**Azure Virtual Machine & Web Server Deployment – Project Documentation**

**Project Duration:** 2 Hours | **Platform:** Microsoft Azure

**Project Overview**

Deployed a secure **Nextcloud web server** on an **Ubuntu VM** in Azure, implementing:  
✔ **Networking:** Virtual Network (VNet), Subnet, NSG  
✔ **Security:** Azure Bastion (SSH without public IP)  
✔ **Accessibility:** Public IP, DNS Label, HTTPS

**Tasks & Achievements**

1. **Resource Group** – Logical grouping of Azure resources.
2. **Virtual Network & Subnet** – Isolated VM traffic.
3. **Network Security Group (NSG)** – Restricted inbound/outbound rules.
4. **Azure Bastion Deployment** – Secure SSH access.
5. **Ubuntu VM Creation** – Configured in a secured subnet.
6. **Nextcloud Installation** – Self-hosted file-sharing via SSH.
7. **Public IP & HTTPS** – Enabled web access.
8. **DNS Label** – Assigned a readable URL.

**Skills Demonstrated**

* **Azure Services:** VMs, VNets, NSGs, Bastion
* **Security:** SSH, Firewall Rules
* **Web Hosting:** Nextcloud (Apache, PHP)