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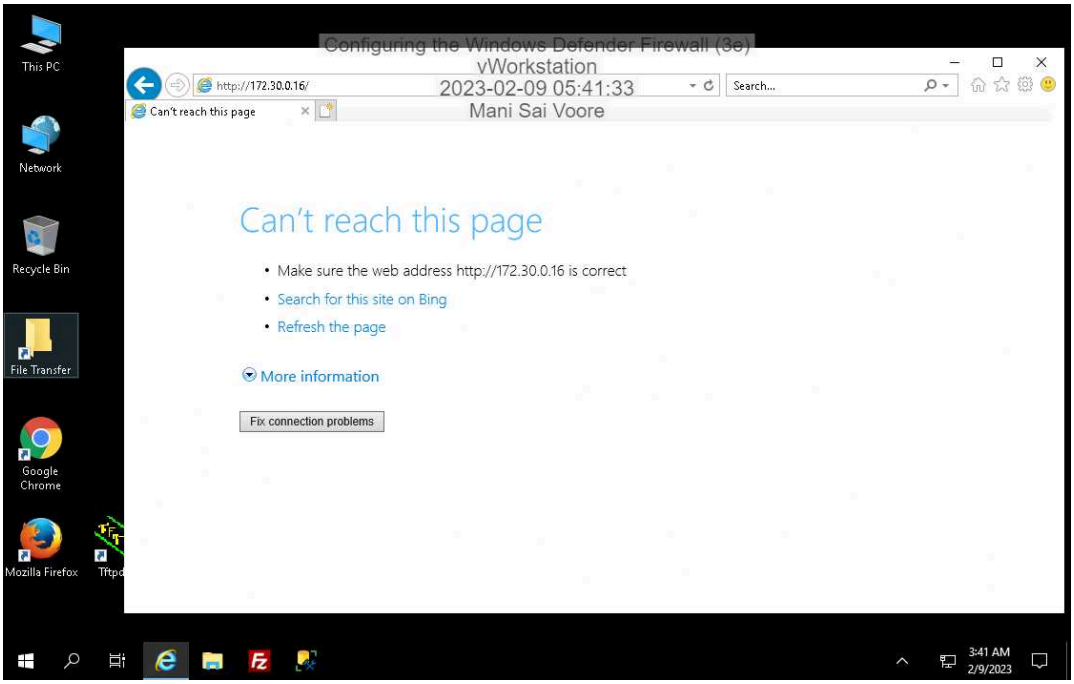
Time on Task:	Progress:
2 hours, 54 minutes	100%

Report Generated: Thursday, February 9, 2023 at 10:49 AM

Section 1: Hands-On Demonstration

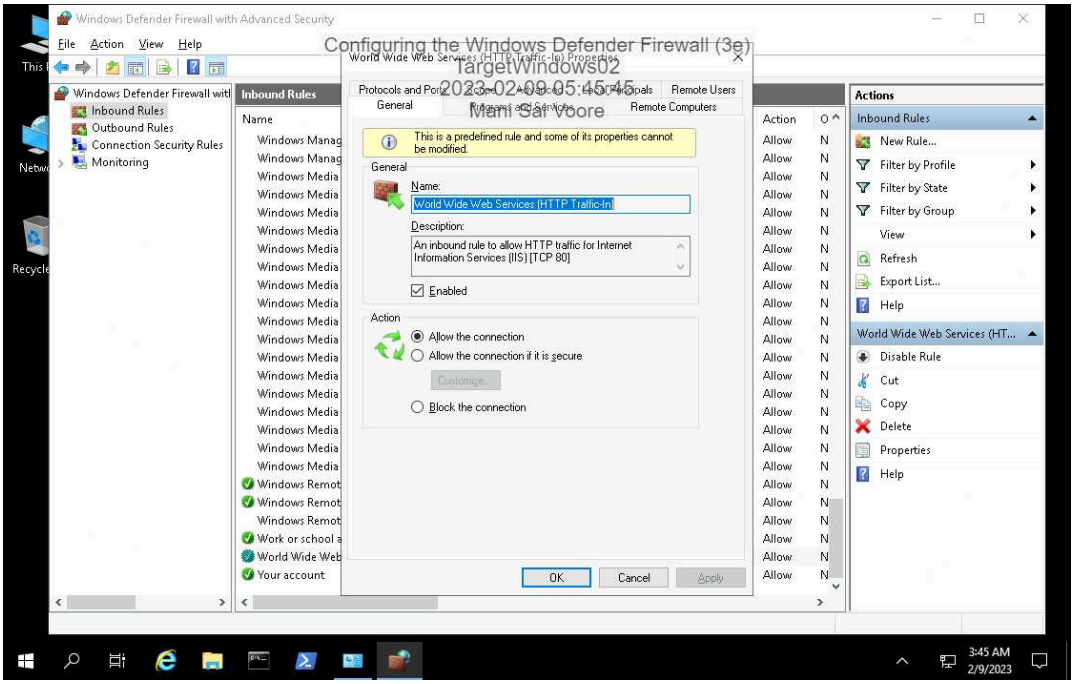
Part 1: Test Access to a Windows IIS Server Using a Web Browser

3. **Make a screen capture** showing the **connection error message in the browser window**.



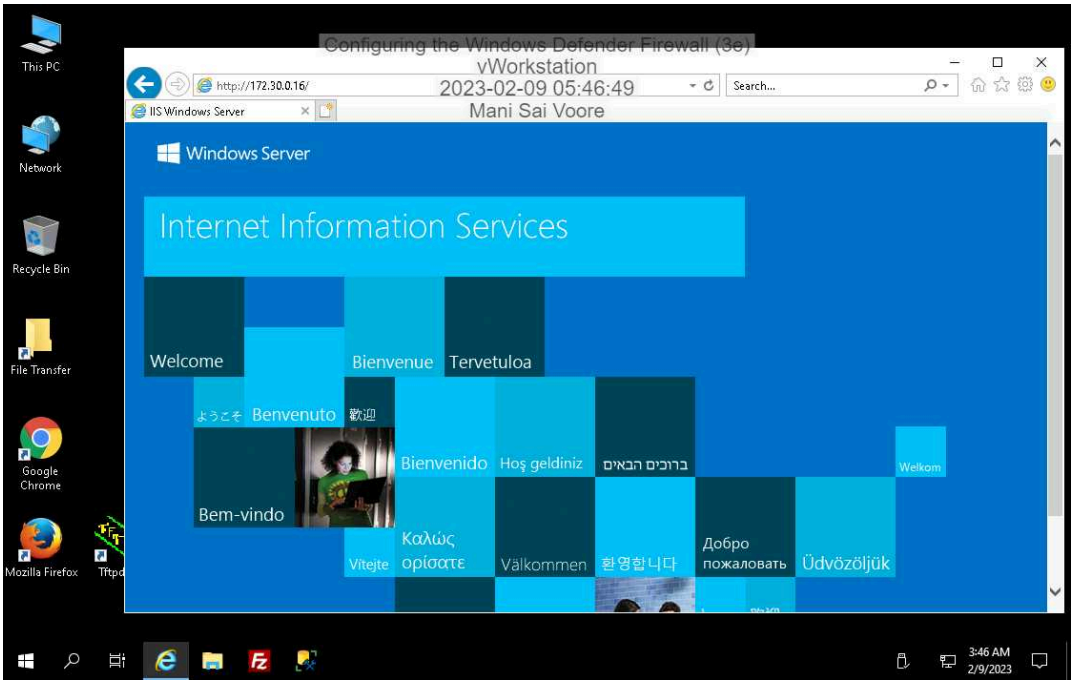
Part 2: Enable a Windows Defender Firewall Rule to Allow HTTP Access

12. **Make a screen capture** showing the **World Wide Web Services (HTTP Traffic-In) Properties dialog box and the Enabled checkbox**.



Part 3: Confirm the Windows Defender Firewall Configuration Allows HTTP

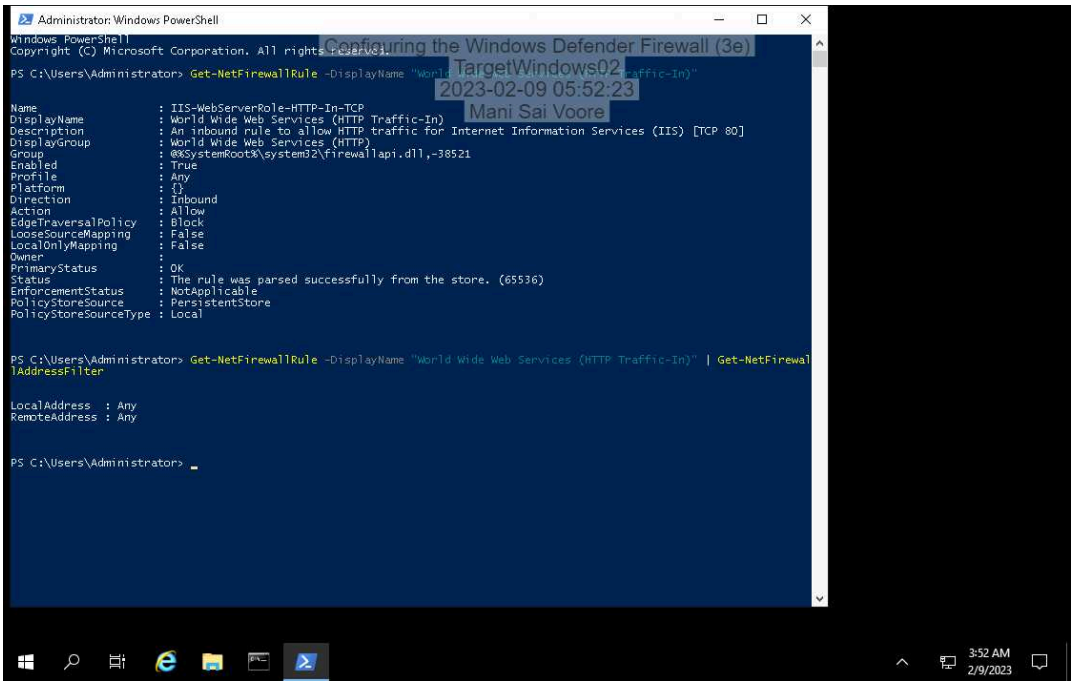
4. **Make a screen capture** showing the **IIS server home page in the browser window**.



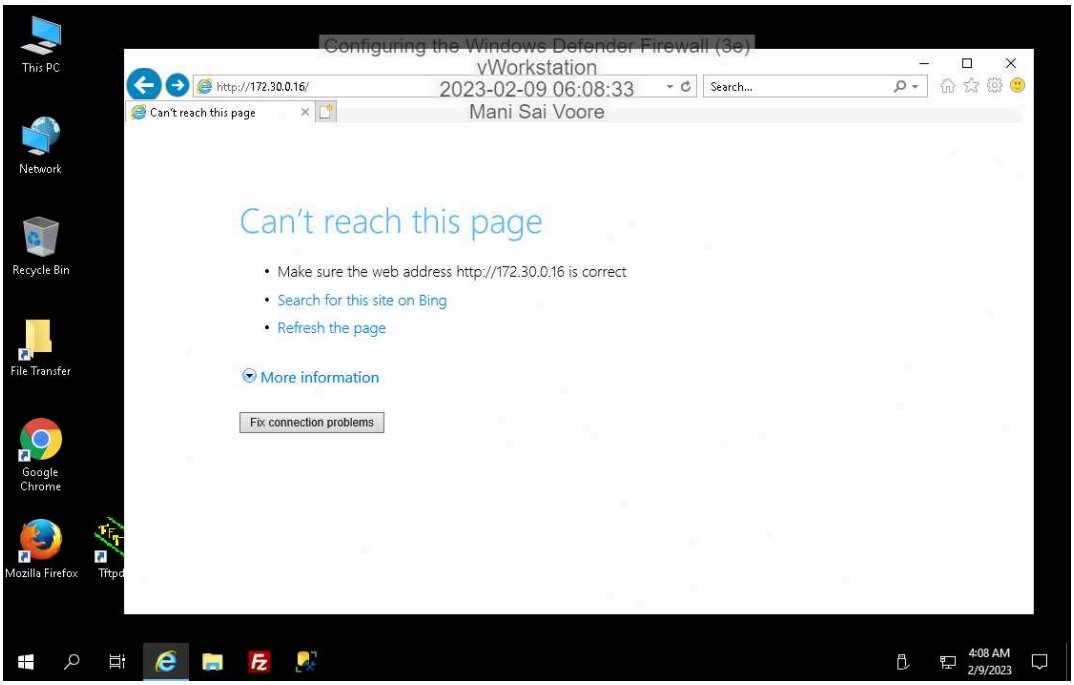
Section 2: Applied Learning

Part 1: Test Access to Windows IIS Server Using PowerShell

6. **Make a screen capture** showing the **results of the Get-NetFirewallRule commands**.

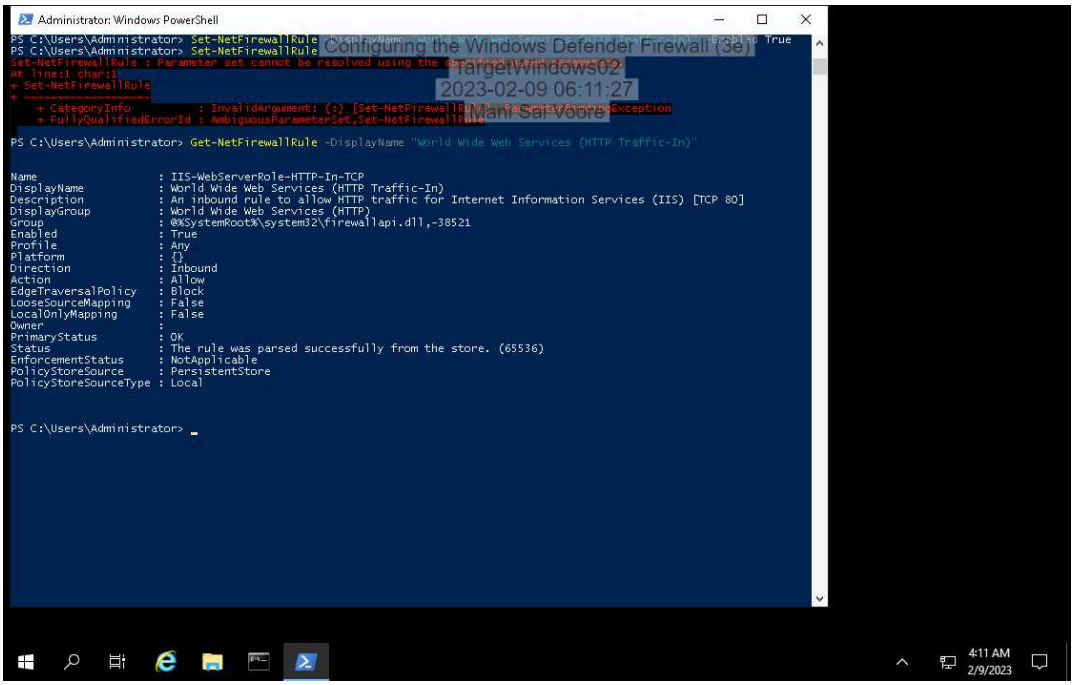


9. **Make a screen capture** showing the **connection error message in the browser window**.



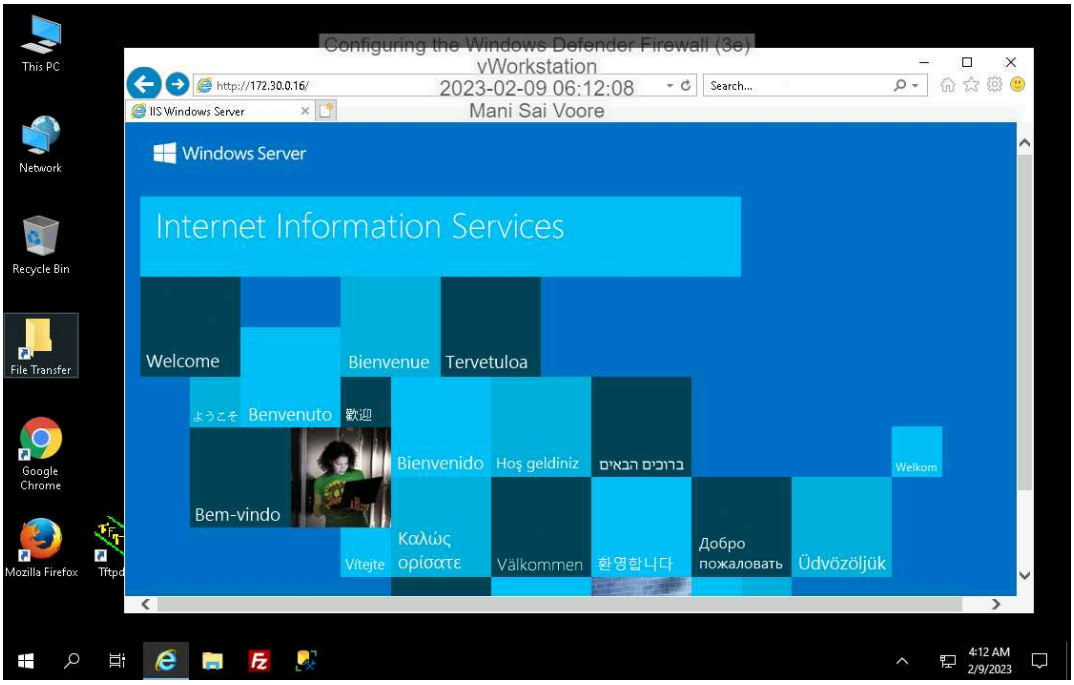
Part 2: Enable a Windows Defender Firewall Rule to Allow HTTP Access

4. **Make a screen capture** showing the **updated status of the World Wide Web Services rule**.



Part 3: Confirm the Windows Defender Firewall Configuration Allows HTTP

3. **Make a screen capture** showing the **IIS server home page in the browser window**.



Section 3: Challenge and Analysis

Part 1: Research Firewall Rule Requirements

Using the Internet, **research** and **identify** the protocol and port necessary for a Microsoft SQL Server database connection.

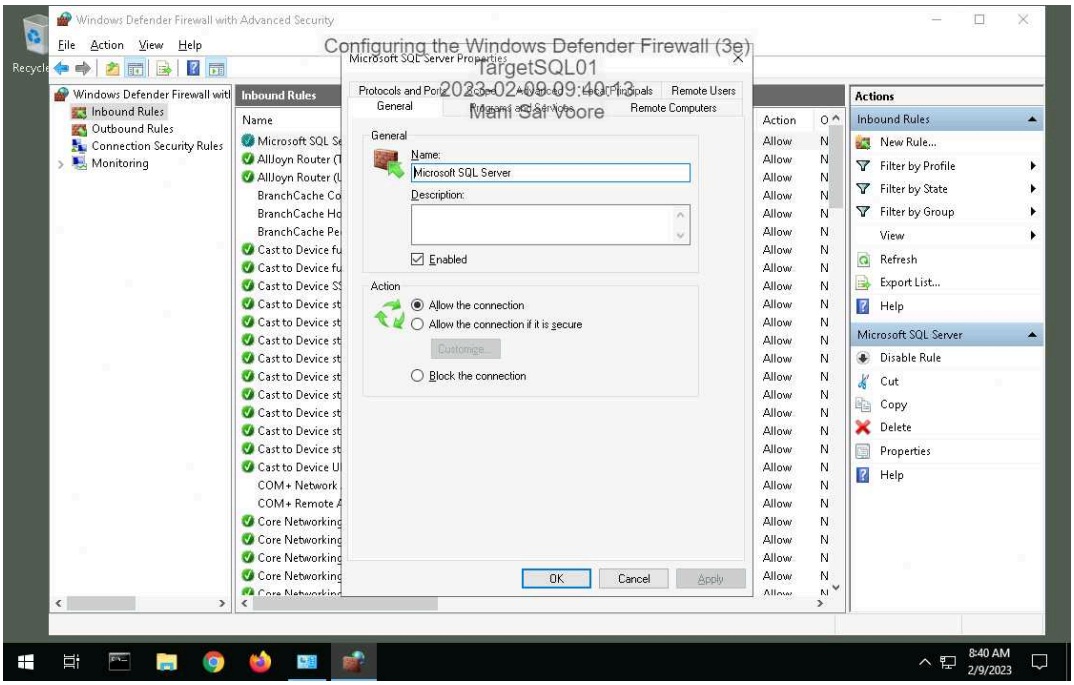
1. TCP(Transmission Control Protocol): Port 1433 is a default port number for SQL Server but that can be changed by system administrator. Protocol is which provide a reliable, error-checked delivery of data makes easy for database connection.
2. MySQL: port 3306, it uses TCP/IP protocol for communication. By default MYSQL listen to incoming connection on port 3306.

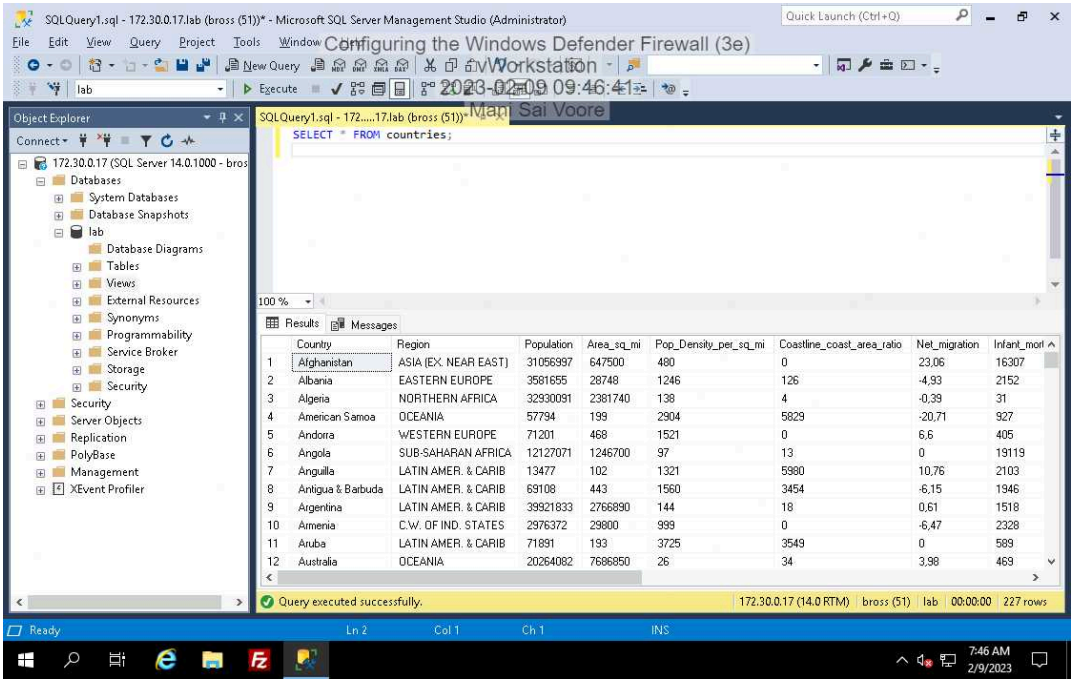
3. PostgreSQL: Port 5432, it uses the TCP/IP protocol for communication. By default it listen for incoming connections on port 5432.

4. Named Pipes : port number is 445. the protocol uses SMB for communication between two or more process on the same c computer over network.

Part 2: Configure the Firewall

Make a screen capture showing **your firewall rule on TargetSQL01**.



Part 3: Validate Your Firewall Rule

Make a screen capture showing the **results of your SQL query**.