

Configuring the Windows Defender Firewall (3e)

Network Security, Firewalls, and VPNs, Third Edition - Lab 04

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Time on Task:

3 hours, 48 minutes

Progress:

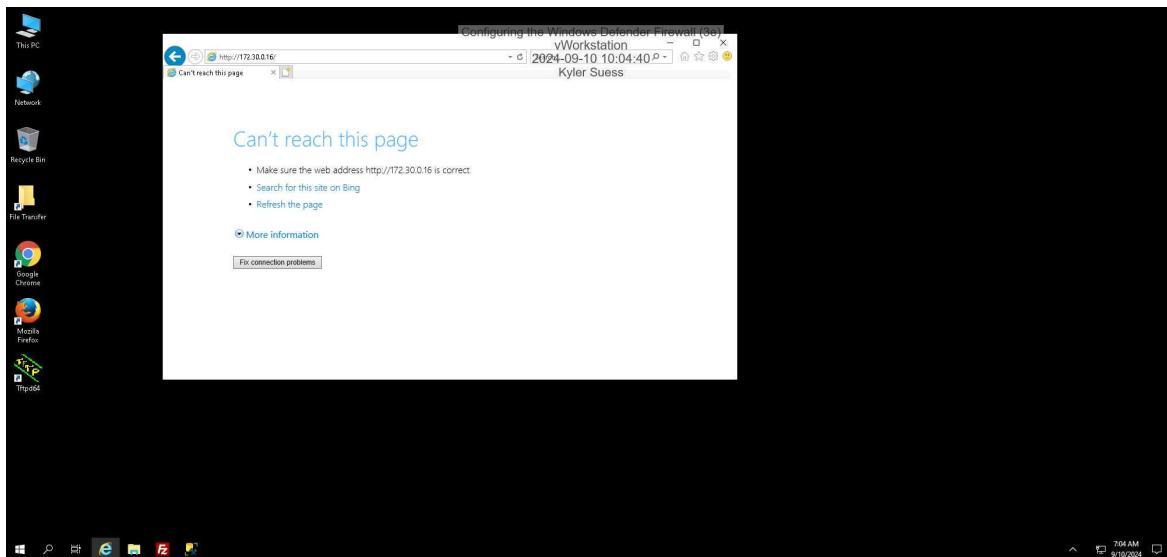
100%

Report Generated: Tuesday, September 10, 2024 at 10:41 AM

Section 1: Hands-On Demonstration

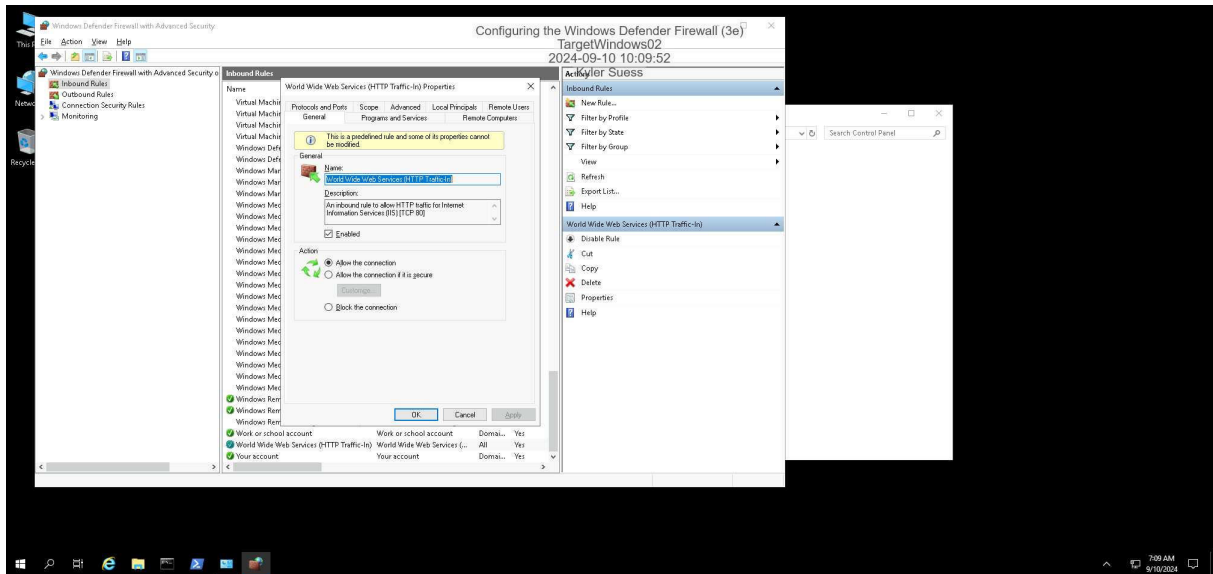
Part 1: Test Access to a Windows IIS Server Using a Web Browser

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



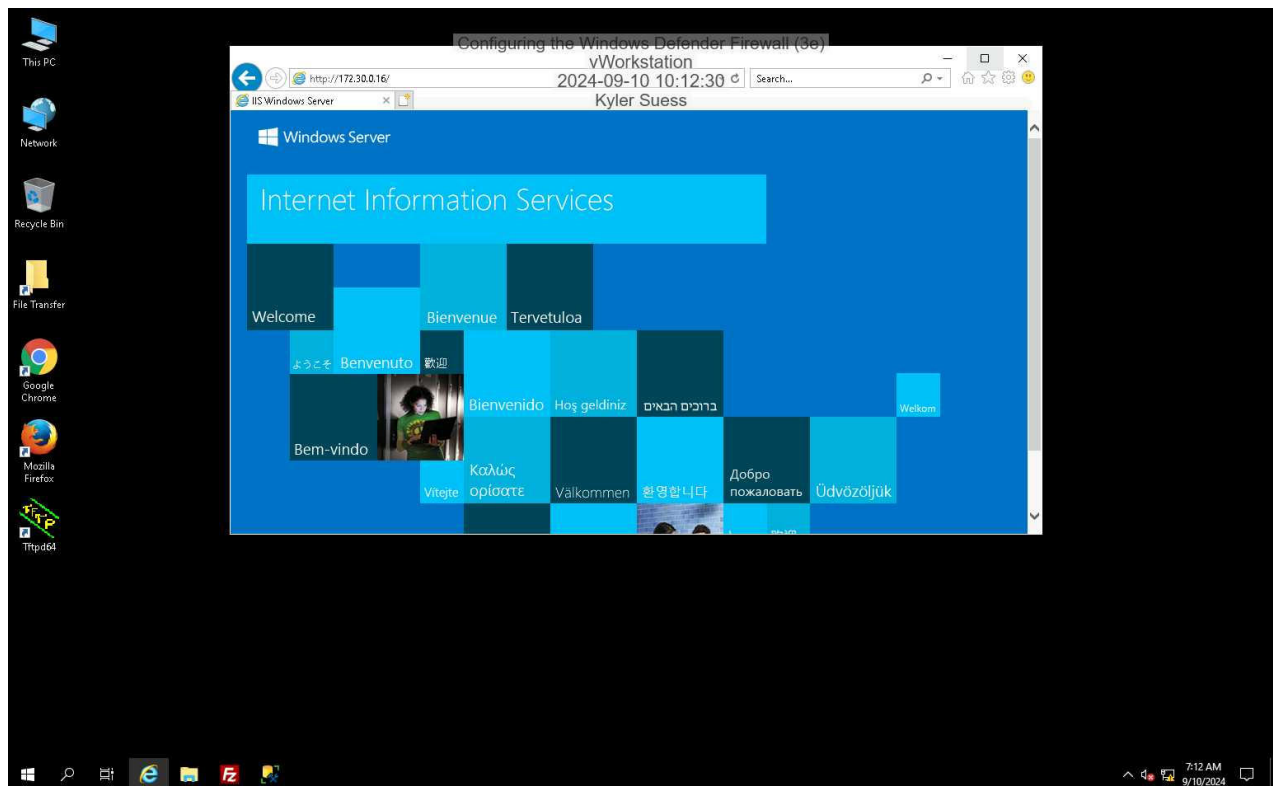
Part 2: Enable a Windows Defender Firewall Rule to Allow HTTP Access

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

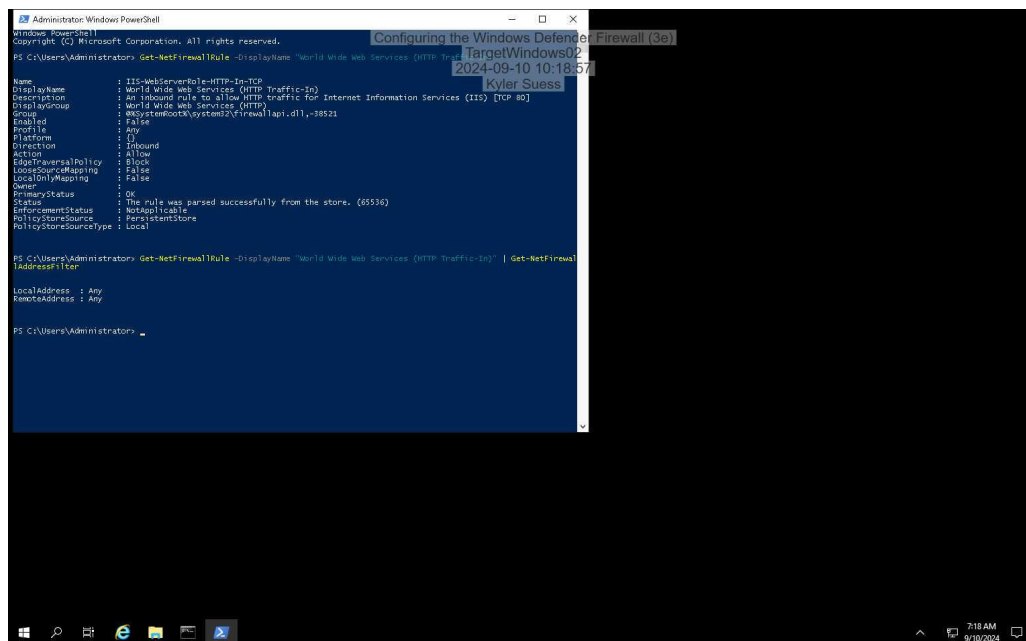
4. Make a screen capture showing the IIS server home page in the browser window.



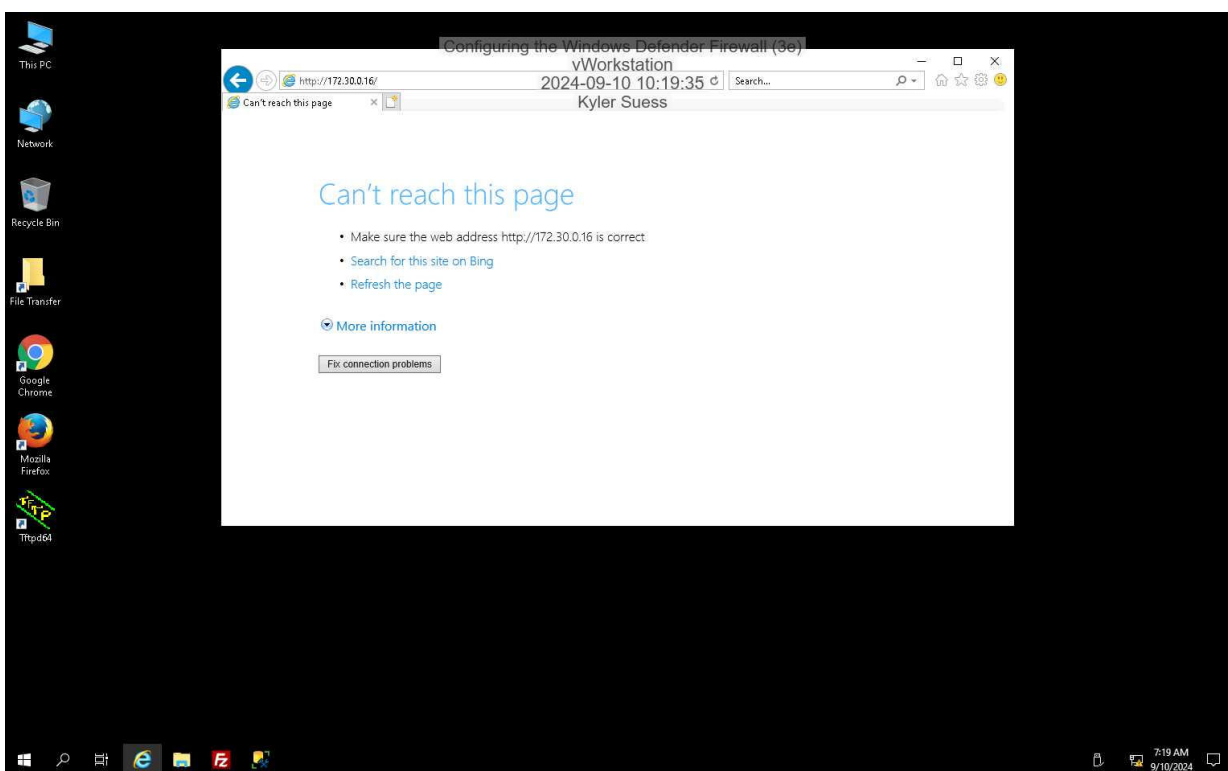
Section 2: Applied Learning

Part 1: Test Access to Windows IIS Server Using PowerShell

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

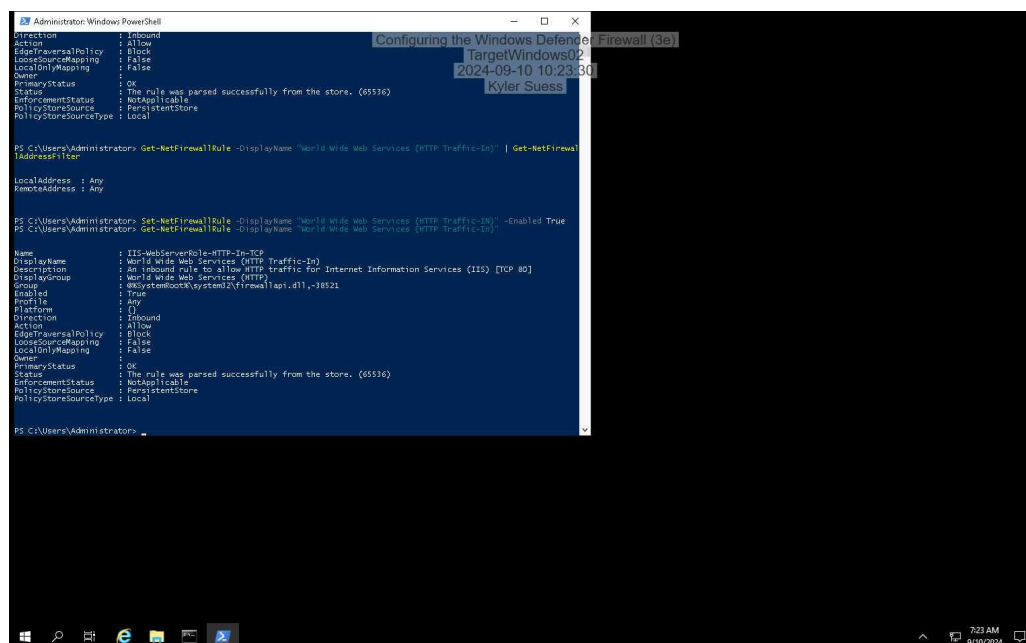


9. Make a screen capture showing the connection error message in the browser window.



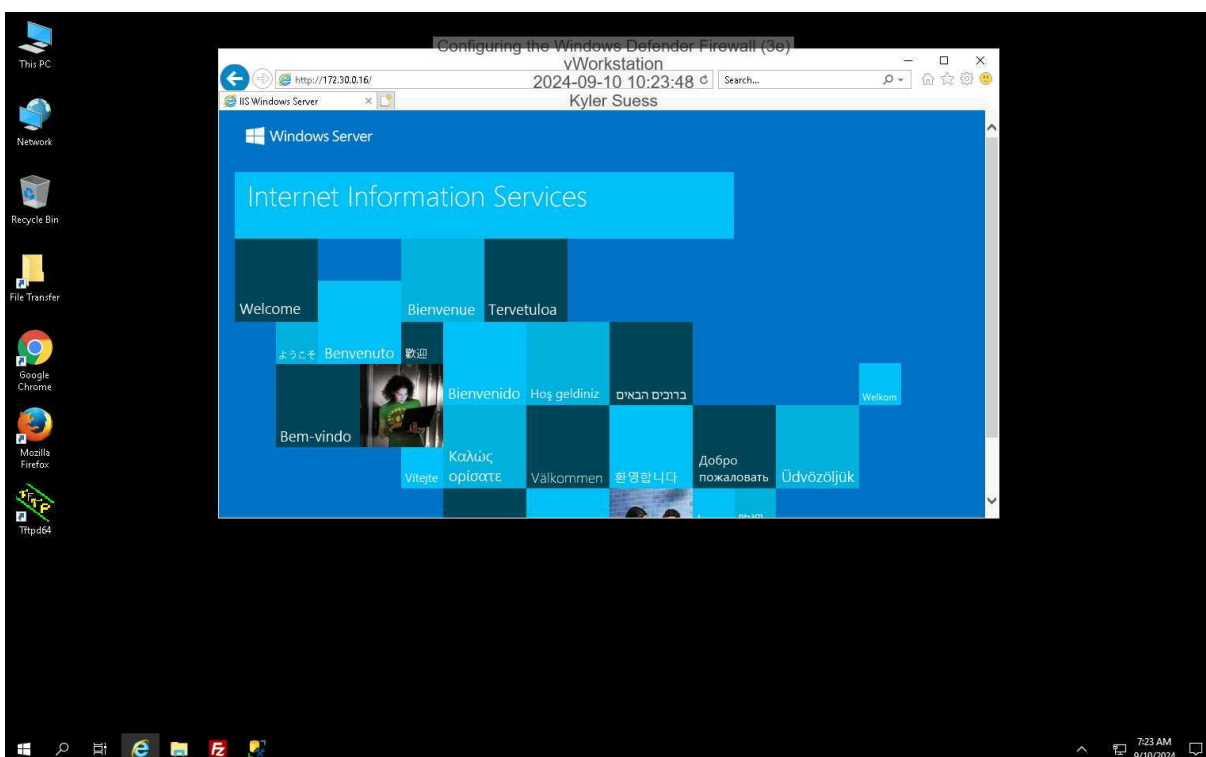
Part 2: Enable a Windows Defender Firewall Rule to Allow HTTP Access

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

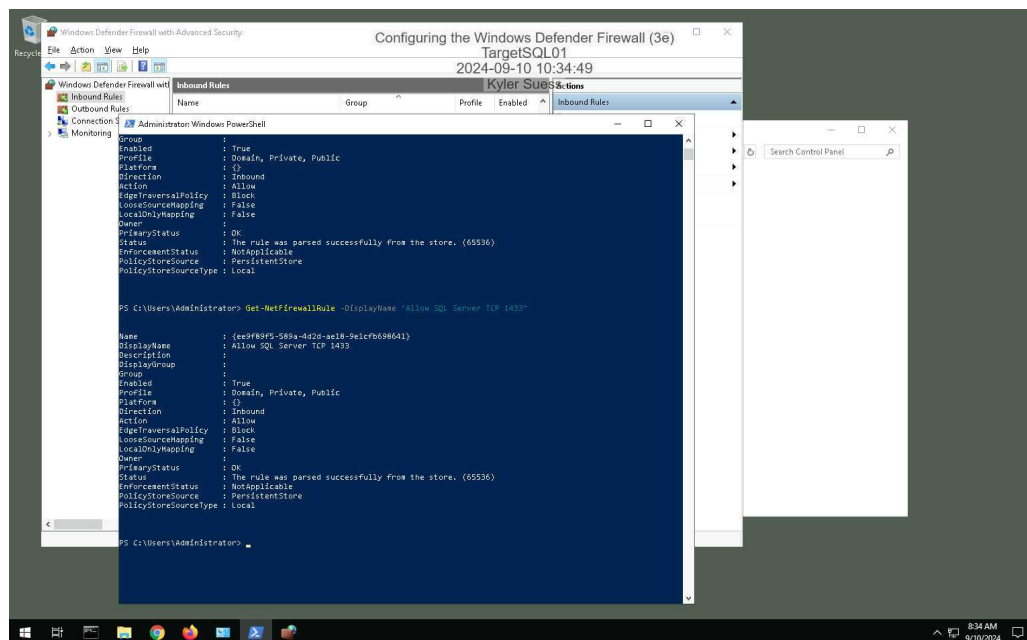
Part 1: Research Firewall Rule Requirements

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

The standard protocol for a SQL Server database connection is TCP, and the standard port is 1433

Part 2: Configure the Firewall

Make a screen capture showing your firewall rule on TargetSQL01.



Part 3: Validate Your Firewall Rule

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

SQL Query (sql) - 172.30.0.17 lab (bross (3)) - Microsoft SQL Server Enterprise Manager (Administrator)

Object Explorer: 172.30.0.17 SQL Server 14.0.1000 - bross

Query: SELECT FROM countries;

Results: 15 rows

Country	Region	Population	Area_sq_mi	Pop_Density_per_sq_mi	Coastline_coast_area_ratio	Net_migration	Infant_mortality_per_1000_baths	GDP_per_capita	Literacy	Phones_per_1000	Available
1 Afghanistan	ASIA (EX. NEAR EAST)	21056997	647500	480	0	23.06	16307	700	360	32	12.19
2 Albania	EASTERN EUROPE	2981695	28748	1246	126	4.93	2152	4500	885	712	21.09
3 Algeria	NORTHERN AFRICA	32593081	2381740	136	4	-0.39	31	6000	700	781	3.22
4 American Samoa	OCEANIA	67794	199	2904	9829	-20.71	827	8000	970	2995	10
5 Andorra	WESTERN EUROPE	71201	468	1521	0	6.6	405	19000	1000	4972	2.22
6 Angola	SUB-SAHARAN AFRICA	12127071	1246700	97	13	0	19119	1900	420	78	2.41
7 Anguilla	LATIN AMER. & CARIB	13477	102	1321	5980	10.76	2103	8600	950	4600	0
8 Antigua & Barbuda	LATIN AMER. & CARIB	69109	443	1560	3454	-6.15	1346	11000	890	5499	18.10
9 Argentina	LATIN AMER. & CARIB	39921033	2766890	144	18	0.61	1510	11200	971	2204	12.31
10 Armenia	C.W. OF IND. STATES	2576372	29800	999	0	-6.47	2320	3500	986	1967	17.55
11 Aruba	LATIN AMER. & CARIB	71691	193	3725	3549	0	589	20000	970	5161	10.53
12 Australia	OCEANIA	22334002	7688250	26	24	3.96	463	26000	1000	5655	6.55
13 Austria	WESTERN EUROPE	8150880	83870	977	0	2	466	30000	980	4522	16.91
14 Azerbaijan	C.W. OF IND. STATES	7961819	86600	919	0	-4.9	8174	3400	970	1271	19.63
15 Bahamas, The	LATIN AMER. & CARIB	303770	13940	218	2541	-2.2	2521	16700	956	4606	0.8

Query executed successfully. 172.30.0.17 (14.0.8776) bross (3) lab 00:00:00 227 rows