Migration Plan Document

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Network Design:

1) Used Azure as a way for us to implement and migrate our VM's.
2) Generated a key which will be used for when we access and create our Azure Migration VM.
3) Edited permissions in settings and used powershell/terminal to configure the VM.
4) Used Microsoft Entra to host a virtual server for the 3 VM's
5) Restrictions and limitations to our migration as a result of utilizing our student accounts

Access Control:

1) IAM Roles:
    - Kali Linux VM: granted user only reader access
    - Metasploitable VM: granted user only reader access
    - Windows 2022 VM: granted user only reader access
        - These processes will help ensure least privileged accounts

- Will give professor access and credentials only as a normal user

2) Security Groups:
    - Setting up practices such as firewalls to help prevent any malicious incoming traffic
    - Enforced principles of least privilege to help limit user access and provide only what's necessary to perform any needed action.
    - Each of the 3 VM's have their own security practices and protocols that reflect the needed action to become secure.

Through the process of our migration, we felt the need to secure each of the 3 VM's while providing limited access to what is needed. Users on Azure will only have privileges of a reader and the provided access will be of a regular user account.

Backup Strategy:

1) Use Azure Cloud Migration
    a) Before starting our VM for migration we will want to enable backups
    b) Use snapshots to ensure our VMs can be restored back to our previous state