**Azure containers**

* If you want to run multiple instances of an application on a single host machine, containers are an excellent choice.
* Containers are a virtualization environment. Much like running multiple virtual machines on a single physical host, you can run multiple containers on a single physical or virtual host.
* Unlike virtual machines, you don't manage the operating system for a container.
* Containers are lightweight and designed to be created, scaled out, and stopped dynamically.
* One of the most popular container engines is Docker, and Azure supports Docker.

**Azure Container Instances**

* Azure Container Instances offer the fastest and simplest way to run a container in Azure.
* Azure Container Instances are a platform as a service (PaaS) offering.
* Azure Container Instances allow you to upload your containers and then the service will run the containers for you.

**Azure Container Apps**

* Azure Container Apps are similar in many ways to a container instance. They allow you to get up and running right away, they remove the container management piece, and they're a PaaS offering. Container Apps have extra benefits such as the ability to incorporate load balancing and scaling. These other functions allow you to be more elastic in your design.

**Azure Kubernetes Service**

* Azure Kubernetes Service (AKS) is a container orchestration service. An orchestration service manages the lifecycle of containers. When you're deploying a fleet of containers, AKS can make fleet management simpler and more efficie