Building the Honeypot

The first step in the project is creating a virtual machine that acts as a honeypot, enticing potential attackers.

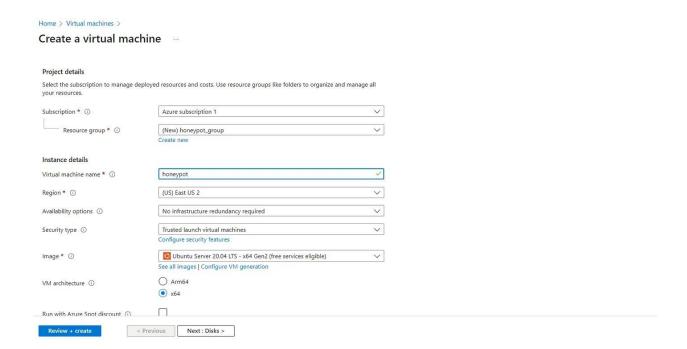
Search for "Virtual Machines" in the Azure portal's search bar. Click on "Azure virtual machine" under the "Create" option.

Name your virtual machine, and let the resource group auto-fill.

Set up an administrator account (password or SSH key) and proceed.

Continue through the setup, configuring networking options, including making the firewall vulnerable.

Click "Review+Create" to finalize.

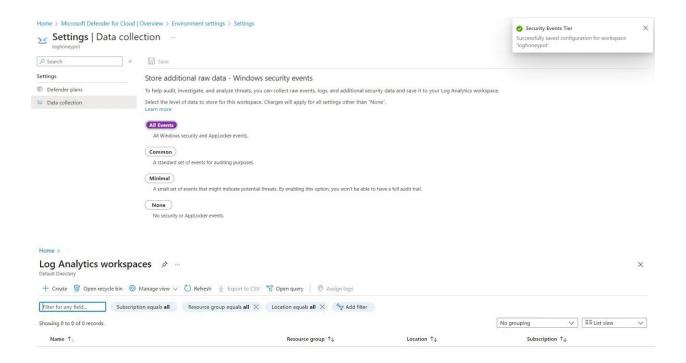


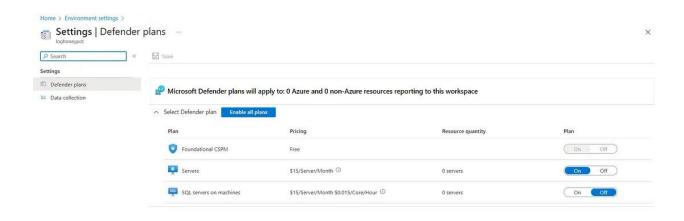
Setting Up Log Analytics

To collect and analyze data from your honeypot, you need a Log Analytic workspace. Follow these steps:

Create a Log Analytic workspace and review your configuration. Turn off Azure Defender in Microsoft Defender for Cloud to attract adversaries.

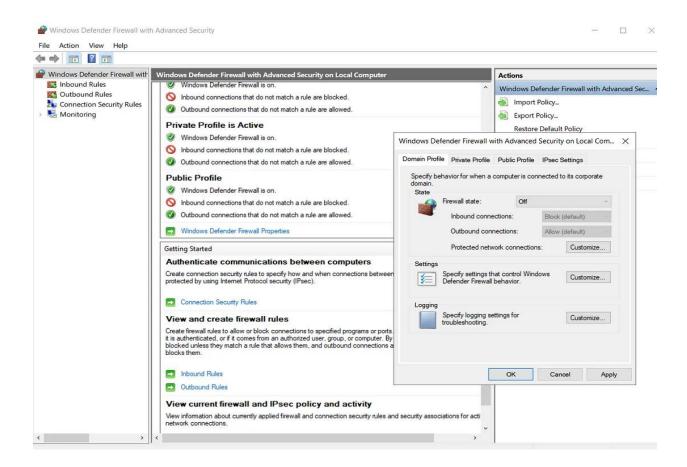
Configure the settings in Microsoft Defender for Cloud, enabling plans and connecting the Log Analytic workspace with the honeypot VM. Add Azure Sentinel for further monitoring.





Making the Honeypot Visible

To attract even more attention, adjust the firewall settings on the VM to allow ICMP echo requests for ping responses.

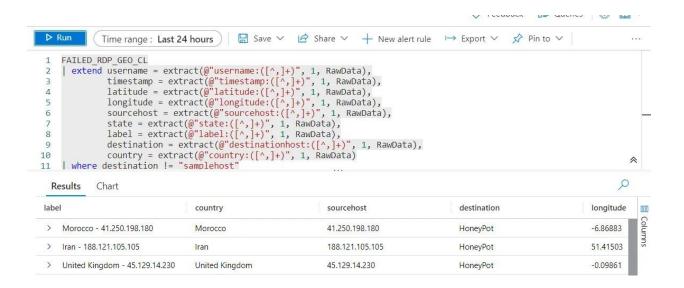


Automating Data Ingestion with PowerShell

To streamline data collection, download the PowerShell script provided by Josh Madakor in the project folder.

Creating Custom Logs

Now, create a custom log in the Log Analytic Workspace to capture failed login attempts. Follow the instructions carefully and make use of Azure Portal's search to locate the Log Analytic Workspace.



Analyzing Data and Setting Up the MAP

The final steps involve analyzing your data and setting up the MAP on Azure Sentinel. Follow the provided script to extract and map data for deeper insights.

