Module Three Walkthrough

To start, this walkthrough assumes that you are signed in with your participant account in the Azure portal at portal.azure.com.

The first step is to navigate to **All resources** either from the landing page, or by opening the left-hand menu and selecting it from the list.

The only resource visible should be an Application Insights beginning with **m3**. Click on that, and then navigate to the **Search** blade and hit **Refresh** on the Search menu to populate the results. Once the results are populated, find a trace containing “Authentication complete”. The string following is an access token which can be used to authenticate as the **m3aadapp\*** which has access to a Key Vault.

From here, using Stormspotter you can see that there is an **m3** Key Vault in the tenant along with its **vaultUri**. Using the application **Postman**, you can authenticate directly to the Key Vault using a GET request. The request URL is https://{vaultUri}/secrets?api-version=7.0 and authorizing using a bearer token where the token is the one grabbed from the Application Insights. You could also attempt to enumerate all resources in the subscription with the access token found in Application Insights, but the response would clue you in to the fact that the token is for a Key Vault specifically.

That request will return the secrets present in the Key Vault, once you find the secret you want, you can send the request again but with https://{vaultUri}/secrets/{secretName}?api-version=7.0 as the request URL. Since the secret is a name, we can assume the secret value is the password associated with that user.

Logging in with that account (johndoe@<domain name of participant account>) will reveal a new Storage Account in the Azure portal. Going into the **m3resources** container will show the flag for the third module.

# Key Documentation

<https://www.postman.com/>