive Maintenance

## Benefits

- Device Management
- Connect Any Device
- Security & Reliability
- Diagnostics & Bandwidth Saving
- Automate to Transform
- Open & Scalable
- Flexibility of Open Source With Support

Ask for Azure IOT consultation today <https://www.xcellhost.cloud/azureIoT>

Use Cases



Lumo Vision



Holo Lens



Air Sim



Cyber Physical Systems



Smart Stadiums



Connected Vehicles

Azure IoT Technologies & Solutions

**(PaaS) Solutions**

**Azure IoT solution accelerators (PaaS)**  
Preconfigured solutions for common IoT scenarios

**(SaaS) Solutions**

**Azure IoT Central (SaaS)**

**Microsoft Dynamics Connected Field Service (SaaS)**

**(PaaS) Technologies**

Device support	IoT		Data and Analytics	Visualization and Integration	
Azure IoT Device SDK	Azure IoT Hub	Azure Maps	Azure HD Insight	Microsoft Flow	Azure Active Directory
Azure IoT certified devices	Azure IoT Edge	IoT Hub Device Provisioning Service	Azure Data Lake	Azure Logic Apps	Microsoft Power BI
Security Program for Azure IoT	Azure Time Series Insights		Azure Cosmos DB	Azure Web App	Azure Monitor
Windows 10 IoT	Azure Sphere	Azure Functions		Notification Hubs	
	Azure Digital Twins	Azure Machine Learning			



# Azure Big Data

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XcellHost can help assess your company's big data needs and analyze your multi-structured data to design a high-performant data platform for your organization.

Volume

Variety

Velocity

Veracity

## What We Do

- SQL Data Warehouse
- Data Factory
- Azure BLOB Storage
- Azure Databricks
- Azure Cosmos DB
- Power BI
- Azure HDInsight

## Key Offering

- Data modernization assessment
- Snowflake data architecture implementation strategy
- Data architecture roadmap executive workshops
- Big data consulting workshop

## Benefits

- Mitigate Risk
- Define & Run Workflows For Data Processing Using Oozie.
- Transfer Data Using Sqoop.
- Use Custom Python User-Defined Functions From Hive & Pig
- Work Quickly, With No Upfront Data Preparation
- Conduct Root-Cause Analysis, & Compare Multiple Assets
- Gain Deeper Insight Into Sensor Data

Ask for Azure BigData consultation <https://www.xcellhost.cloud/azureBigData>

Use Cases



360° View of the Customer



Data Warehouse Offload



Recommendation Engines



Social Media Analysis & Response



Fraud Prevention



Ad-hoc Analysis

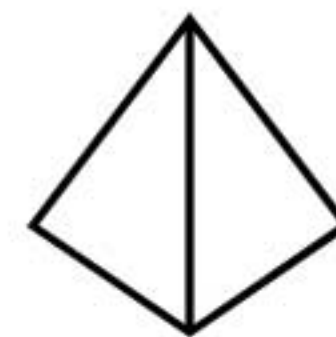
Key Capabilities

XcellHost help businesses focus on key business areas and operations through our Big Data services.



Big Data Consolidation

Consolidation and segmentation of all structured, unstructured, & semi-structured data coming from disparate sources & channels



Big Data Augmentation

Adding information to the base data, derived from internal and external sources within the organization



Fully Managed, Serverless Insights

Focus on decision-making with clear visibility of the operational performances



Big Data Batch Processing

Large sets of information are collected, entered, and processed, & batch results are generated



Big Data Engineering

Process of implementing a data lake & developing data pipelines to streamline analytical activities



Big Data Consulting

A comprehensive team of big data experts support the adoption of an advanced approach to business data



# Managed Azure Sentinel

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Azure Expert MSP

## Save time, money, & effort by letting XcellHost experts handle your Azure Sentinel.



Collect



Detect



Investigate



Respond

### Why Choose XcellHost For Managed Azure Sentinel



Expand Your Team with Low Cost



Minimize Breach Window



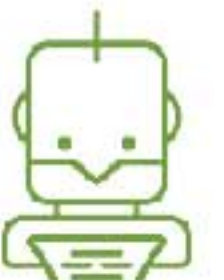
Reduce Alert Fatigue



Big Data Analytics



Use Case Analytics



Shift to Intelligence Driven Operations

### Azure Sentinel Management



Continuous fine-tuning of existing alerts, playbooks



Integration with customer ticketing system



Monitoring & availability of all log sources



Regular alerts & monitoring of cloud SIEM costs



Custom dashboards with relevant customer information



Threat Intelligence open source feeds integration



Service support & assistance during alert triaging & escalation



Management of the Managed Sentinel agent deployed on customer's premises.



Monthly service review

Ask for Managed Azure Sentinel consultation <https://www.xcellhost.cloud/managedazuresentinel>

Benefits



Identify threats as soon as they occur



Focus on remediation rather than detection



Maximise the benefit of your SIEM investment



Meet compliance needs



SLA - Measurable Escalations



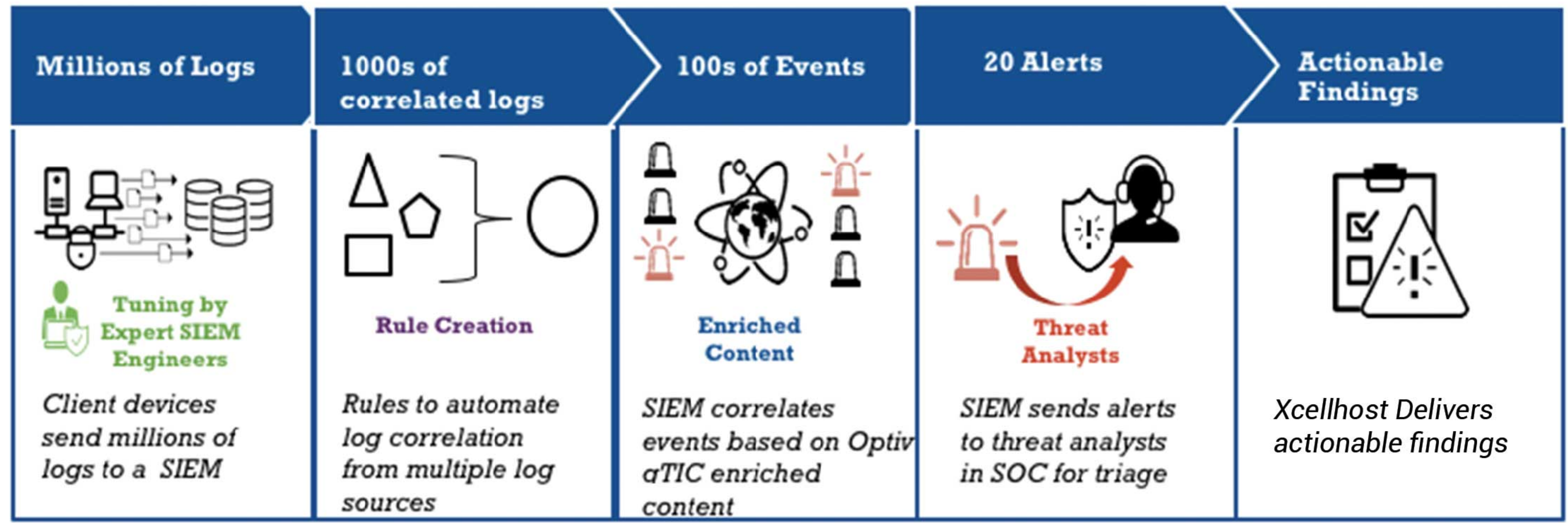
Increased System Health



Service based on ITIL3 framework

Xcellhost Robust Solution

As you can see in the flow diagram Below, Xcellhost Managed Azure Sentinel is geared towards actionability. This is a continual process of tuning logs & alert data, rules to improve processing, threat correlation and escalation, with research & response for the client for prioritized events and incidents.





# Azure Security Center

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## Gain unmatched hybrid cloud security management & threat protection for your workloads.

### Key Features



Policy configuration



Data collection



Centralized Policy Management



Continuous Security Assessment



Actionable Recommendations



Advanced Cloud Defenses



Intelligent Alerting

### Benefits



Threat Protection



Health Monitoring



Integrated Threat Intelligence



Behavioral Analytics



Anomaly Detection



Adaptive application controls



Controlled access to management ports on Azure VMs

Ask for Azure Security Center consultation

<https://www.xcellhost.cloud/azureSC>



Incident Response Process



Detect



Assess



Diagnose



Stabilize



Close

Security Center Overview

The screenshot shows the Microsoft Azure Security Center Overview dashboard. The interface includes a left-hand navigation pane with options like Overview, Security policy, Quickstart, Welcome, Events Processed, Log search, and a PREVENTION section with Recommendations, Partner solutions, Compute, Networking, Storage & data, and Applications. The main content area is divided into several sections: Overview (Recommendations: 14 Total, Partner solutions: 2 Healthy, New alerts & incidents: 0), Prevention (Compute: 9 Total, Networking: 8 Total, Storage & data: 28 Total, Applications: 4 Total), and Detection (Security alerts: 15 High Severity, 7 Medium Severity, Most attacked resources: vm1 with 20 Alerts, vm3 with 9 Alerts). The dashboard also features a search bar, a search icon, and various utility icons like Power BI, Subscriptions, and Log Integration.

Version 30102018/IN/CP/CAS



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Azure Expert MSP



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<https://www.xcellhost.cloud/azureSC>

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Diagnose



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Version 30102018/IN/CP/CAS

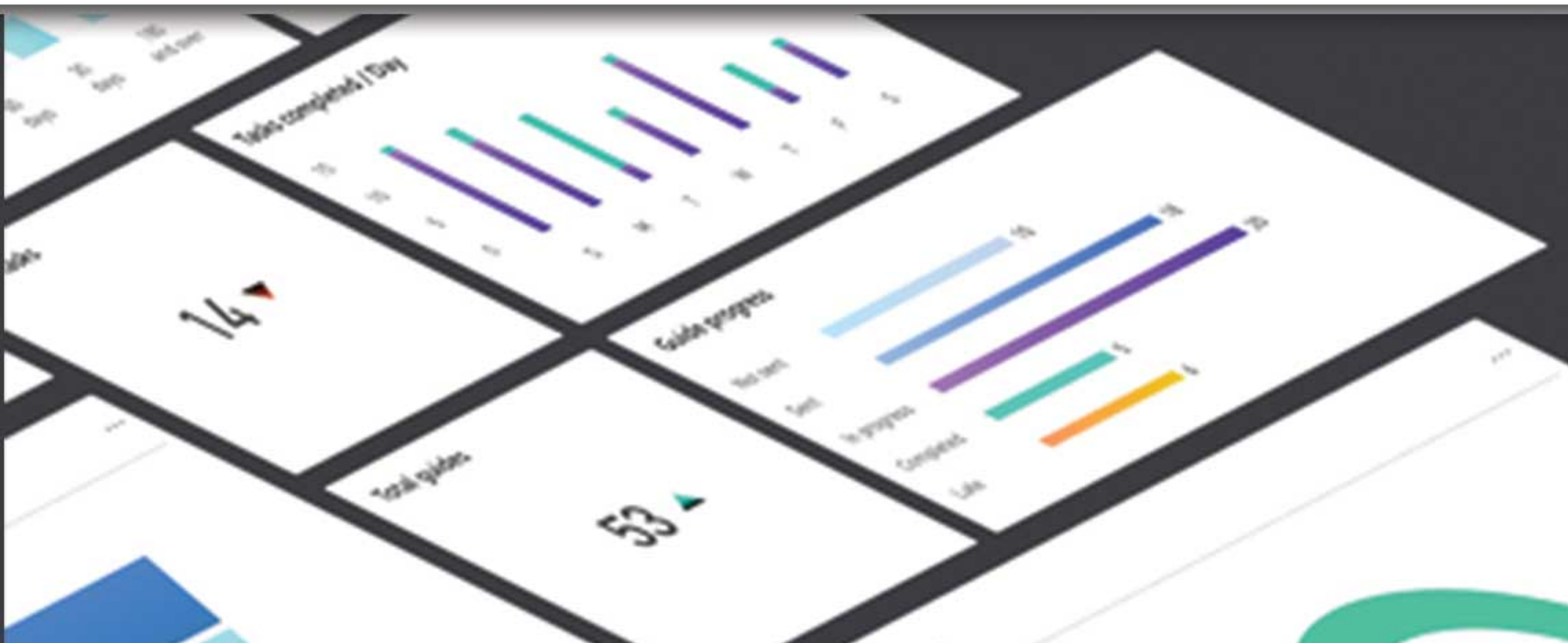


# Azure Lighthouse

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Azure Expert MSP

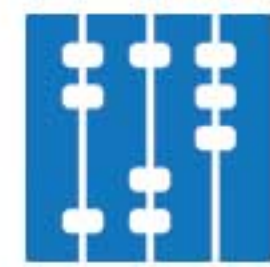


Centralized Management & monitoring Capabilities  
Reinvented. Easy, Automatic.  
Engineered for cloud native & hybrid environments.

## Key Capabilities



Azure delegated resource management



Azure Resource Manager templates



New Azure portal experiences



Azure managed applications



Manage Granular access to customer's environment



Customer Management across licensing models(EA, CSP, paygo)

## Benefits



Comprehensive



Automate & scale cloud management



Greater visibility & precision for customers



Unified Platform Tooling



Greater Visibility & Enhanced Security



Expand your reach with multiple avenues for enabling management

Ask for Azure Lighthouse Consultation

<https://www.xcellhost.cloud/azureLighthouse>

Azure Lighthouse – Cloud Management Automation Dashboard

The screenshot displays the Azure Lighthouse Security Center interface. The left sidebar contains navigation options like 'Home', 'Dashboard', and 'All services'. The main content area shows the 'Security Center - Compute & apps' dashboard with a search bar and a list of recommendations. The 'Recommendations' section is expanded, showing a table of security issues.

RECOMMENDATION	SECURE SCO...	RESOURCE
Remediate vulnerabilities in container security configurations	+35	1 of 1 Container h...
Enable Adaptive Application Controls	+25	4 of 104 virtual m...
Install system updates on your machines	+15	23 of 111 VMs & c...
Set the 'ClusterProtectionLevel' property to 'EncryptAndSign'...	+15	1 of 1 service fabr...
Apply disk encryption on your virtual machines	+13	84 of 104 virtual ...
Install endpoint protection solution on virtual machines	+10	27 of 104 virtual ...
Use Azure Active Directory for client authentication (Preview)	+10	1 of 1 service fabr...
Install endpoint protection solution on your machines	+7	1 of 7 computers
Remediate vulnerabilities - by a Vulnerability Assessment sol...	+5	1 of 104 virtual m...
Install a vulnerability assessment solution on your virtual mac...	+29	68 of 104 virtual ...

Integration Supported For Azure Lighthouse





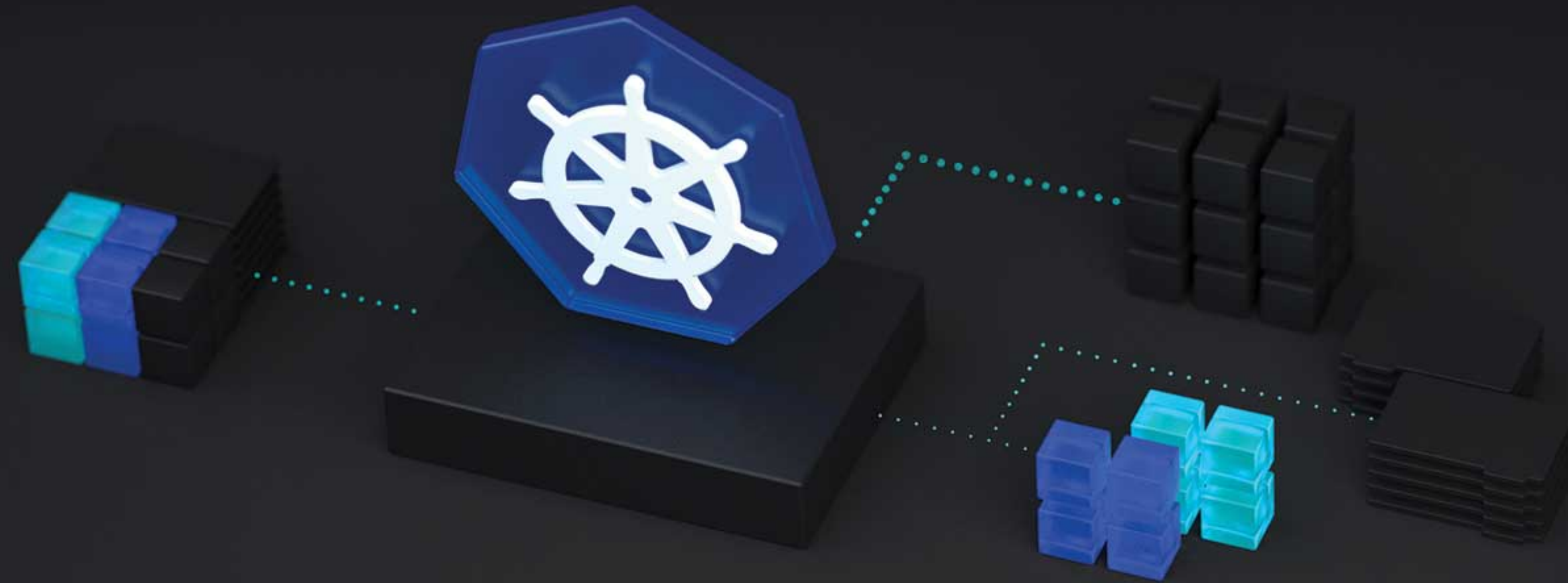
# Azure Kubernetes Service (AKS)

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Azure Expert MSP



## Highly Availability, Secure & Fully Managed Kubernetes Service.

Ensure 99.9% SLA Guarantee with No Operational Overhead.

### XcellHost AKS Offering Capabilities



Zero Downtime Cluster Upgrades.



Application Modernization for containers.



High availability & auto-repair recovery solutions.



Multi-cluster Management.



Monitoring, Alerting & Operations Management.



Role-based access control & SSO support with Azure AD.



Comprehensive security solutions for container images and infrastructure.



Transfer Data Using Sqoop.



XcellHost Experience™ with 24x7x365 support services



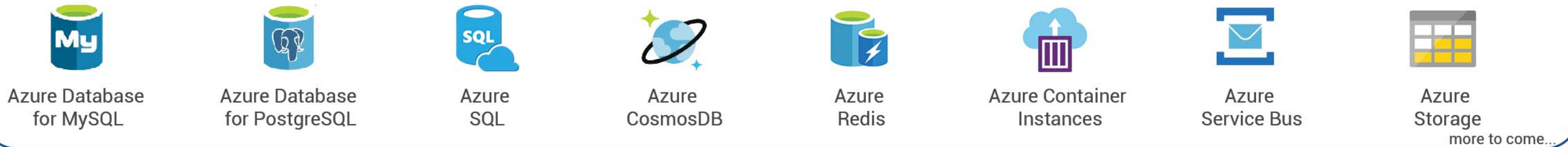
Architectural design and infrastructure deployment of Azure and AKS services

Ask for Azure Kubernetes Service(AKS) consultation <https://www.xcellhost.cloud/AKS>

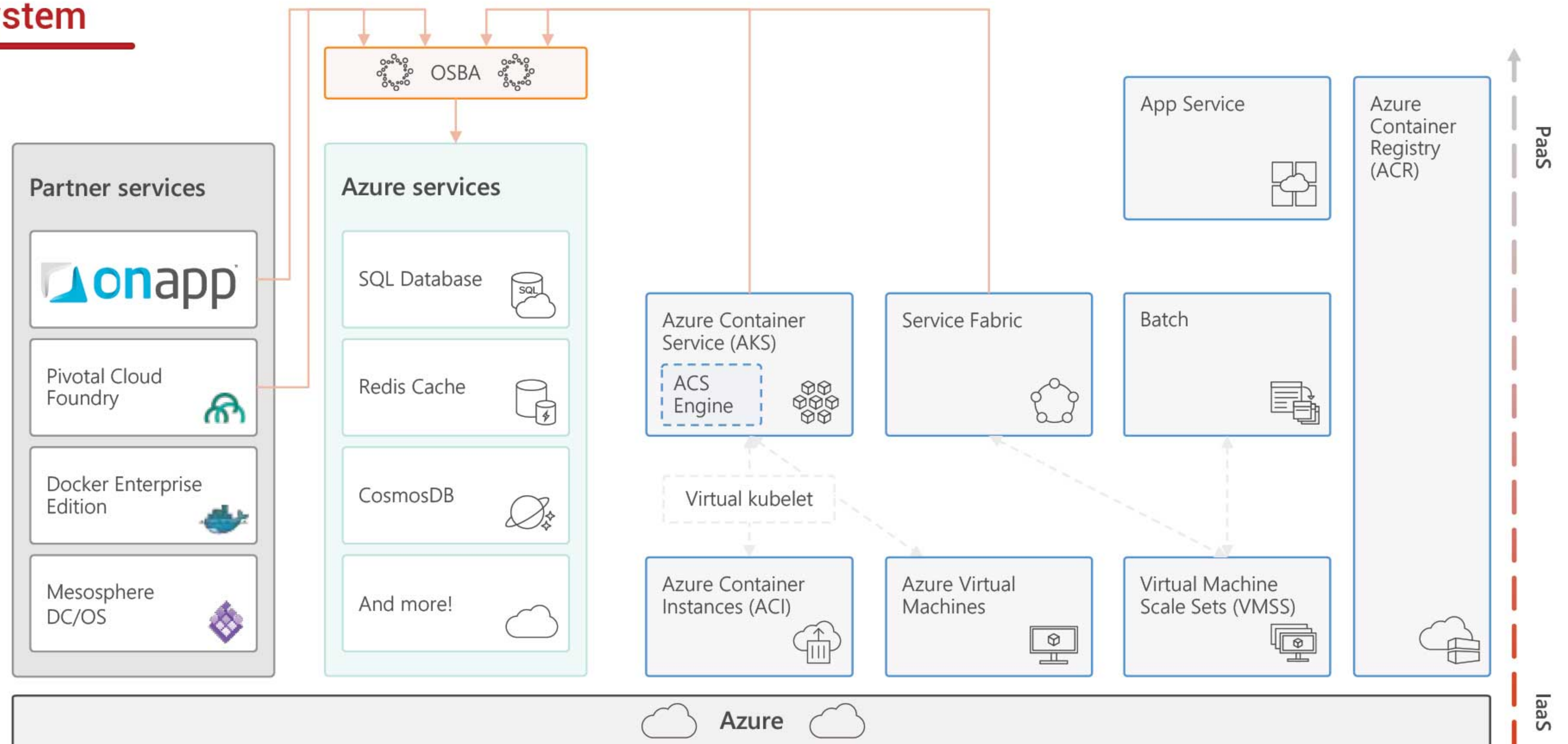
## Why Orchestration



## Easily connect Kubernetes apps to Azure Services



## Azure Container Ecosystem





# Azure Blockchain

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Azure Expert MSP

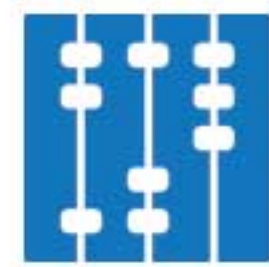


## Rapidly build, deploy, govern, & expand consortium & manage decentralized networks & services

### Features



Deploy fully managed blockchain networks in a few simple clicks



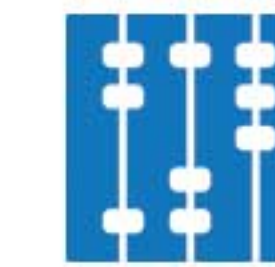
Offload blockchain network management so you can focus on application logic



Build blockchain apps using dev tools



Preconfigured networks & infrastructure.



Iterate and validate blockchain scenarios



Get up and running quickly



Simplify development

### Benefits



Contract Support & Multi-Workflow



Improvement Monitor



Enable/Disable Apps



Usability and Polish



BYOB - Bring Your Own Blockchain



Workbench supports Azure AD all sizes



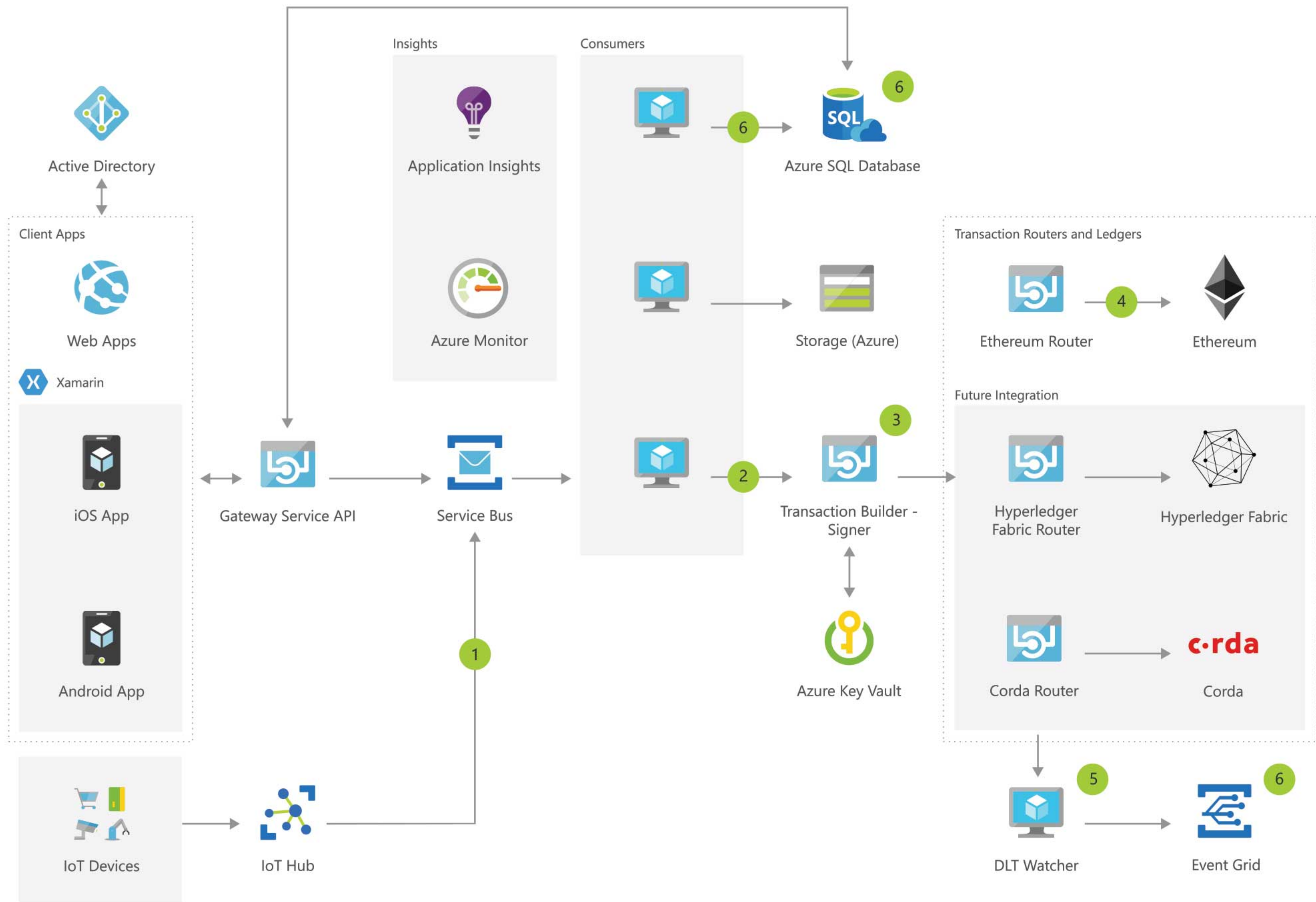
User to access the right set of data to address problems and bugs.

Ask for Azure Blockchain consultation

<https://www.xcellhost.cloud/azureBlockchain>



### Supply Chain Track & Trace



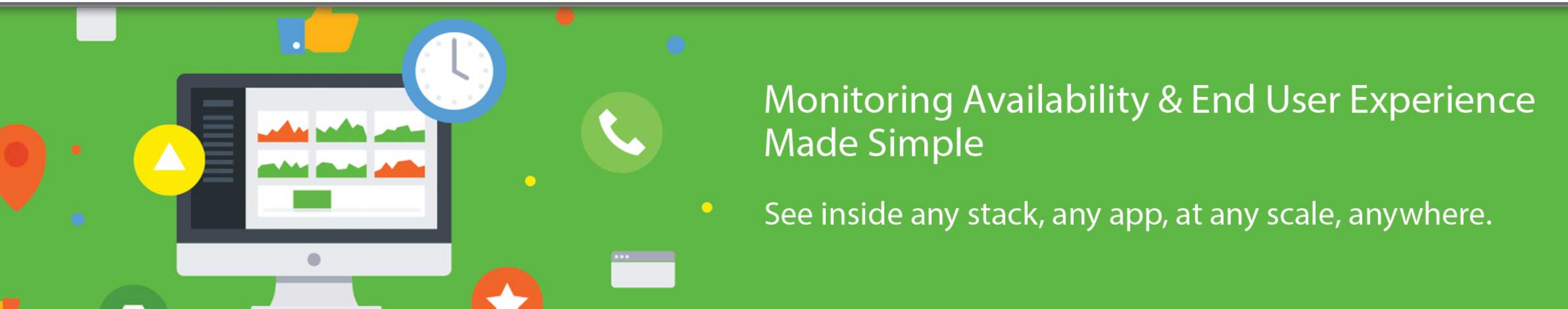


# Azure Monitor

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Azure Expert MSP



## Monitoring Availability & End User Experience Made Simple

See inside any stack, any app, at any scale, anywhere.

### Benefits



Azure Insights & Analytics



Azure Portal



REST API PowerShell & CLI



No upfront cost & Easy to manage



Get advantage of your data quickly



Log Analytics resolve your alerts



Customized Monitoring to your business



Respond to issues quickly

### Azure Monitor supports



Redis Cache



Data Lake



API Management



Logic Apps



Stream Analytics



Azure vMs



Storage



Load Balancer



SQL Database



Azure Service Bus



App Services

Ask for Azure Monitor consultation <https://www.xcellhost.cloud/azuremonitor>

How it Works

Azure Monitor

- Application
- Operating System
- Azure Resources
- Azure Subscription
- Azure Tenant
- Custom Sources



**Insights**

- Application
- Container
- VM
- Monitoring Solutions

**Visualize**

- Dashboards
- Views
- Power BI
- Workbooks

**Analyze**

- Metrics Explorer
- Log Analytics

**Respond**

- Alerts
- Autoscale

**Integrate**

- Event Hubs
- Logic Apps
- Ingest & Export APIs

- Metrics
- Logs
- Health
- Service Events



# Azure Virtual Desktop Service

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## Provide your end-users with Fully Managed Ready To Use Desktops, hosted on Microsoft Azure Cloud.

### What we provide in Azure Virtual Desktop Service



Incident & Problem Management



Image & Patch Management



Monitoring End User Experience



Guaranteeing End User Experience



Real-time monitoring



Operating System Management



Change Management

### Benefits



Highly Scalable & Robust Platform



Pay As You Go



Translating To Reduced TCO



Seamless upgrade to (WVD); including, multi-user WVD on azure



Compatible with O365 with single license



Centralized Management Aids Rapid Scaling Up & Down



Implementation & Integration With Existing Applications & Peripherals



Help Desk & Single Point Of Accountability For All End-User Performance Issues



Easy backup & DR solution

Ask for Azure Virtual Desktop Service Consultation <https://www.xcellhost.cloud/AzureVirtualDesktop>

Components of Virtual Desktop Service Azure Cloud



**Design & Consulting**



**Onboarding and Implementation**

Configuration, Migration and User Acceptance Testing.



**End-to-End Support**

Smart Monitoring and Help Desk.

Azure Virtual Desktop Services Options

Features	Shared	Dedicated
Storage	10 GB	10 GB
Authentication	Shared Active Directory	Dedicated Active Directory
OS and Access license	Windows Server 2016 with RDS CAL	Windows Server 2016 with RDS CAL
Desktop Access	Internet	Internet
Workload	Task workers	Task workers
Availability	6 days a week (8am to 8pm)	6 days a week (8am to 8pm)
Minimum number of users	10	100
<b>Add-on (Optional)</b>		
Office 365/M365	Yes	Yes
Discounts for BYOL (Bring your own license)	NA	For EA/SA Microsoft customers
Internet Access	Charged based on usage	Charged based on usage
<b>Support Model</b>	Remote	Remote
<b>Engagement Duration</b>	Quarterly / Yearly	Quarterly / Yearly
<b>Billing</b>	Prepaid - Quarterly / Yearly	Prepaid - Quarterly / Yearly



# Azure Certified Staff

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