

## Assignment Steps and Explanations

### 1.1. Creating an Azure Resource Group

- Logged into the Azure portal.
- Navigated to the "Resource Groups" section and created a new resource group.
- **Resource Group Name** : [SefaOzturk\_RG]
- **Location** : West Europe

### 1.2. Creating a Virtual Machine (VM)

- Navigated to the "Virtual Machines" section and created a new virtual machine.
- **Virtual Machine Name** : [sefaozturkVM]
- **Region** : West Europe
- **Operating System** : Windows (Windows Server 2019 Datacenter)
- **Machine Size** : Standard B1s (1 vCPU, 1 GiB memory)
- **Administrator Username**: [adminsefa]

### 1.3. Connecting to the Virtual Machine

- SSH connection for Linux and RDP connection for Windows were established.
- **Connection Method** : SSH (Linux) / RDP (Windows)

### 1.4. Creating and Mounting Azure File Share

- Navigated to the "Storage Accounts" section and created a new storage account.
- Added a new file share in the "File Shares" section.
- Connected to the virtual machine and integrated the file share.

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## 2. Issues Encountered and Solutions

<u>Issue</u>	<u>Solution</u>
SSH connection failed	Ensured that SSH (port 22) was open in the network security group.
File share could not be mounted	Used the correct SMB connection details.
RDP connection failed	Allowed RDP access in Windows Firewall.

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## 3. Conclusion and Evaluation

Through this assignment, I gained significant experience in **Azure Virtual Machine** and **Azure File Share** concepts. I learned practical skills in managing virtual machines, establishing SSH/RDP connections, integrating storage, and setting up basic web servers.