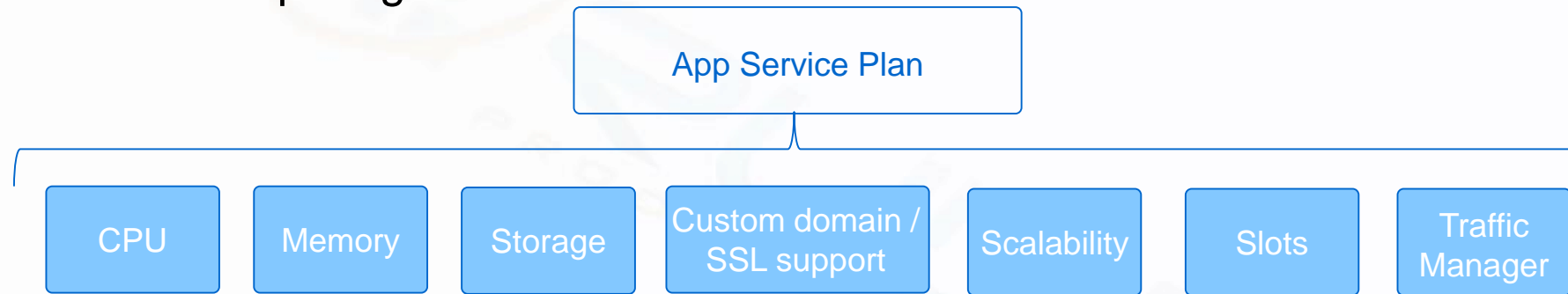


App Service plan overview

App service plan

- An App Service plan represents set of features and capacity that you can share across multiple apps in same subscription and geographical region. One or more apps can be configured to run on the same computing resources



- Each App Service plan defines:
 - Region (West US, East US, etc.)
 - Number of VM instances
 - Size of VM instances (Small, Medium, Large)
 - Pricing tier (Free, Shared, Basic, Standard, Premium, PremiumV2, Isolated, Consumption)

App service plan – Pricing tiers

- **Shared compute:** **Free** and **shared**, the two basic tiers, runs an app on the same Azure VM as other App Service apps, including apps of other customers.
- **Dedicated compute:** The **Basic**, **Standard**, **Premium**, and **PremiumV2** tiers run apps on dedicated Azure VMs. Only apps in the same App Service plan share the same compute resources.
- **Isolated:** This tier runs dedicated Azure VMs on dedicated Azure Virtual Networks, which provides network isolation on top of compute isolation to your apps
- **Consumption:** This tier is only available to function apps. It scales the functions dynamically depending on workload.

App service plan – Environment features



- **Development frameworks:** App Service supports a variety of development frameworks, including **ASP.NET, classic ASP, node.js, PHP and Python** - all of which run as extensions within IIS.
- **File access**
 - **Local drives** – Operating system drive (D:\ drive), an application drive and a user drive (the C:\ drive)
 - **Network drives** - Each customer's subscription has a reserved directory structure on a specific UNC share within a data center.
- **Network access**
 - Application code can use TCP/IP and UDP based protocols to make outbound network connections to Internet accessible endpoints that expose external services.

Web apps overview

- Azure App Service Web Apps (or just Web Apps) is a service for hosting web applications
- Key features of App service Web Apps
 - Multiple languages and frameworks
 - DevOps optimisations
 - Security & Compliance – App Service is ISO, SOC, and PCI complaint
 - Application templates
 - Visual studio integration