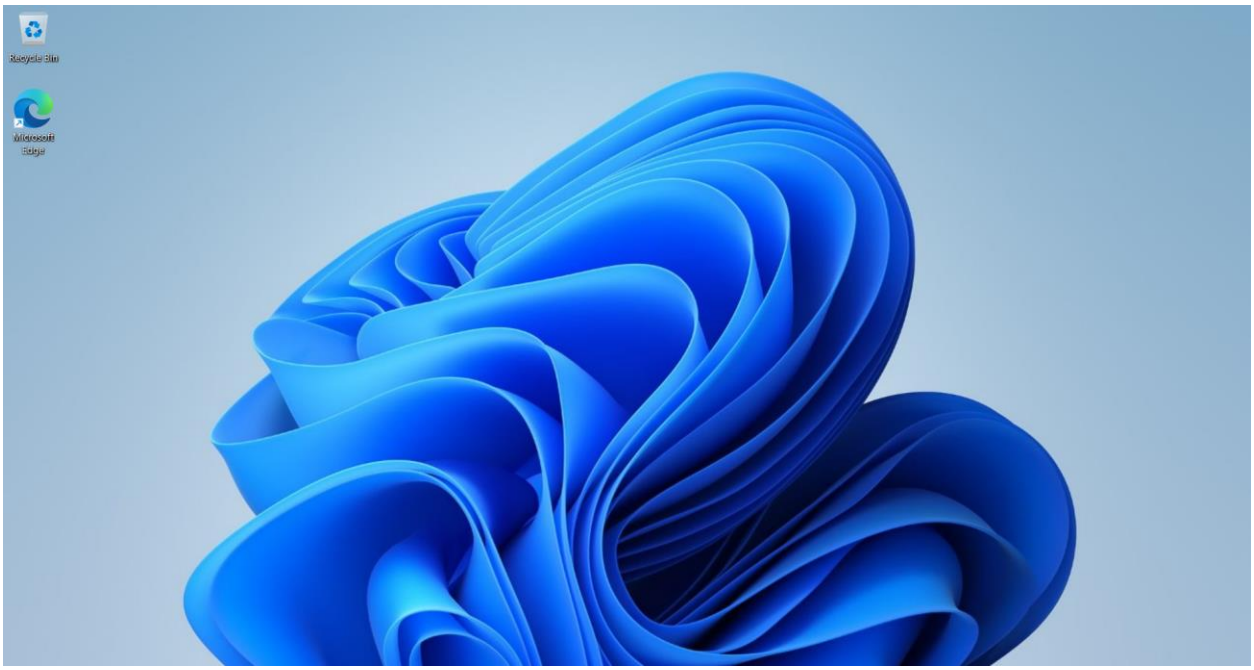
Day 44

Creating a Virtual Machine:



App Service:

Azure App Service is an HTTP-based service for hosting web applications, REST APIs, and mobile back ends. You can develop in your favorite language, be it .NET, .NET Core, Java, Node.js, PHP, or Python. Applications run and scale with ease on both Windows and Linux-based environments.

App Service adds the power of Microsoft Azure to your application, including improved security, load balancing, autoscaling, and automated management. Additionally, you can take advantage of its DevOps capabilities, such as continuous deployment from Azure DevOps, GitHub, Docker Hub, and other sources, package management, staging environments, custom domains, and TLS/SSL certificates.

Difference Between Virtual Machine and WebApp

The difference between a virtual machine (VM) and a web app (web application) lies in their purposes and how they operate:

Virtual Machine (VM)

- Definition: A VM is an emulation of a physical computer, running an operating system and applications as if it were a separate physical machine.
- Purpose: Used for virtualization, allowing multiple operating systems to run on a single physical server. VMs are often used for testing, development, and running applications in isolated environments.
- Components: Includes a hypervisor, which manages the VM's resources (CPU, memory, storage) and can run multiple VMs on a single host.
- Examples: VMware, VirtualBox, and Microsoft Hyper-V.

Web Application (Web App)

- Definition: A web app is an application that runs on a web server and is accessed through a web browser over the internet or an intranet.
- Purpose: Designed for user interaction and functionality over the web, allowing users to perform tasks like data entry, communication, or content management.
- Components: Typically includes front-end technologies (HTML, CSS, JavaScript) and back-end services (APIs, databases) to manage data and business logic.
- Examples: Google Docs, Facebook, and e-commerce platforms.

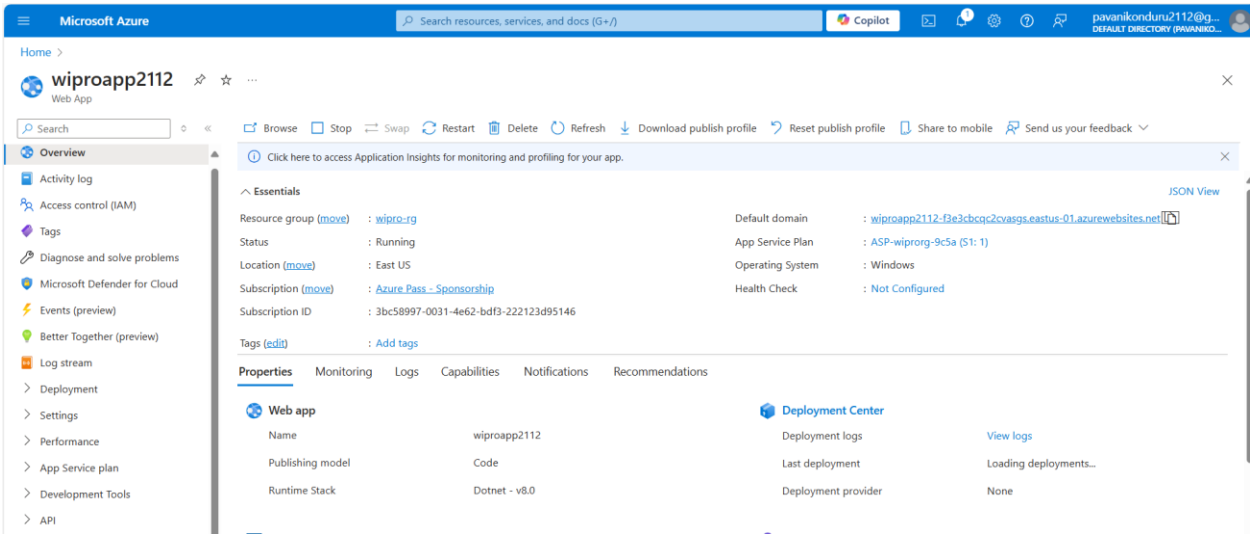
Key Differences

1. Functionality:
    - VMs are about simulating hardware and environments.
    - Web apps are about providing interactive services over the internet.
2. Use Cases:
    - VMs are often used for server consolidation, testing, and development.

- Web apps are used for end-user applications like email, productivity, and social media.

3. Access:
    - VMs are usually accessed through remote desktop protocols or management interfaces.
    - Web apps are accessed via web browsers from various devices.

Creating a WebApp:



https://wiproapp2112-f3e3cbcqc2cvasgs.eastus-01.azurewebsites.net

Microsoft Azure

Your web app is running and waiting for your content

Your web app is live, but we don't have your content yet. If you've already deployed, it could take up to 5 minutes for your content to show up, so come back soon.

Supporting Node.js, Java, .NET and more

Haven't deployed yet?
Use the deployment center to publish code or set up continuous deployment.

Deployment center

Starting a new web site?
Follow our Quickstart guide to get a web app ready quickly.

Quickstart