

Azure Overview

Crystal Tenn
Crystal.Tenn@microsoft.com

Unique point of view: cloud is a model, not just a place

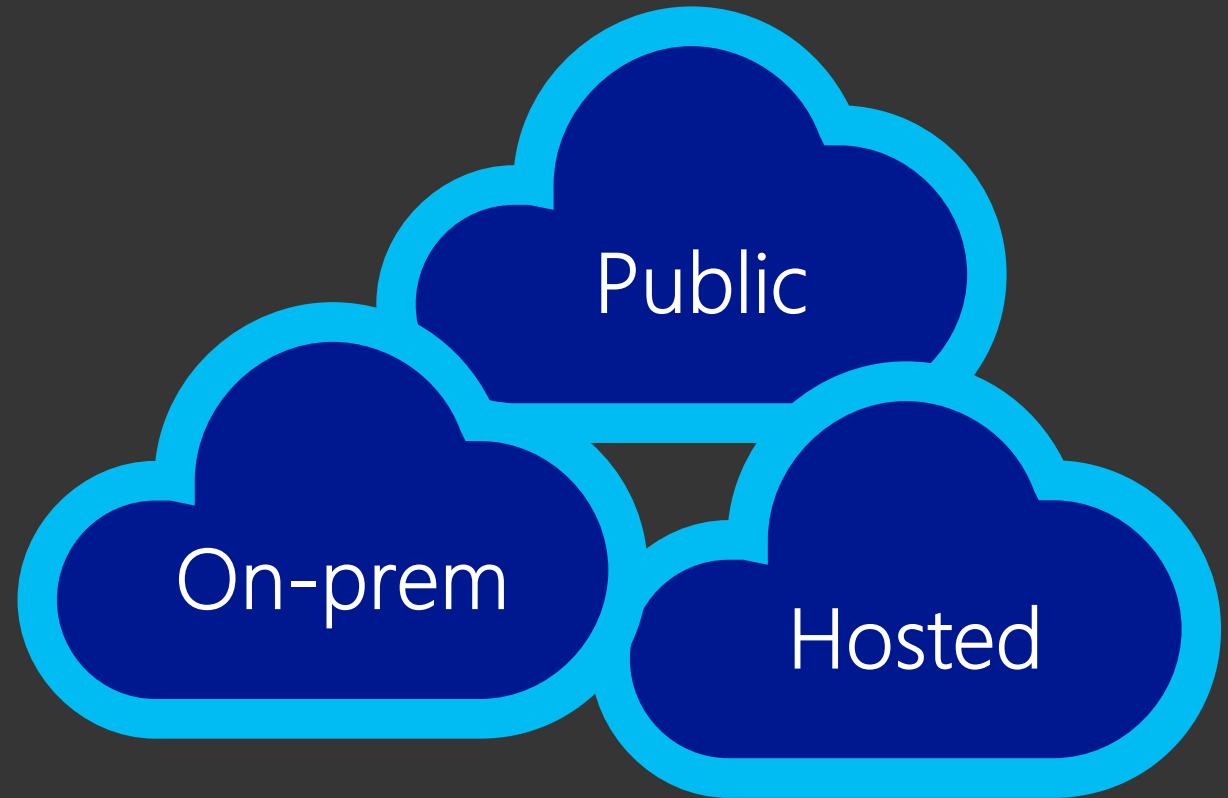
Cloud model is geared for speed


Developers have a critical business role

Services and apps create new complexity

Server is no longer the center point

App is king—app data is business data





Azure is Global. Trusted. Hybrid.

This is the cloud on your terms

- Azure Environments

- Identity
- Subscriptions
- Marketplace
- Scale

- Azure Model

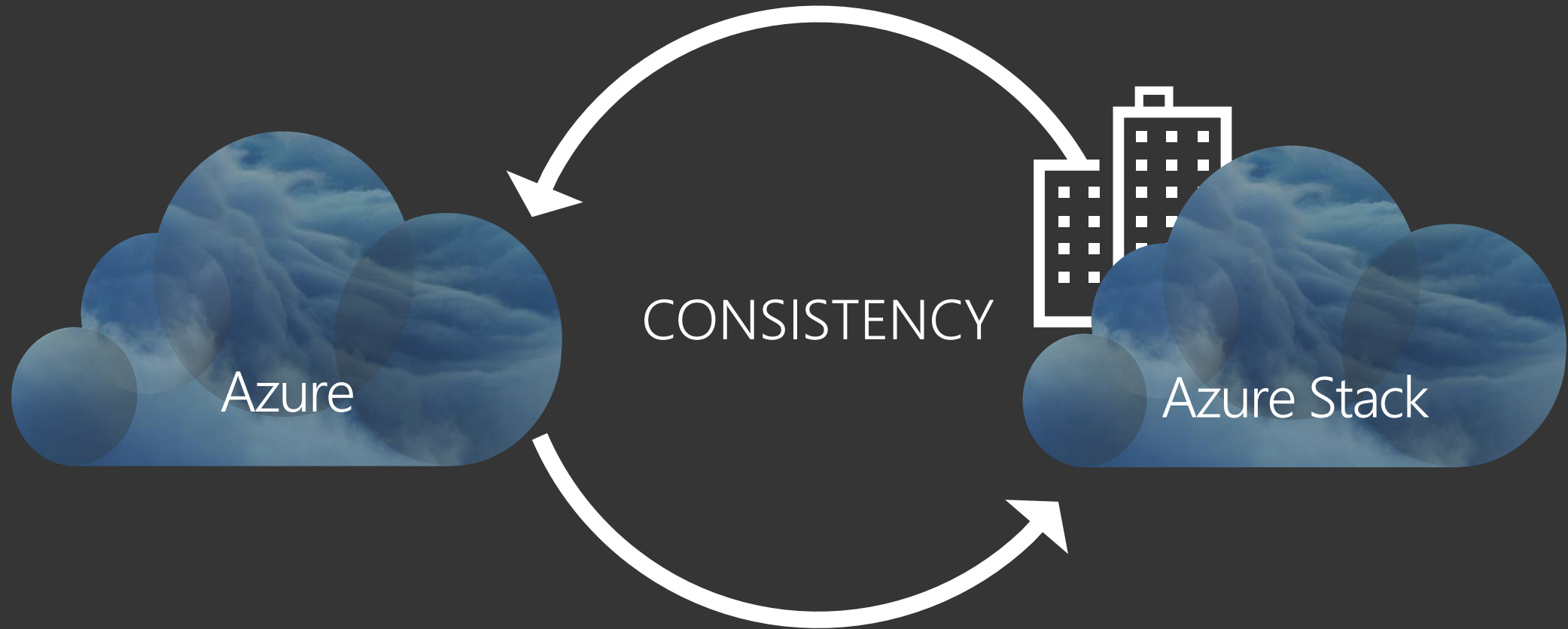
- Azure Resource Model
- Provider Namespaces
- Resource Types
- Versioning

Azure Tooling

PowerShell
Cross Platform CLI
Visual Studio
Visual Studio Code

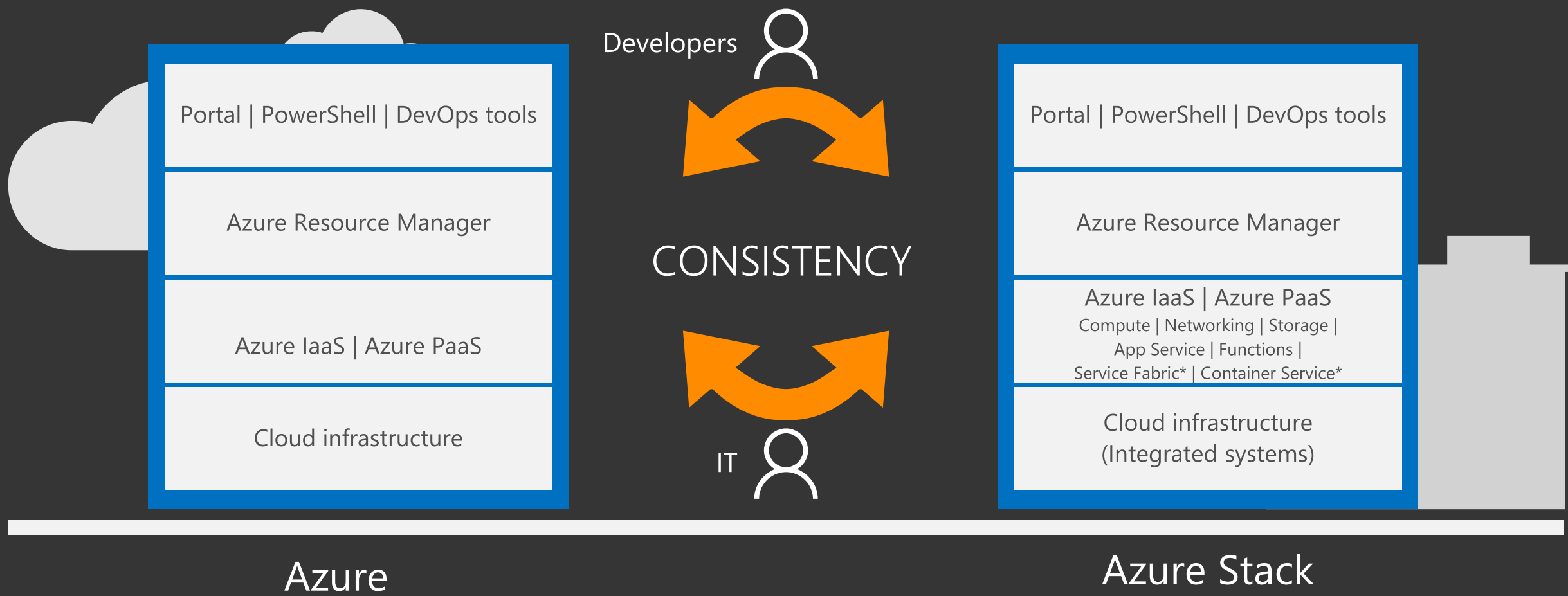
Azure and Azure Stack

Truly consistent hybrid cloud platform



Azure and Azure Stack

Truly consistent hybrid cloud platform



* - Post GA

Azure Resource Manager

Deploy App Resources



Organize Resources



Control Access to Resources



Azure Resource Manager



Portal



Azure CLI



PowerShell



Client Libraries



Visual Studio

AZURE RESOURCE MANAGER API

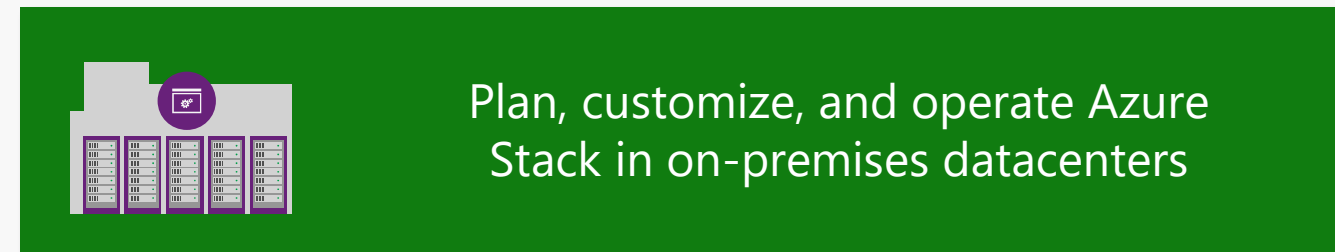
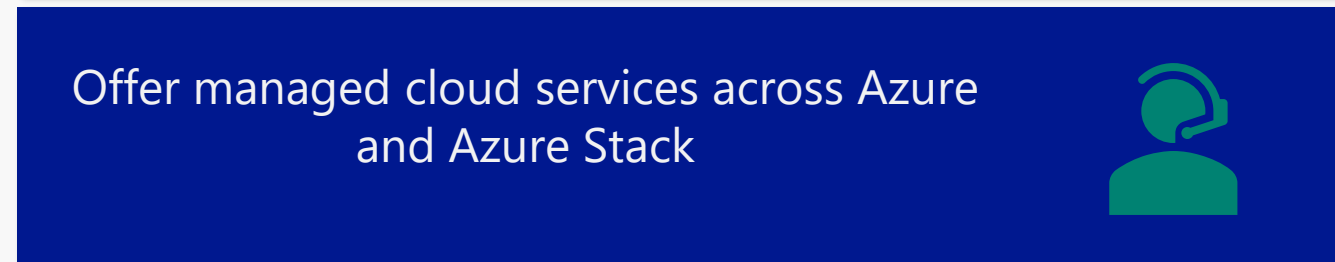
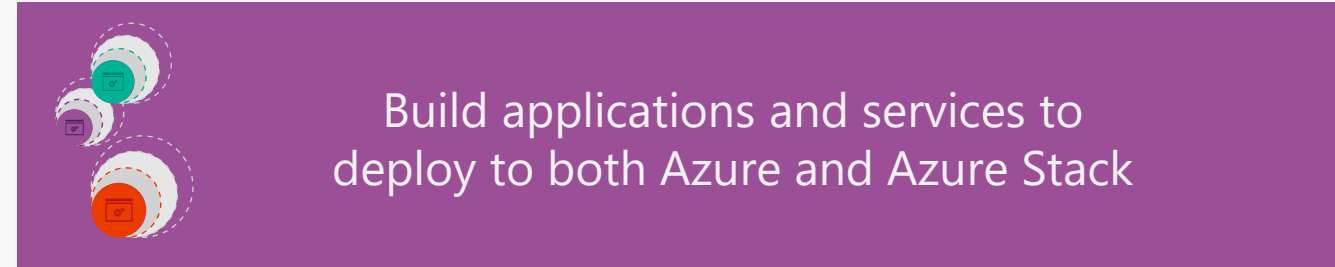
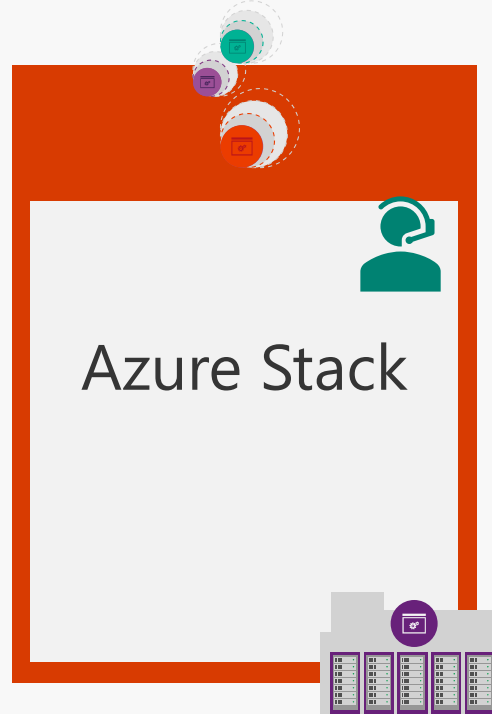
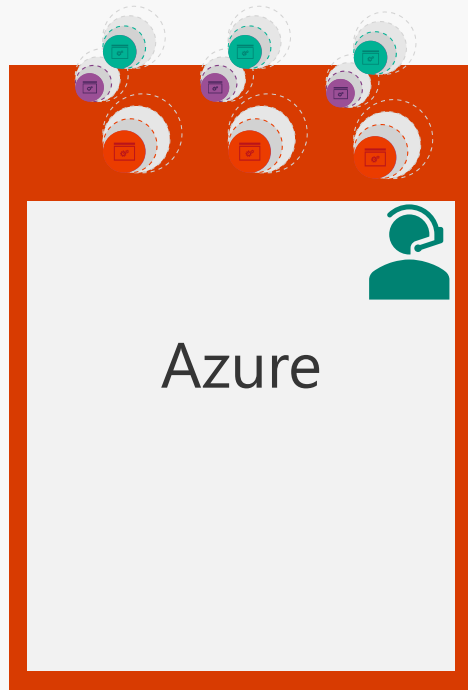
AZURE RESOURCE MANAGER

AZURE SERVICES



whitepaper <http://aka.ms/GettingStartedWithARM>

Azure Stack ecosystem opportunities



Challenges for customers

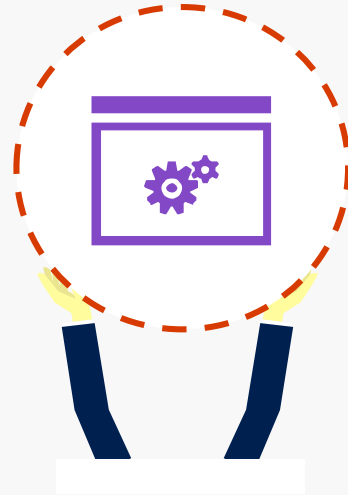
Meeting customer needs can be difficult



Additional cloud platform functionality is required to meet business and technical needs



Discovering the right application or service is often problematic



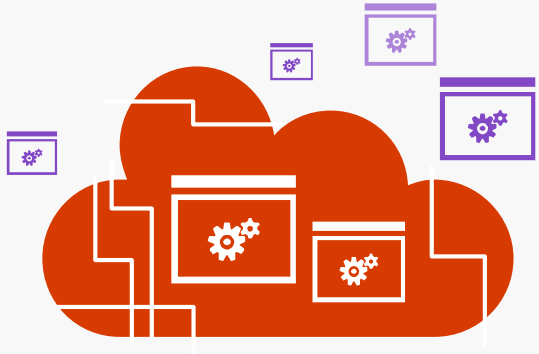
A scalable deployment mechanism is required for third party applications and services



New applications and services must integrate and work with existing solutions

Azure Marketplace is the answer

The Marketplace can help address customer challenges



Growing portfolio of complementary applications and services on Azure



Provides a one-stop shop to discover, search for, and purchase applications and services



Configure and create scalable deployments of third party applications and services



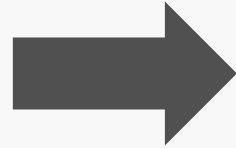
Third party applications and services can be easily integrated with existing solutions on Azure

Azure marketplace



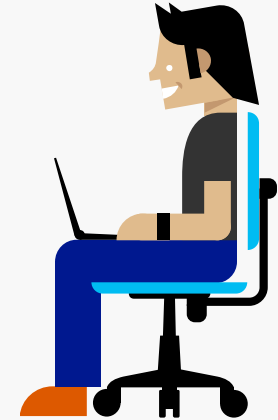
ISV

- Publish to Azure Marketplace



Cloud Administrator

- Subscribe to Azure Marketplace Items
- Download items
- Add custom content
- Publish items to customers



End Customer

- Deploy and use items from local marketplace

Azure App Service



A cloud app platform for delivering modern enterprise apps across cloud and mobile devices.

An integrated offering that delivers features and capabilities from a number of existing Azure services

Enterprise
Grade Apps

Fully
Managed
Platform

High
Productivity
Development

Azure App Service Environment services



=



Web apps

Web apps that scale with your business



Mobile apps

Build mobile apps for any device



Functions

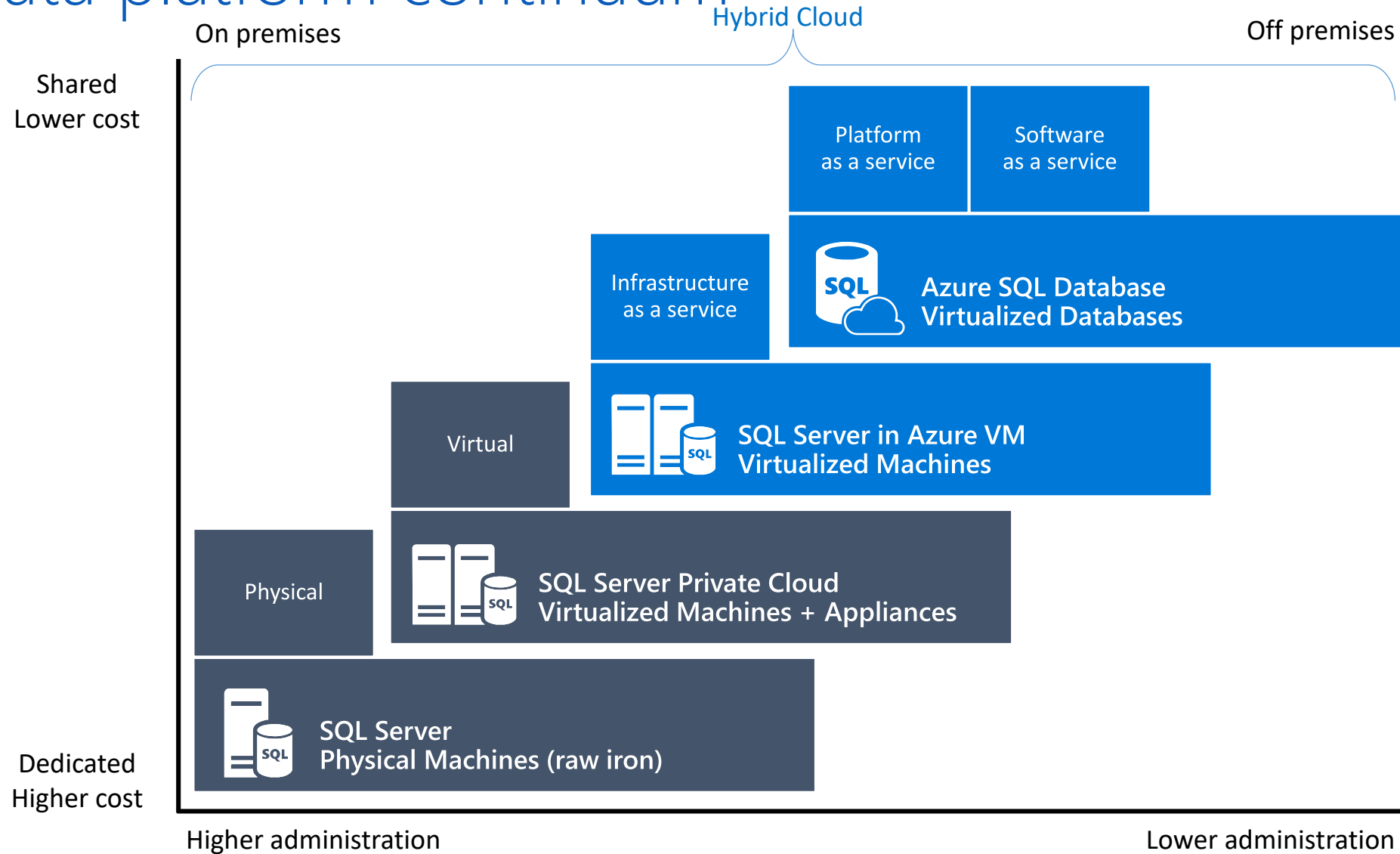
Serverless event based development accelerator



API apps

Easily build and consume APIs in the cloud

Data platform continuum



CLI – What is it?

- The Azure CLI is a set of open-source, cross-platform commands for working with Azure resources.
 - Available to use on macOS, Linux, and Windows.
- Optimized for managing and administering Azure resources and building automation scripts.
- Commands for availability of the vm, acs, storage and network.



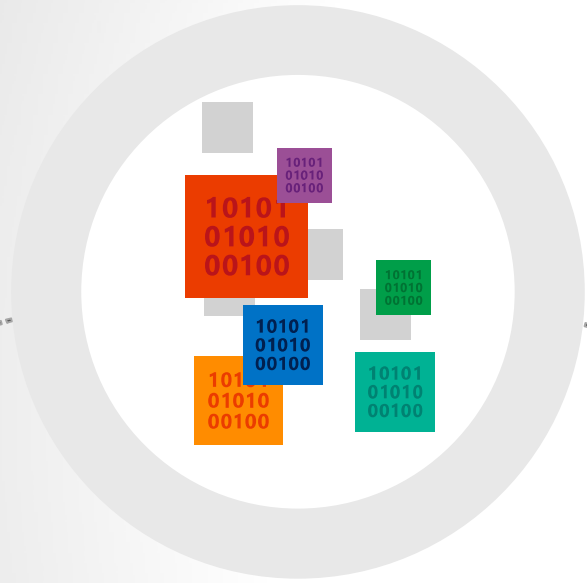
Azure PowerShell

- ✓ Azure PowerShell is designed for managing and administering Azure resources from the command line, and for building automation scripts that work against the Azure Resource Manager.



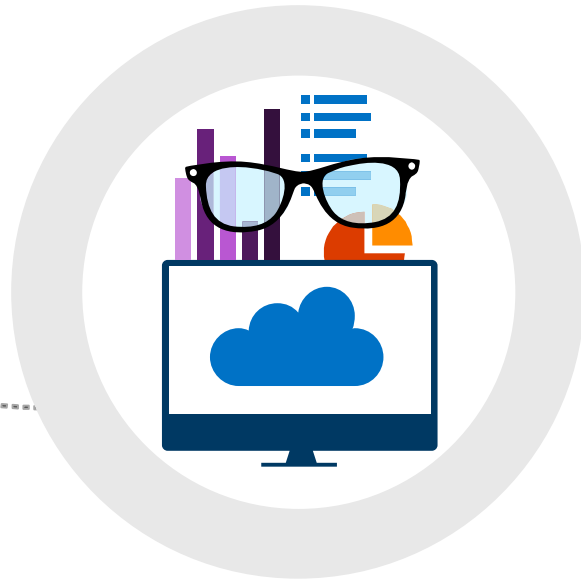
ARM Templates

When the solution is put together, it can be packaged for simpler deployment



What are ARM templates

- JSON files that describe parameters, variables and resources to deploy in Azure
- Briefly describe parameters and variables



Azure Resource Management Templates allow for the creation of many things in Azure

- VM, ASP, Storage, etc.
- Not all Services support ARM



ARM Templates can do a lot but not everything, for eg:

- Can create a storage account, but not storage containers
- Can create SQL servers, but not tables

Demo

Azure Portal



Thank you!