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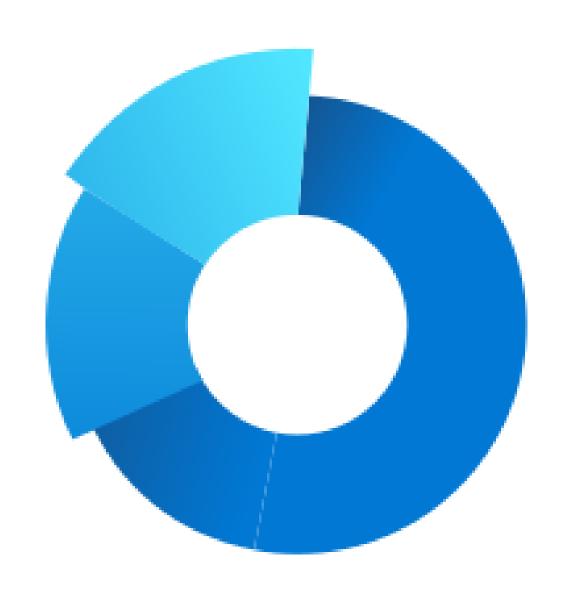
**Does** Advocate, Speaker, Mentor, Architect

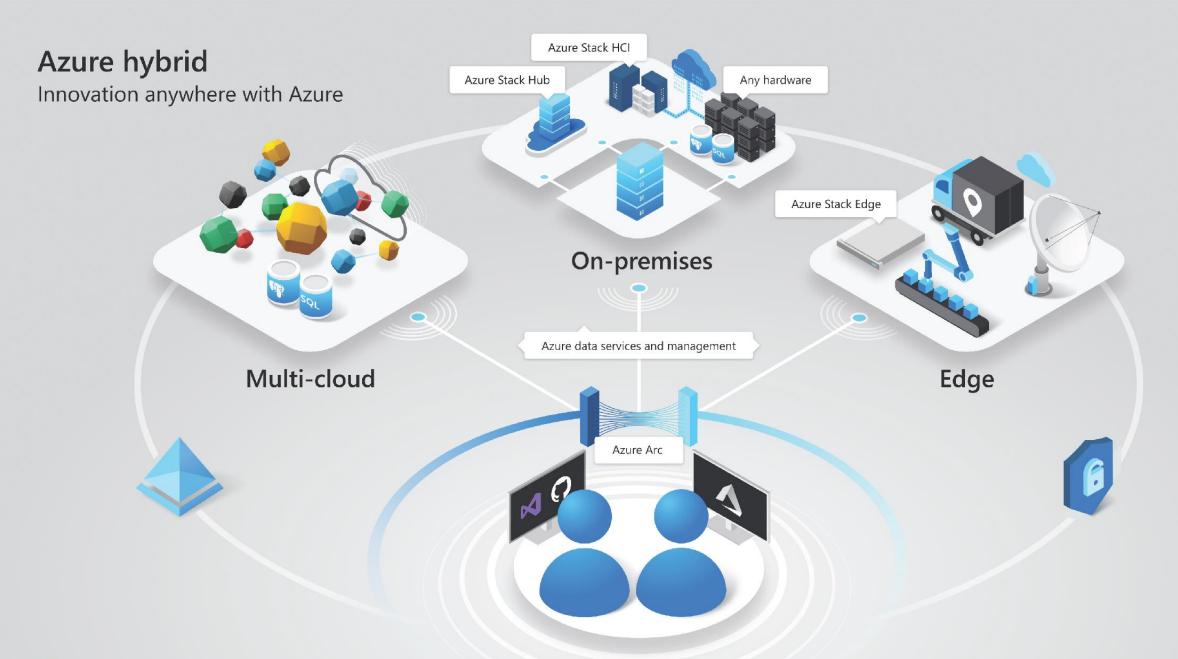
**Likes** Cool Cloudy Things











Bring Azure services and management to any infrastructure



Run Azure data services anywhere



Extend Azure management across your environments



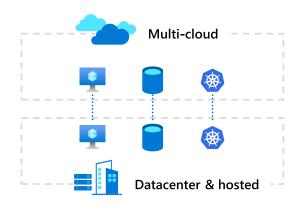
Adopt cloud practices on-premises



Implement Azure security anywhere

Azure Arc is a set of technologies that extends Azure management and enables Azure services to run across on-premises, multi-cloud, and edge.

#### Customer use cases





#### Organize and govern across environments

Get Kubernetes clusters and servers that are sprawling across clouds, datacenters and edge under control by centrally organizing and governing from a single place.

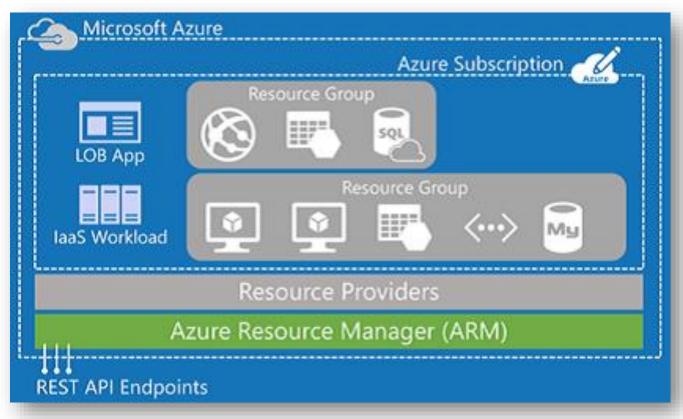
#### At-scale Kubernetes app management

Deploy and manage Kubernetes applications at scale across environments using DevOps techniques. Ensure that applications are deployed and configured consistently from source control, at scale.

## Run data services anywhere

Deploy and manage data services where you need it for latency or compliance reasons. Always use the most current technology and seamlessly manage and secure your data assets across on-premises, clouds and edge.

#### What Arc really is

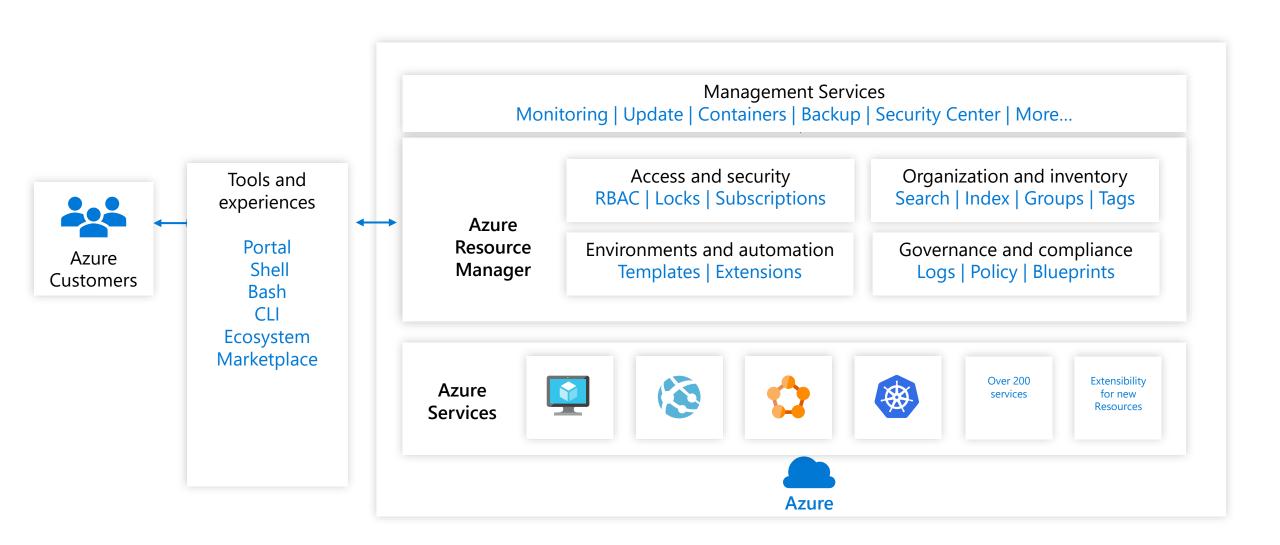


- The Control Plane is ARM
- · Resources provisioned by Resource Provider
- Extends RP's outside of Azure
- Add RP of "HybridCompute"
- Uses agent
- Once consumed, resource is extended

Image credit: Rick Rainey

#### **Azure Management**

#### Single Control Plane for Azure resources



# Setting up Servers

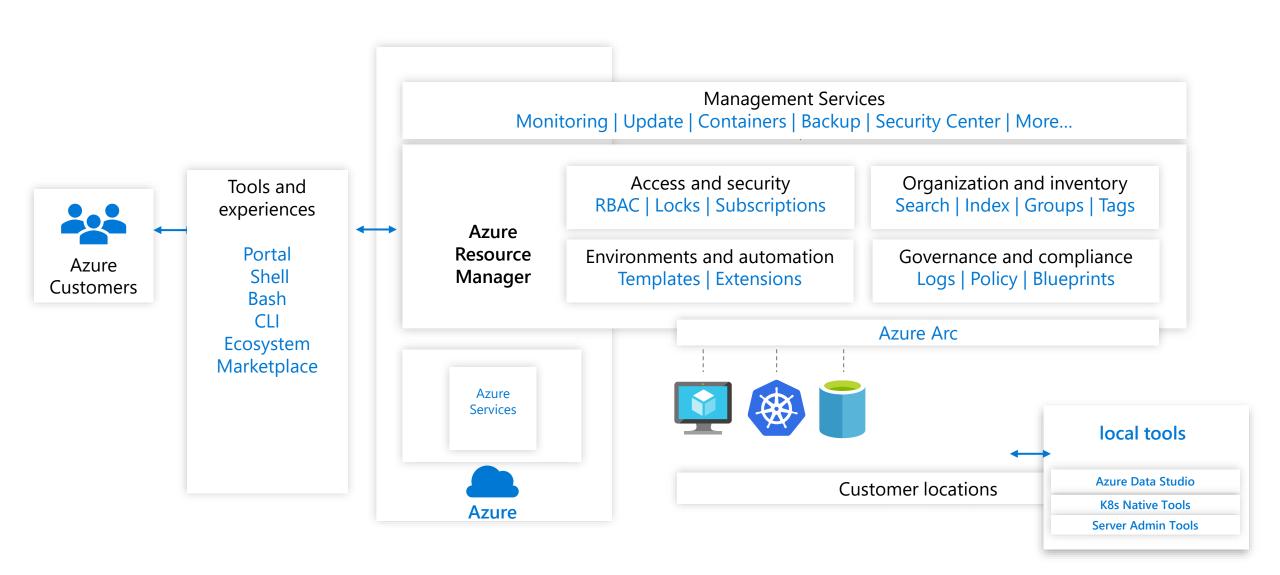


- Windows 2012 R2 and newer
- Ubuntu 16.04/18.04

- Ensure 443 outbound &
- Azure endpoints accessible
- Register RP's in subscription
- Connect via script/CLI/WAC
- Register machine
- \*Extra: Add OMS agent

#### **Azure Management**

Single Control Plane for resources everywhere



# Azure data services anywhere

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



#### Always current

Automated updates
Evergreen SQL
Hyperscale on-premises



## Elastic scale

Deploy in seconds
Scale up, scale out
Automation at scale



# Unified management

Single view for on-prem and clouds
Use familiar tools



## Unmatched security

Advanced Data Security
Azure Policy
Role-based Access Control



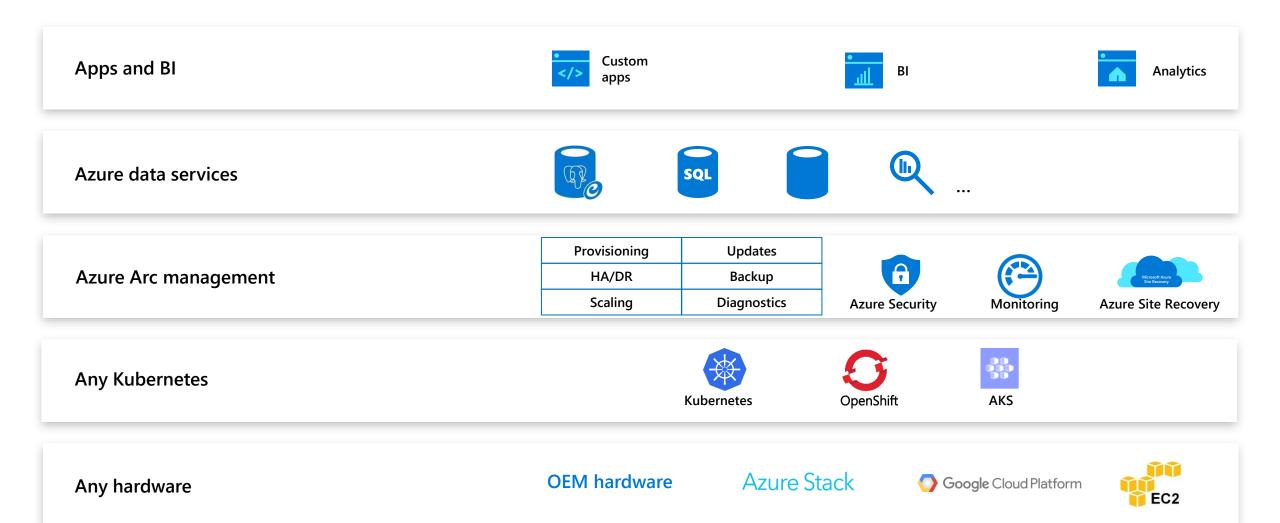
# Cloud billing

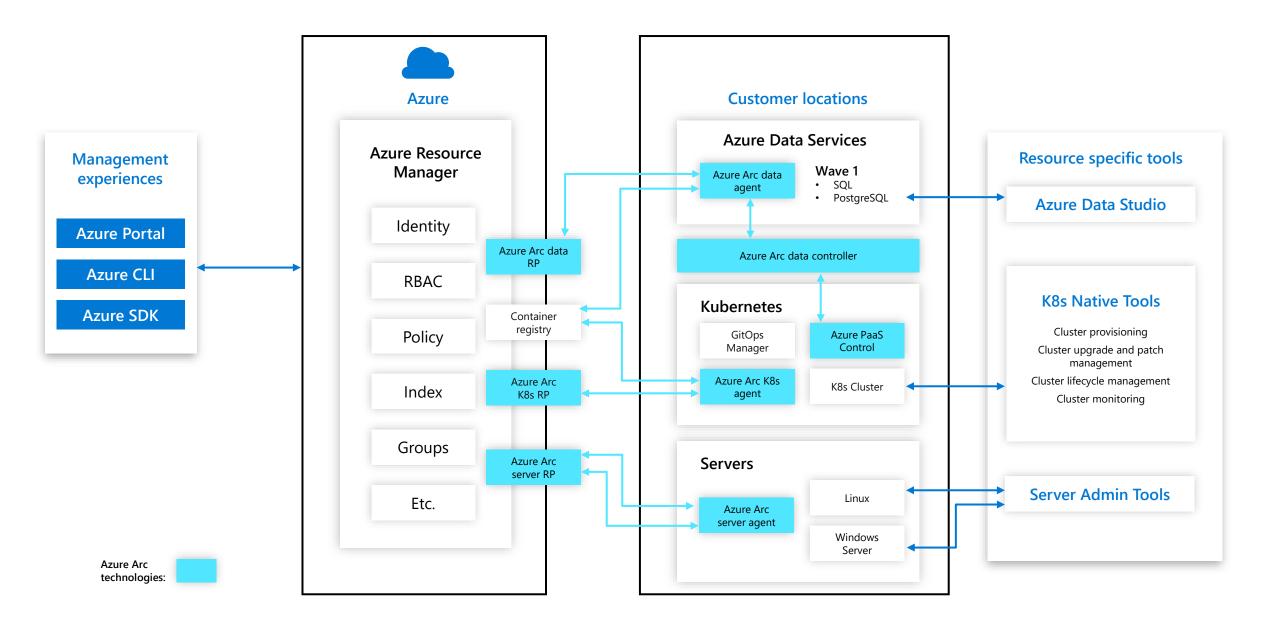
Cloud billing on-premises
Cost efficiency



\*

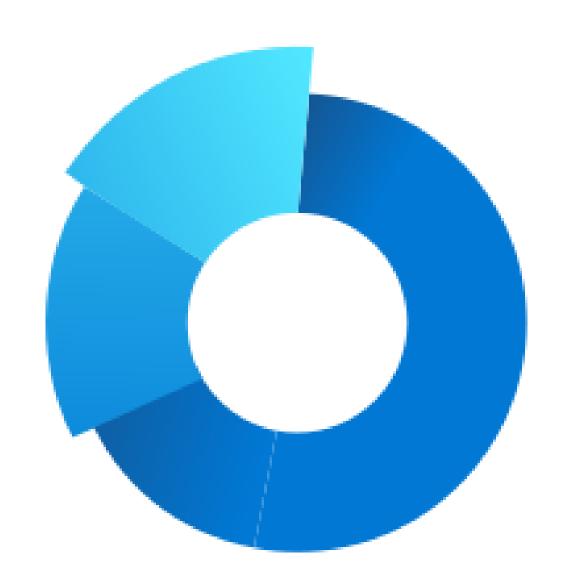
#### Azure data services anywhere at a glance





# The Possibilities

- Automation
- Cost management
- Security
- Backup/Restore/DR/DRaaS
- Key Vault
- ATP
- VMware Cloud
- ...and more



# Demos