

Security Controls in Azure with Kevin Apolinario

Tasks to complete

Set up a Virtual Machine in Azure Cloud

Create Active directory, setup a new user, and provide password reset permissions to the user

Setup Duo for log in

Setup Group Policy

1. Setup Azure account and create a Virtual machine

A. I started out by creating an azure account at https://azure.microsoft.com/en-us/pricing/purchase-options/azure-account/search?ef_id=k_EAAlaQobChMI5YGnl9XaiQMVlfUAR2PUAzvEAAYASAAEglnDPD_BwE_k_&OCID=AIDcmmfq865whp_SEM_k_EAAlaQobChMI5YGnl9XaiQMVlfUAR2PUAzvEAAYASAAEglnDPD_BwE_k_&qad_source=1&qclid=EAlaQobChMI5YGnl9XaiQMVlfUAR2PUAzvEAAYASAAEglnDPD_BwE.

B. After creating an account went to virtual machines and created a new machine.

C. VM Training1

Resource group(move) HANDLINGSECURITY

Status

Stopped

Location

West US 2 (Zone 1)

Subscription(move)

Azure subscription 1

Subscription ID ***

Availability zone

1

Operating system

Windows

Size

Standard D2s v3 (2 vcpus, 8 GiB memory)

Public IP address ***

Virtual network/subnet

Training1-vnet/default

DNS name

Not configured

Health state

Time created

11/13/2024, 10:38 PM UTC

User: Helpdesk

D. Connected to the Virtual Machine

2. Renamed the Server to TX-AD2016

3. Set up Active Directory

4. Installed Edge

5. Went to Duo and setup a free account. User Helpdesk, Setup user to use the duo app for authentication. Copied the download link to clipboard and ran inside of the Server. Setup using the integration key, secret key, and API hostname provided by Duo when the account was created.

6. Logged off the server and back into the server signing in with duo

7. Added new user Uncle David

8. Created new directory labeled OU

9. Created new directory under OU labeled Users

10. Moved Uncle David to shopify.local\OU\Users

11. Went to Group Policy Computer configurations – Policies – Windows settings – Security settings – Account policies – Account lockout policy and Adjusted account lockout duration 15 minutes, threshold 3, and counter 15 minutes

12. Went to Computer configurations – Policies – Windows settings – Security settings – Account policies – Password Policy Setting maximum age to 90 days and minimum password length to 14 characters

13. Closed group policy and shut down the Virtual Machine