

22nd June 2021

Living in the Edge

#DotNet2021



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"Educando con una sonrisa."





















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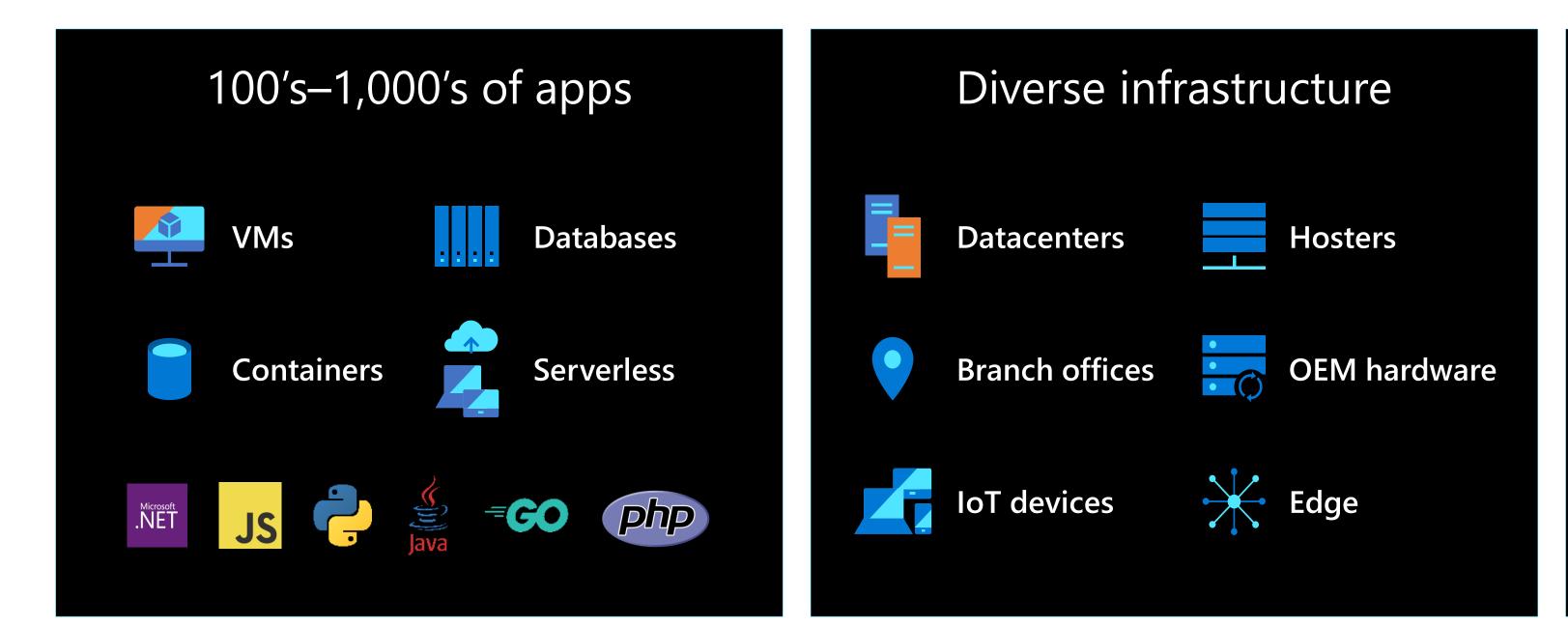


Customer environments and application requirements are evolving

Single control plane with Azure Arc

How to govern and operate across disparate environments?

How to best enable innovation How to ensure security across the entire organization? and developer agility?



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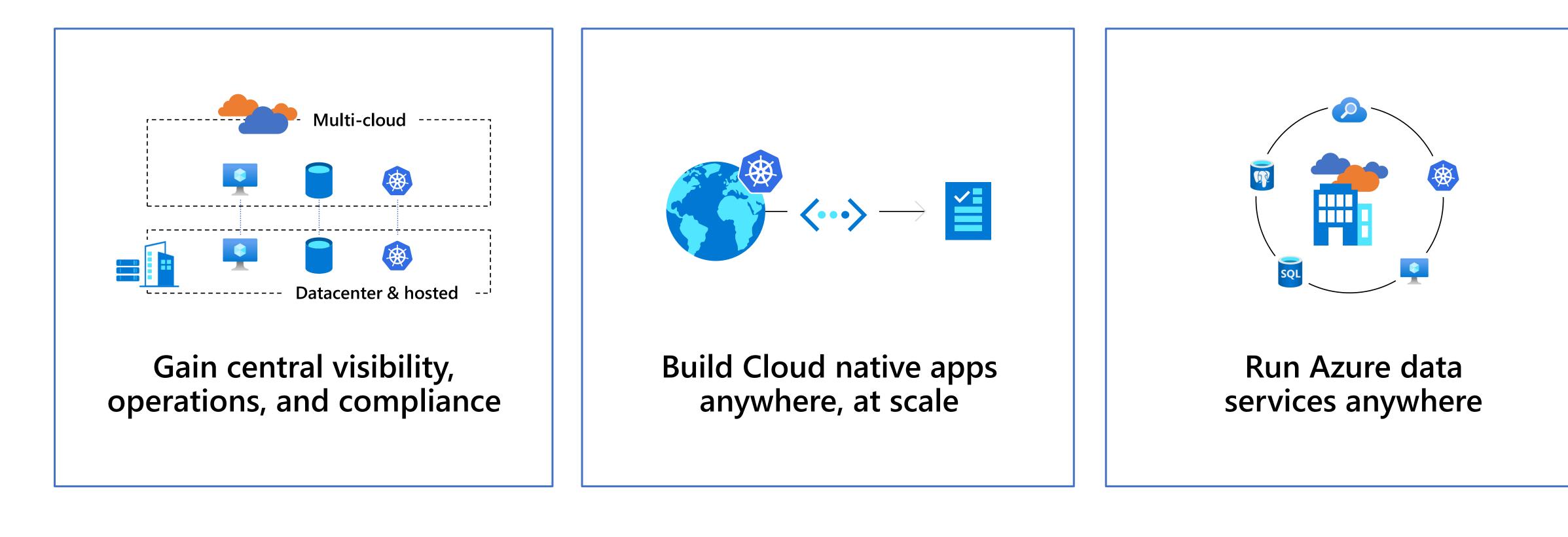
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How to meet regulatory requirements and overcome technical hurdles?









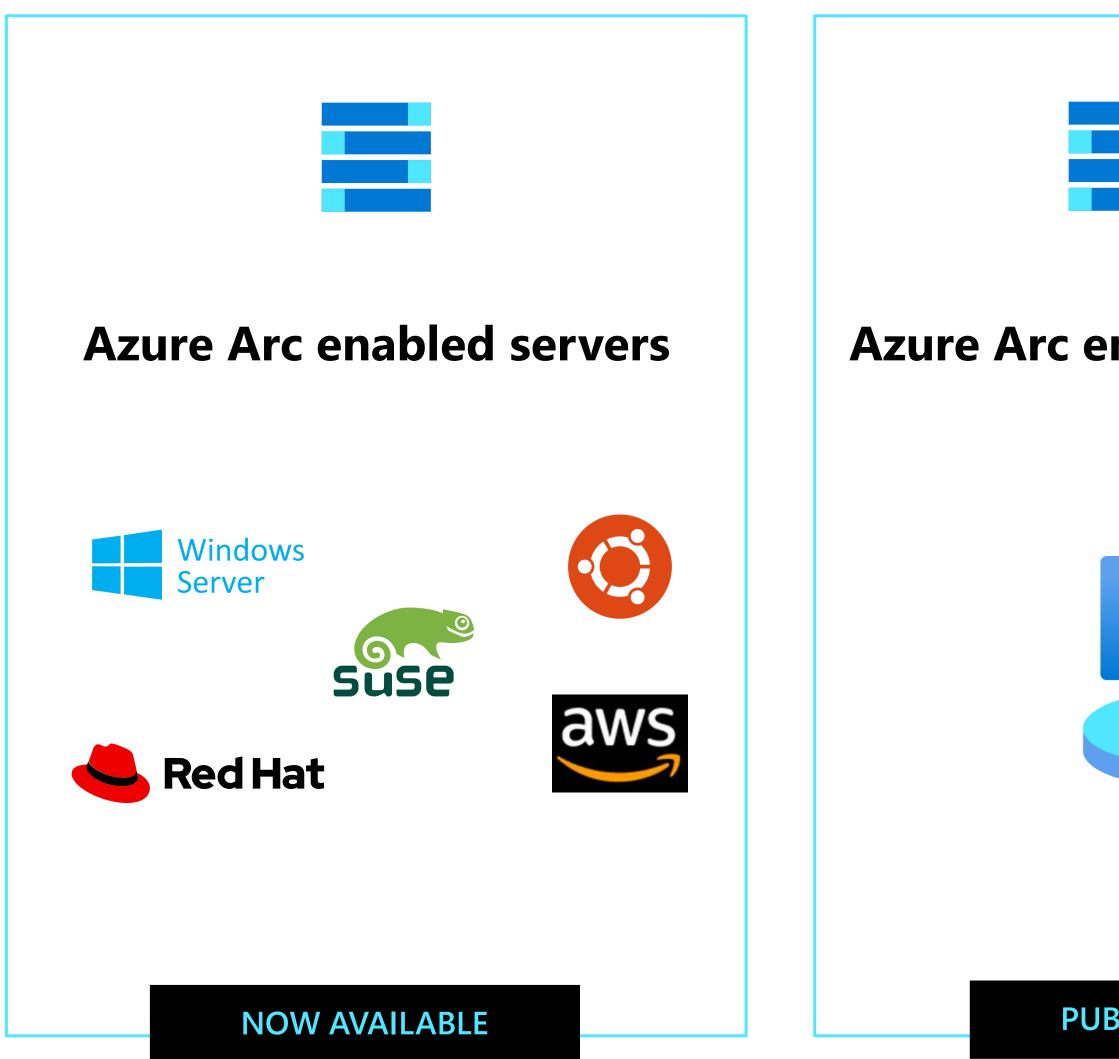
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Azure Arc

Extend Azure management and services anywhere







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Azure Arc enabled Kubernetes









NOW AVAILABLE

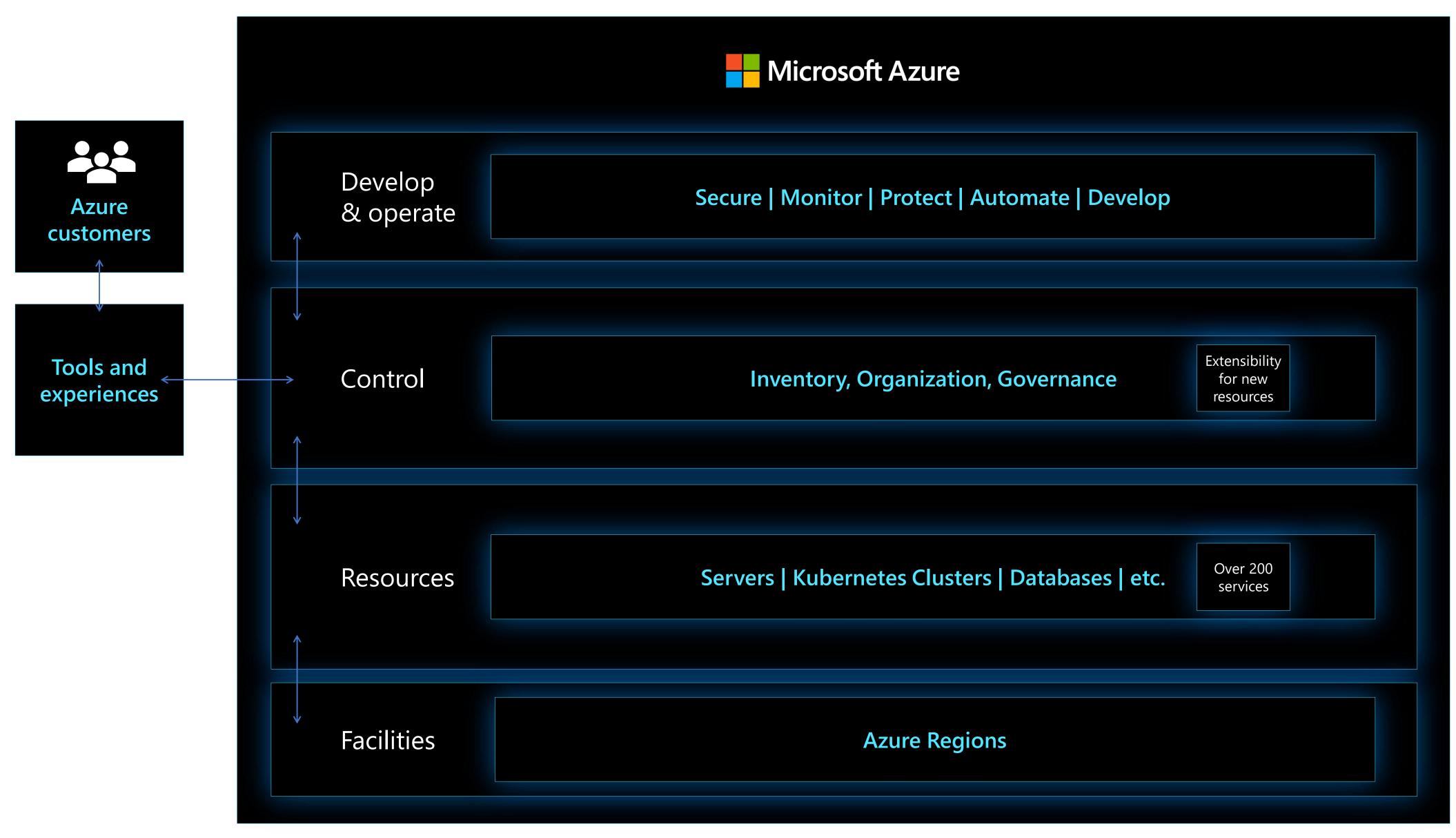
Azure Arc enabled SQL Server SQL

PUBLIC PREVIEW



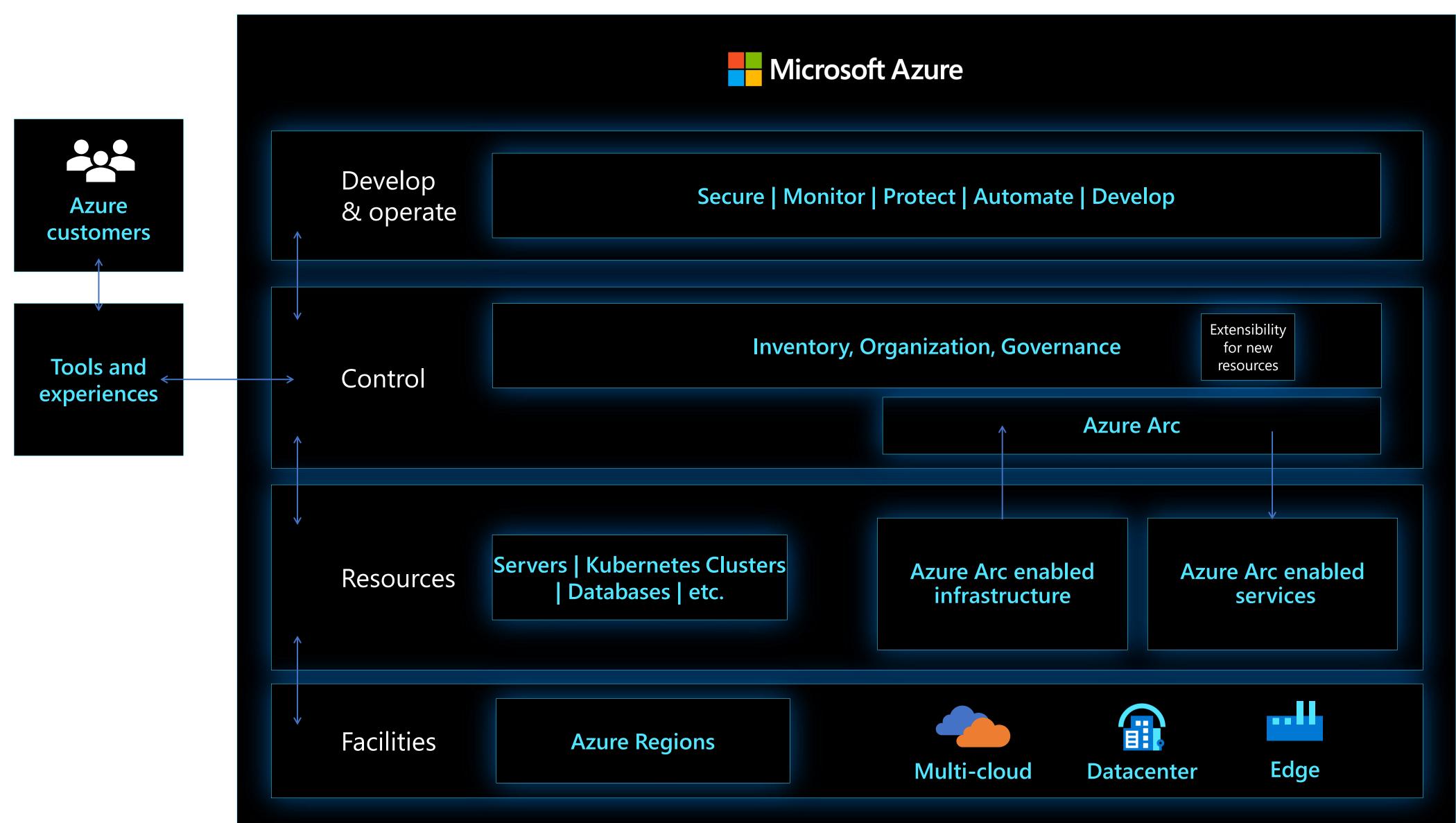
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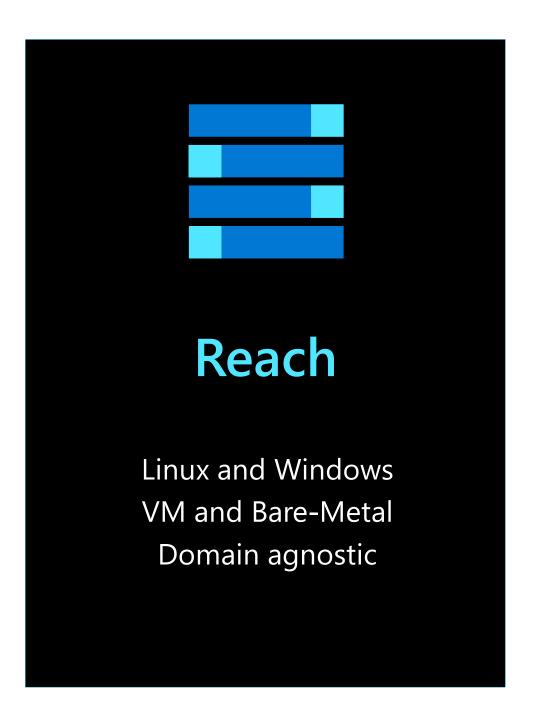


ARC enabled Servers

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Azure Arc enabled servers Bring on-premises and multi-cloud servers to Azure with Azure Arc





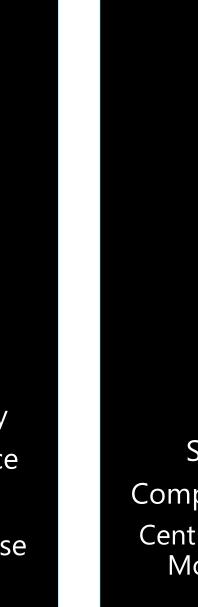
Organize and Inventory

At scale searchable inventory Unify management experience Consistent VM extensions Integrate with Azure Lighthouse



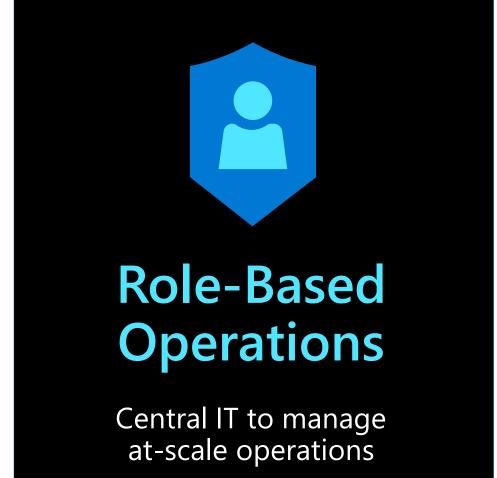
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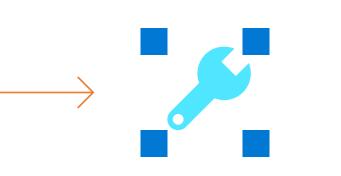




Centralized agent management – Monitoring, Security, Update Management



Workload owners manage based on their access







Azure Arc enabled servers Azure Arc enabled servers are auto-enrolled with additional Azure services



Just turn them on when you want to use them

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Additional services

Azure Policy

Azure Defender

Azure Sentinel

Azure Monitor

Change and inventory tracking

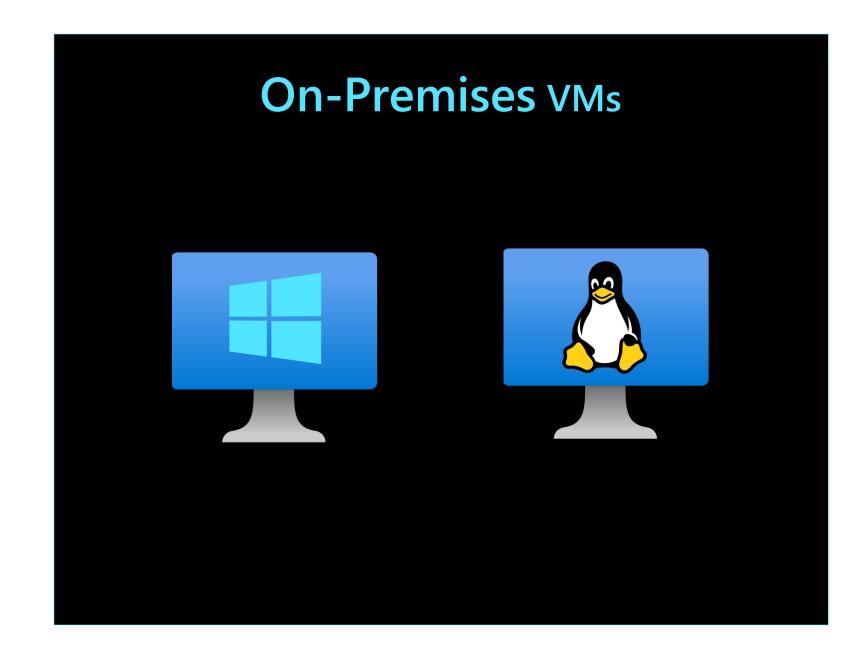
Update management

Azure Security Center



Azure Arc enabled servers The future of Microsoft Endpoint Configuration Manager (formerly SCCM)

The Azure management services enabled by Azure Arc can replace much of the functionality of MECM, but we recommend a gradual transition based on the use case. In some cases, MECM cannot be replaced yet.



MECM
Capabilities
Change and inventory tracking
Update/patch management
Security



ARC enabled Servers Demo

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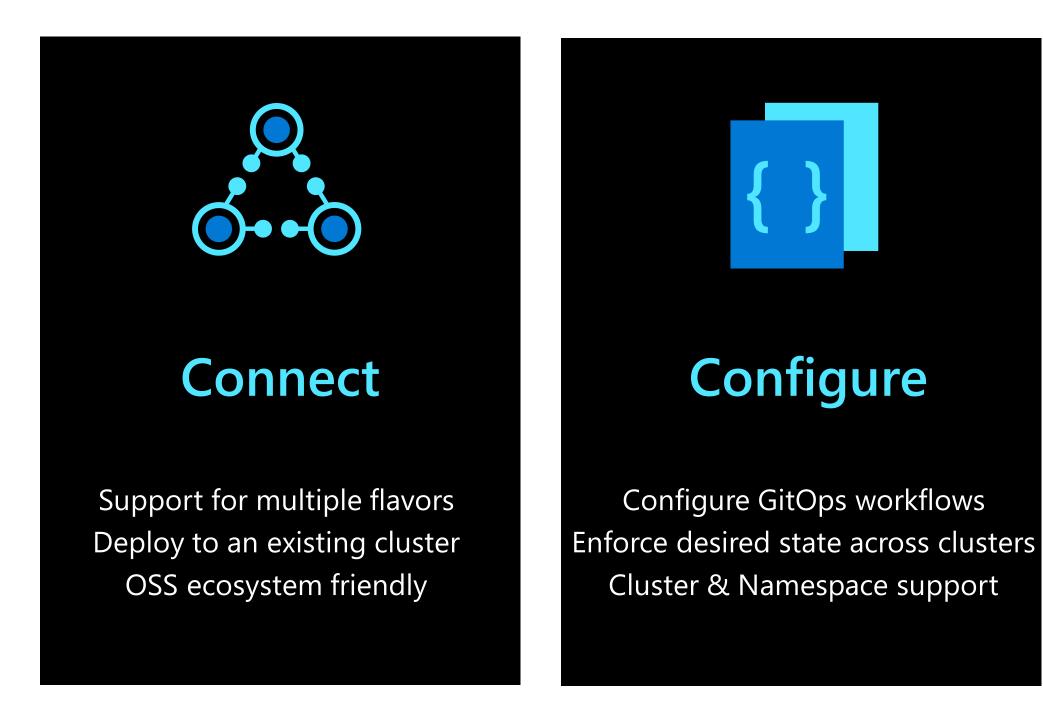


ARC enabled Kubernetes





Azure Arc enabled Kubernetes





OpenShift

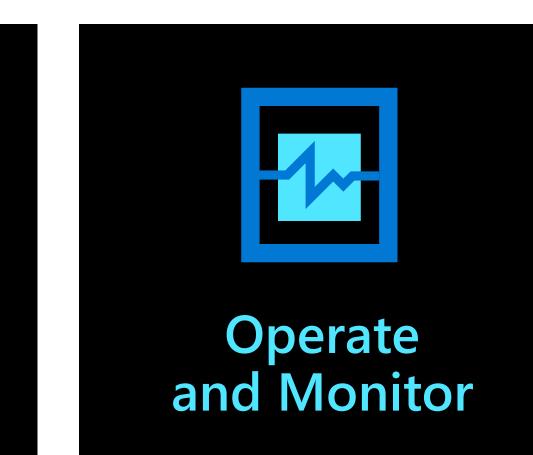


kubeadm



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Connect, manage, and operate Kubernetes clusters and applications running anywhere using Azure Arc



Azure Monitor Integration Health status reporting Cluster & App observability



Govern and Secure

Built-in Azure Policies Cluster security baseline Role-Based Access Control Compliance across environments

Any infrastructure, any Kubernetes







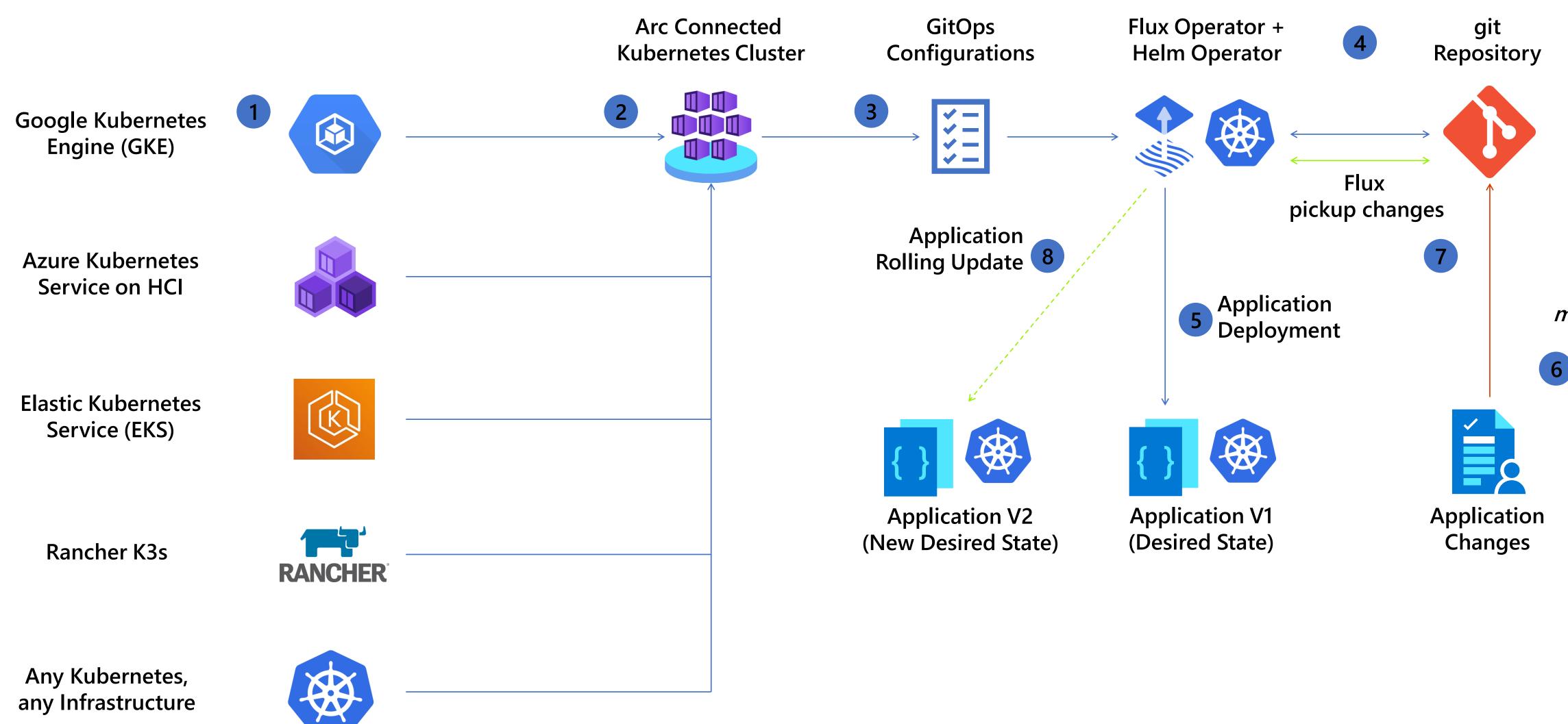
EKS

GKE

VMware Tanzu



DotNet2021 Azure Arc enabled Kubernetes GitOps Flow







ARC enabled Kubernetes Demo





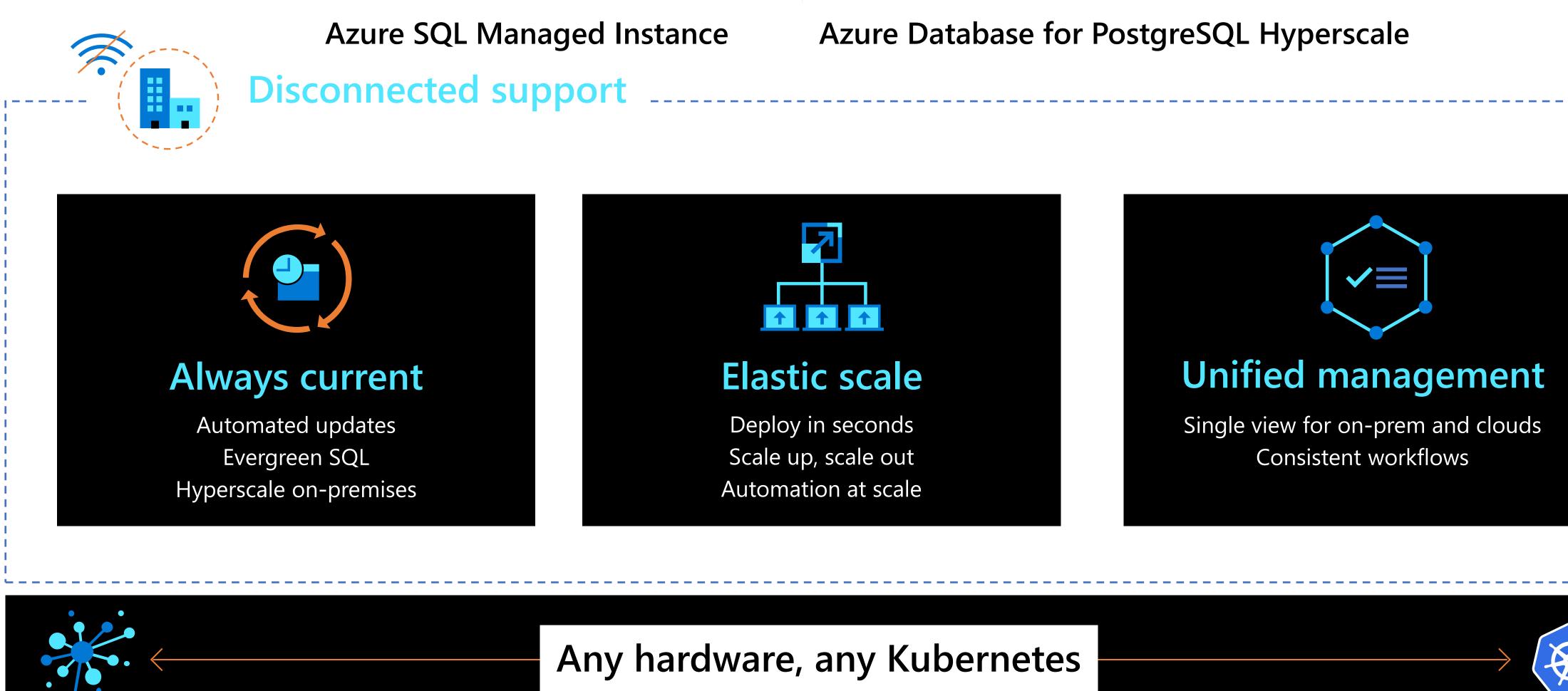
ARC enabled data services





Azure Arc enabled data services

Bring Azure data services to on-premises, multi-cloud, and edge

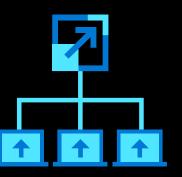


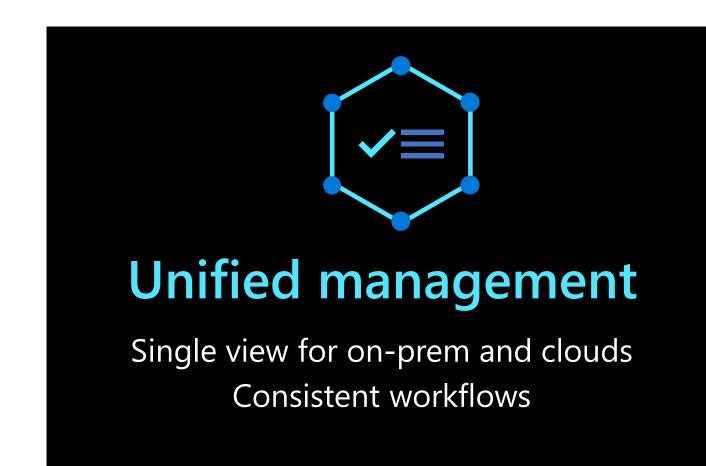
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Azure Database for PostgreSQL Hyperscale













ARC enabled application services



App Service

Quickly build, deploy, and manage web apps and APIs in any environment



Functions

anywhere



Logic Apps

Connect apps, data, and devices anywhere



API Management

Manage APIs across all environments



Event Grid

Manage routing of all events from any source to any destination

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Build event-driven apps with built-in bindings and deploy the same code







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