Lab #6: **Setup of Microsoft Defender for Cloud Logging**

Purpose:

- We'll be enabling **Microsoft Defender for Cloud**, which gives us a high-level security view of an Azure environment. I'll also be configuring Defender logs to be forwarded to our Log Analytics workspace.

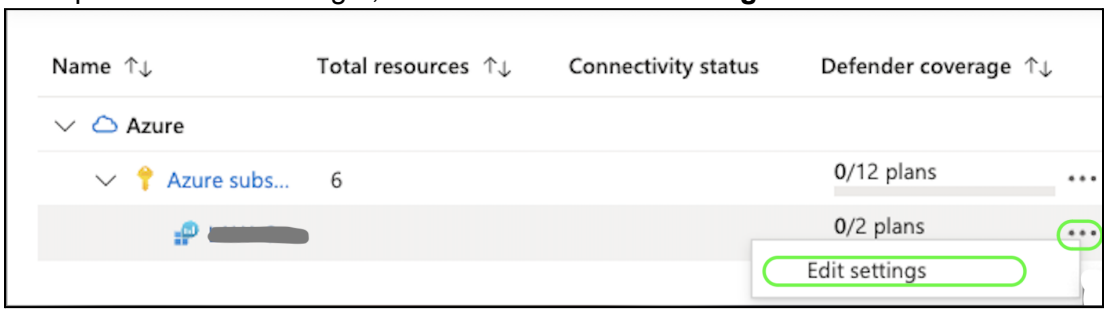
Tasks:

1. **Enable Microsoft Defender for Cloud (Log Analytics)**
2. **Enable Microsoft Defender for Cloud (Subscription)**
3. **Enable Microsoft Defender for Cloud (Continuous Export)**

Task 1: Enable Microsoft Defender for Cloud (Log Analytics)

***Note**: This will allow us to forward logs from our "tester" VMs to our Log Analytics workspace.*

1. **Azure** account (portal.azure.com) > **Microsoft Defender for Cloud** > **Environment Settings**.
2. Scroll down to the lower table > under **Name**, expand our subscription to view our workspace > select the "options" icon to the right, and then select **Edit Settings**.



3. In the **Defender plans** tab, update the **Servers** and **SQL servers** plans to ON > **Save**.

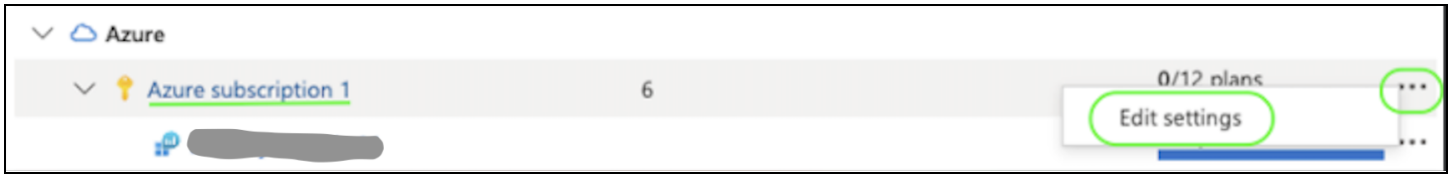
***Note**: This allows us to collect logs from these plans.*

4. In the **Data collection** tab, select **All Events** > **Save**.

***Note**: This allows us to collect all events from the Windows security logs and forward them to our Log Analytics workspace.*

Task 2: Enable Microsoft Defender for Cloud (Subscription)

1. **Azure** portal > **Microsoft Defender for Cloud** > select **Environment Settings**.
2. Scroll down to the lower table > under **Name**, locate our subscription > select the "options" icon to the right, and then select **Edit Settings**.

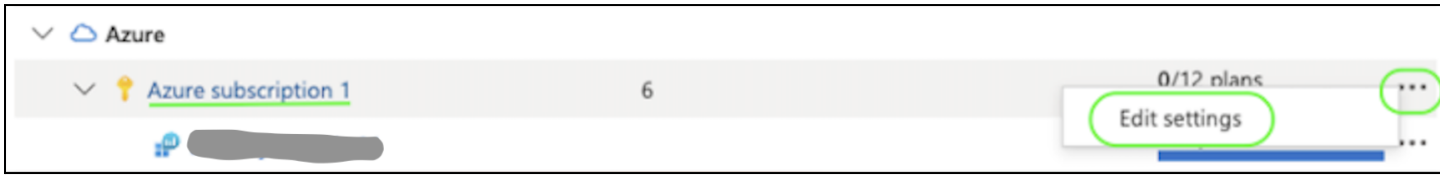


3. Go to the **Defender plans** tab.
    a. Switch these plans to ON → **Servers**, **Databases**, **Storage**, **Key Vault**.
    b. Under the "Servers" plan, select **Settings** > Under "Log Analytics agent, select **Edit configuration** > select **Custome workspace** radio button, and select the workspace > **Apply**.
    c. Select **Continue** (top left) > select **Save** (top left).

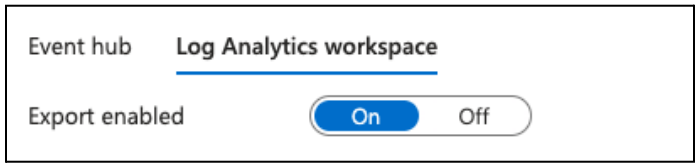
> ***Note***: *This allows us to forward our "tester" VM logs to our Log Analytics workspace.*

Task 3: Enable Microsoft Defender for Cloud (Continuous Export)

1. **Azure** portal > **Microsoft Defender for Cloud** > select **Environment Settings**.
2. Scroll down to the lower table > under **Name**, locate our subscription > select the "options" icon to the right, and then select **Edit Settings**.



3. At the **Continuous export** tab > select the **Log Analytics workspace** tab.
    a. **Export** should be enabled (ON).



> ***Note***: *This will allow alerts to be exported into my Log Analytics workspace, allowing us to query these alerts later.*

    b. Update the **Exported data types** settings:

    c. **Export configuration** > **Resource group**: (the "Tester" resource group).
    d. **Export target** > **Subscription**, **Target workspace** > Select **Save**.

End:

- Defender logs will now be forwarded to our Log Analytics workspace. Soon, we'll manually install agents to assist with automatically forward logs to our Log Analytics workspace.