



Intro to Azure

Microsoft Services



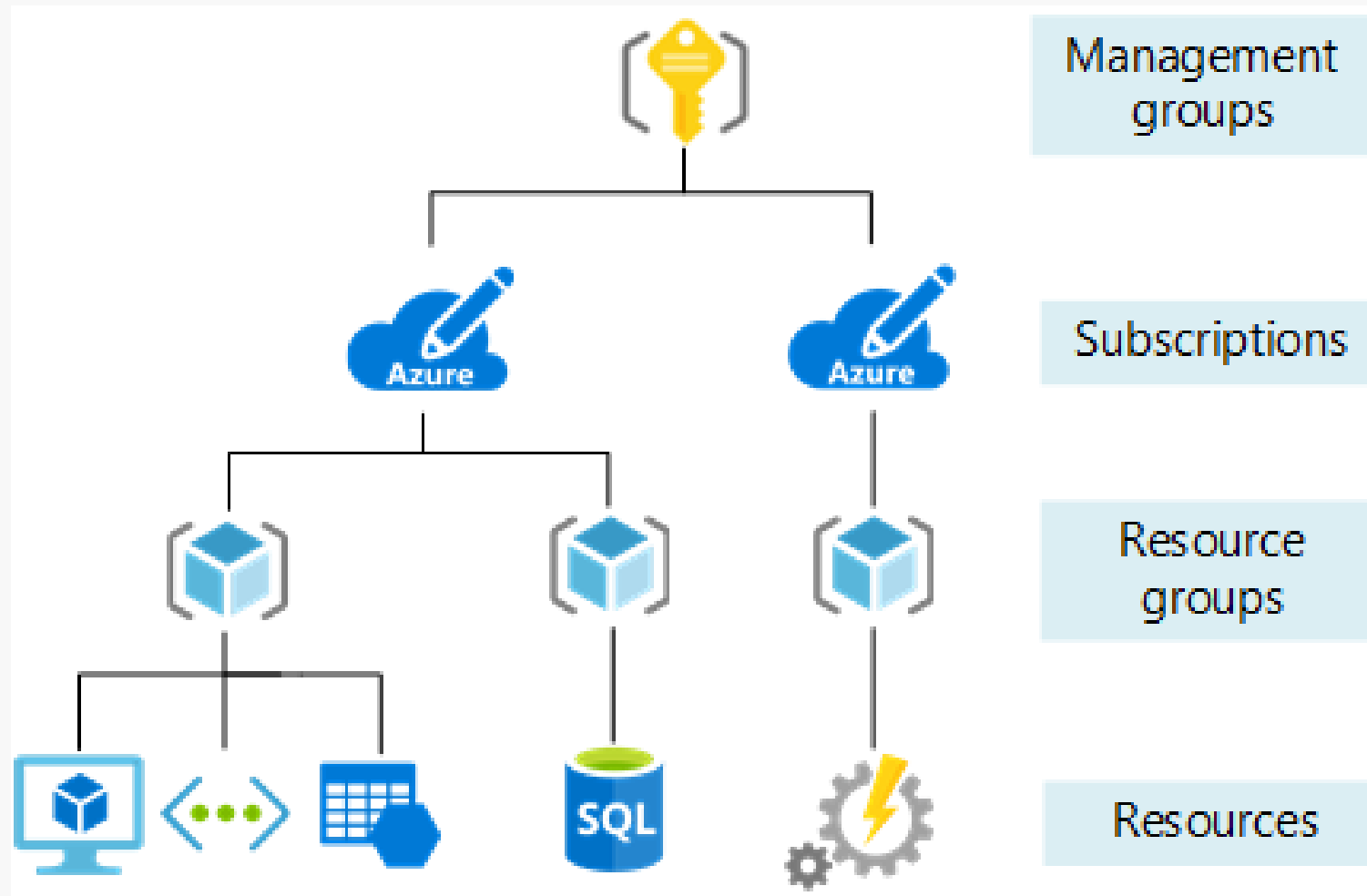
What is Azure? What is “the cloud”?

50 regions
worldwide

140 available in
140 countries



Azure Architecture



Resource Example: App Services



Web Apps

Build and deploy web apps faster at scale



Web App for Containers

Deploy and run containerized web apps



Mobile Apps

Build mobile apps for any device

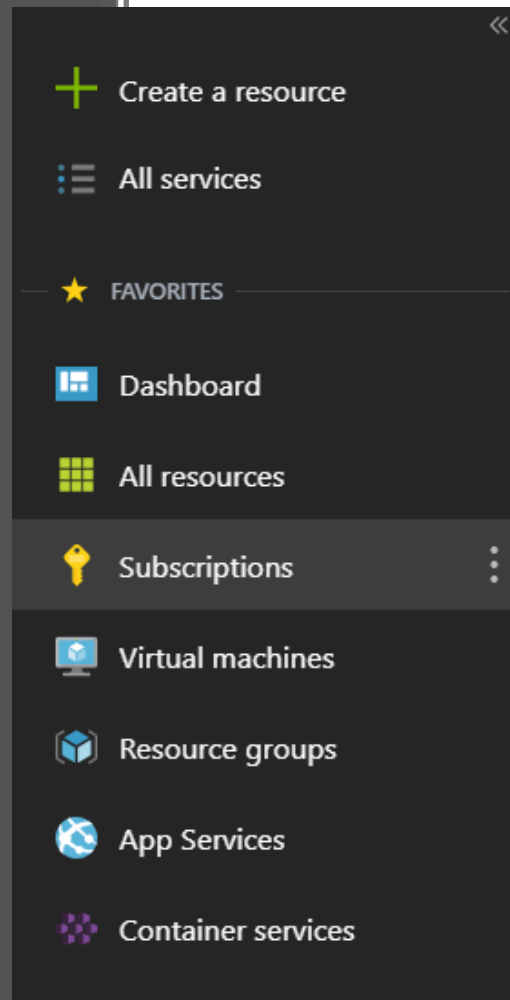


API Apps










Easily build and consume APIs

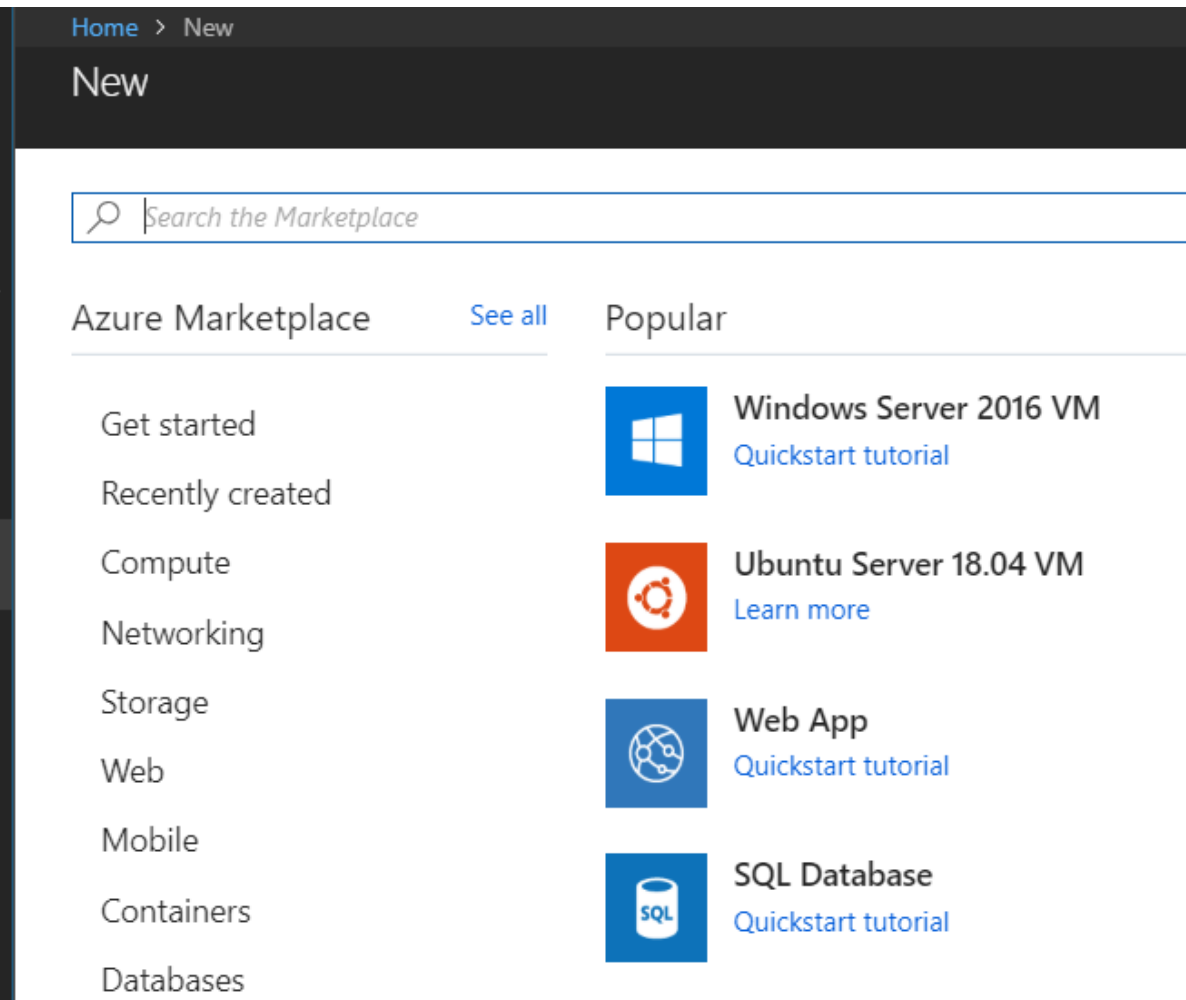
How do I create **resources**?

Creating Resources: Azure Portal!



The screenshot shows the left-hand navigation menu of the Azure Portal. It features a dark background with white text and icons. The menu items are as follows:

-  Create a resource
-  All services
- FAVORITES**
-  Dashboard
-  All resources
-  Subscriptions
-  Virtual machines
-  Resource groups
-  App Services
-  Container services







The screenshot shows the 'New' page in the Azure Portal. The breadcrumb navigation at the top reads 'Home > New'. Below this is a search bar with the placeholder text 'Search the Marketplace'. The page is divided into two main sections: 'Azure Marketplace' and 'Popular'.

Azure Marketplace

- Get started
- Recently created
- Compute
- Networking
- Storage
- Web
- Mobile
- Containers
- Databases

Popular

-  **Windows Server 2016 VM**
[Quickstart tutorial](#)
-  **Ubuntu Server 18.04 VM**
[Learn more](#)
-  **Web App**
[Quickstart tutorial](#)
-  **SQL Database**
[Quickstart tutorial](#)

Creating Resources: Command Line

- Azure CLI
- PowerShell
- Azure Portal Command Line

Creating Resources: ARM Templates

- JSON template for
- Can utilize in the VSTS CI/CD Process
- Free Quickstart Library here: <https://azure.microsoft.com/en-us/resources/templates/>

JSON

 Copy

```
{
  "$schema": "http://schema.management.azure.com/schemas/2015-01-01/deploymentTemplate.json#",
  "contentVersion": "",
  "parameters": {  },
  "variables": {  },
  "functions": {  },
  "resources": [  ],
  "outputs": {  }
}
```

Demonstration: *Azure Intro*

Settings

Explain Subscriptions, Resource Groups, and Resources in the Portal

ARM Templates

Azure Portal Command Line



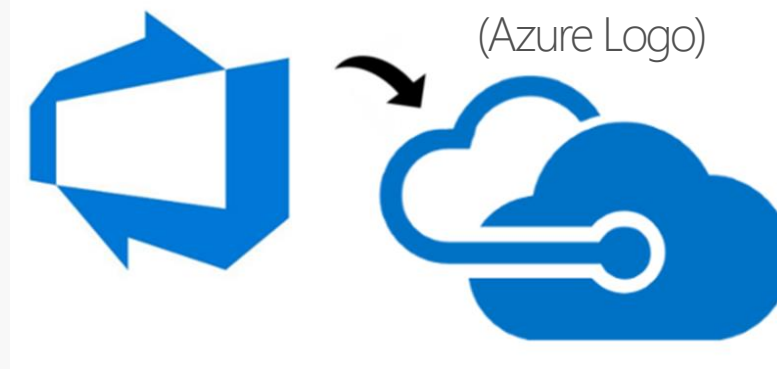
Workflow:

How do I get the **code** into the **resource**?

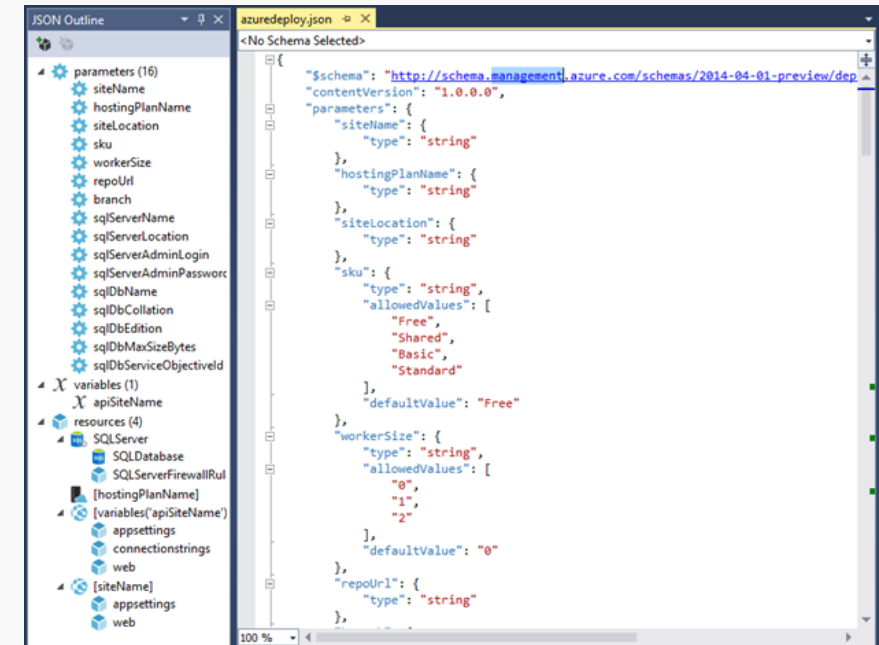
Many ways to get your code into your resources:



(VSTS Logo)



(Azure Logo)



<https://docs.microsoft.com/en-us/azure/app-service/app-service-deploy-zip>

tl;dr Summary – Azure

- You create **resources** on Azure.
- You fill **resources** with your app code base or SQL table data, etc.!
- A **resource** could be a web app, API app, SQL DB, or many things!
- A **resource** goes inside a **resource group**.
- Usually a **resource group** holds everything needed for 1 app in 1 environment (develop – web app + api + DB).
- Many **resource groups** filled with **resources** go into a company's subscription.

Demonstration: *Azure SQL*

Deploy an Azure SQL Server and Database

Connect to Azure SQL using SSMS



Thank you!