# Microsoft Windows Defender
and Firewall

- **In this guided lab, I was taught to review and update threat definitions, run the Defender Antivirus quick scan, and configure the Firewall Rules with and without Advanced Security.**

- **Windows uses security intelligence also known as definitions, the definitions include information about known threats, so to ensure that any problems are attended to efficiently, check to to make definitions are up to date.**
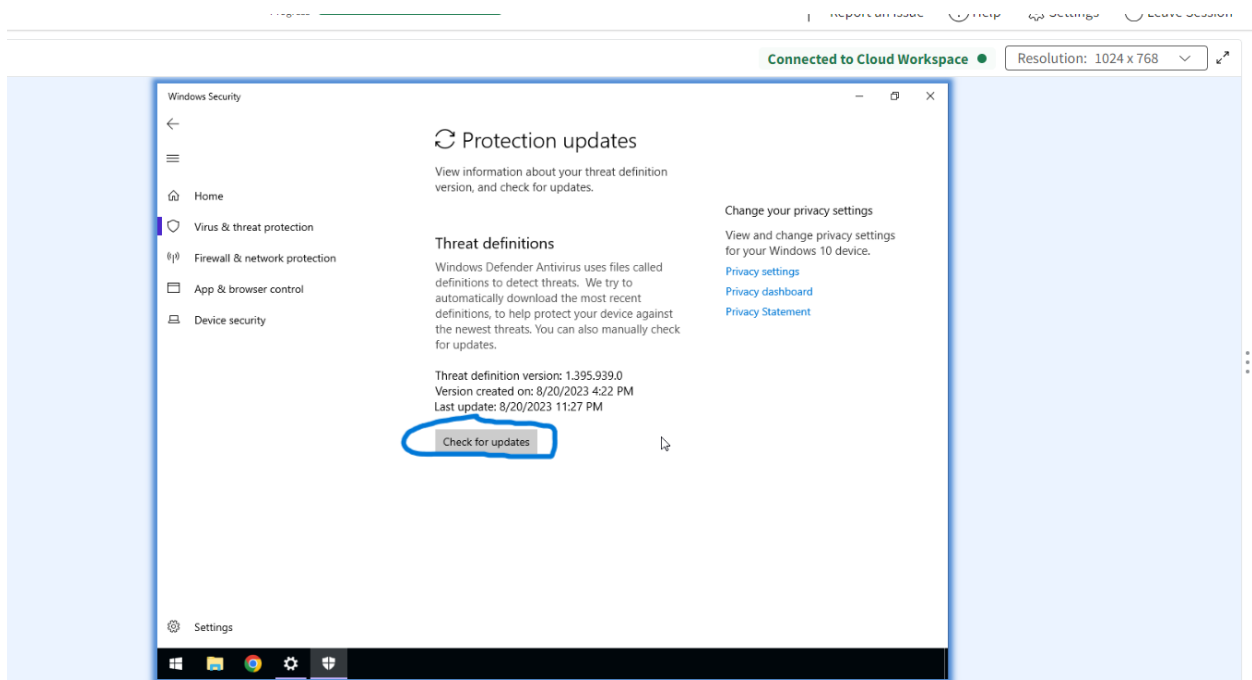
- **Ran Antivirus Quick scan**
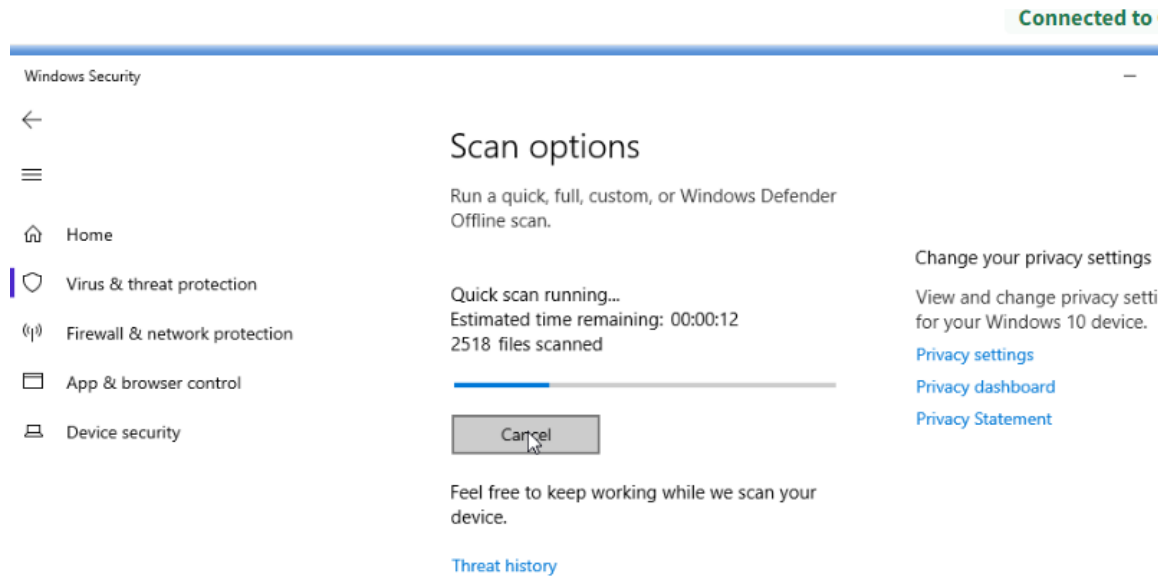
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- **Verified Windows firewall was toggled on**
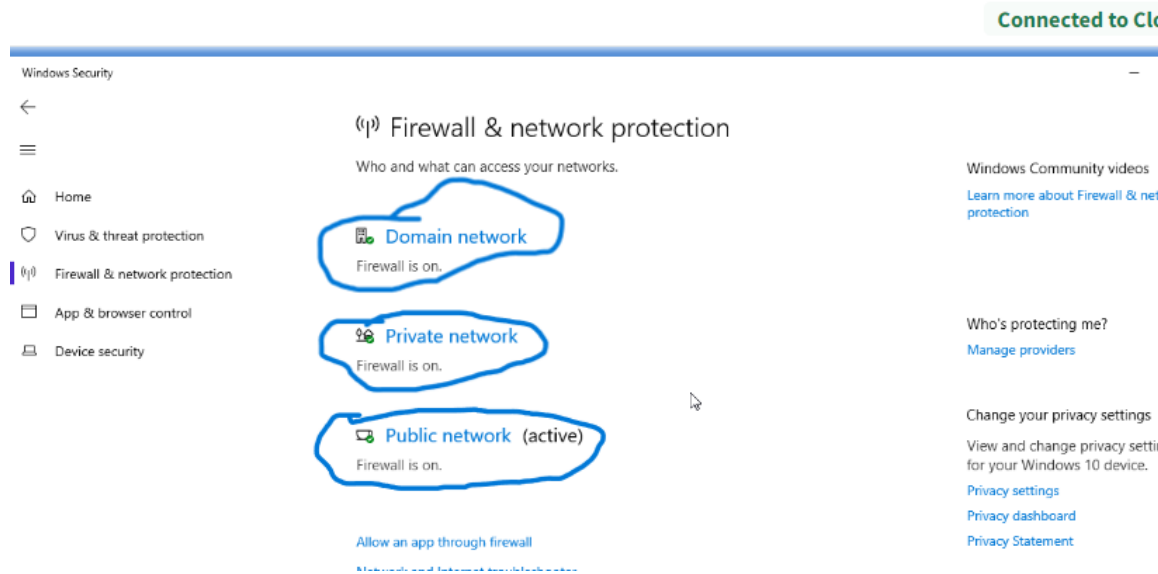
- **Configured Windows Firewall with Advanced Settings.**

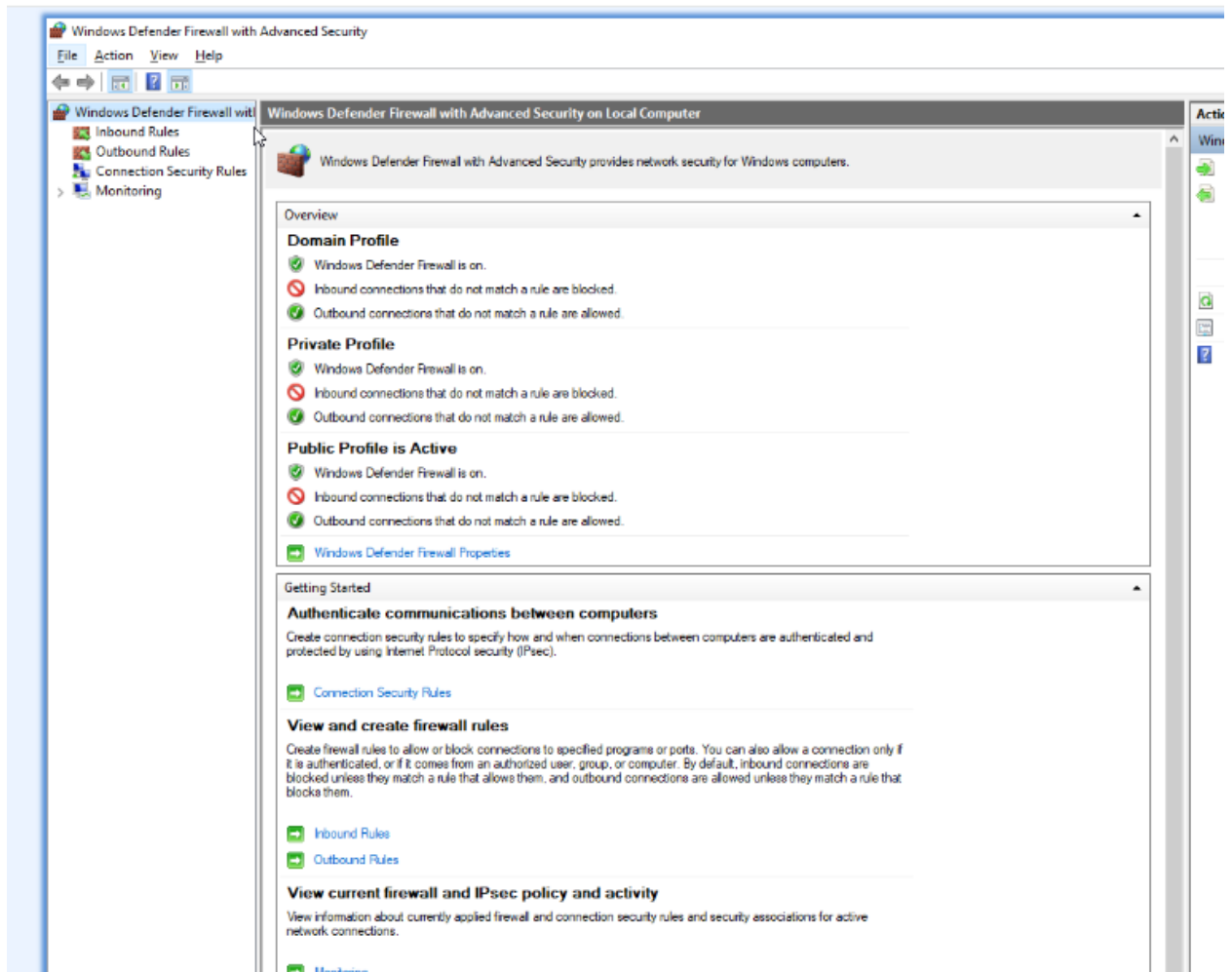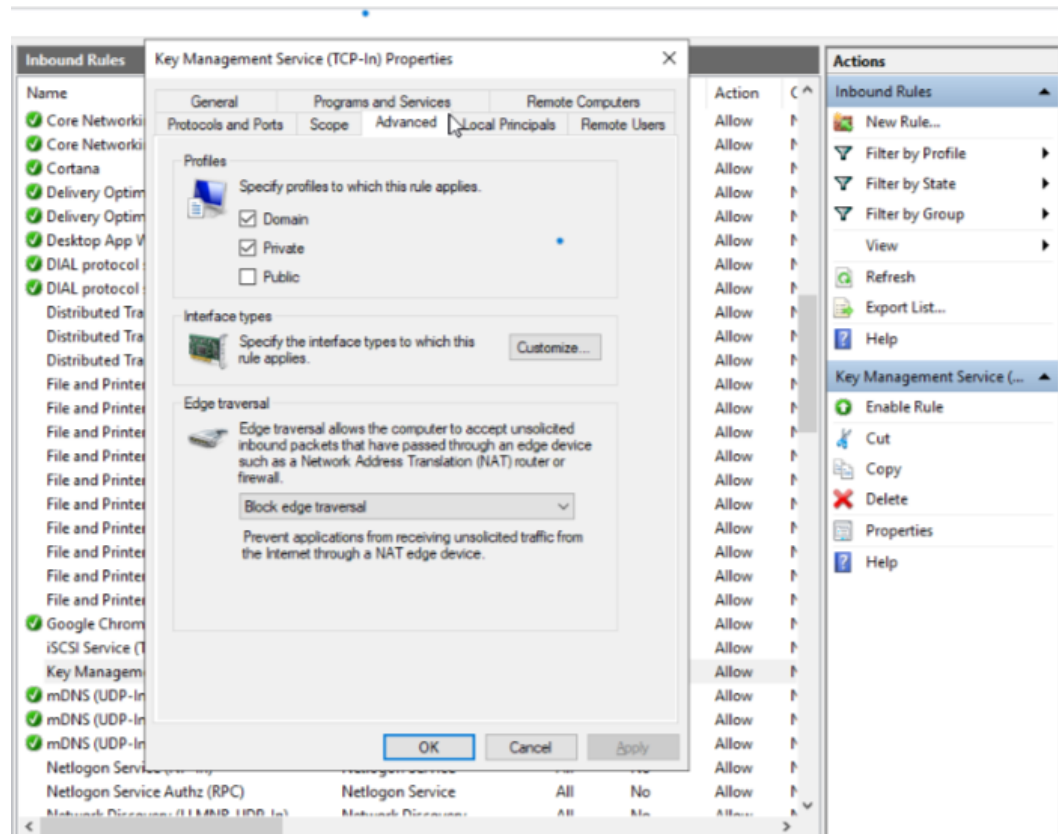- **create an inbound rule to Key Management Service (TCP-In) that blocks communication with the public network.**

Inbound Rules

Name		Action	C
Key Management Service (TCP-In) Properties	✕	Allow	

Actions

Inbound Rules
- New Rule...
- Filter by Profile ▶
- Filter by State ▶
- Filter by Group ▶
- View ▶
- Refresh
- Export List...
- Help

Key Management Service (...
- Enable Rule
- Cut
- Copy
- Delete
- Properties
- Help

Key Management Service (TCP-In) Properties dialog:

Tabs: General | Programs and Services | Remote Computers | Protocols and Ports | Scope | Advanced | Local Principals | Remote Users

Profiles

Specify profiles to which this rule applies.
- ☑ Domain
- ☑ Private
- ☐ Public

Interface types

Specify the interface types to which this rule applies.   [Customize...]

Edge traversal

Edge traversal allows the computer to accept unsolicited inbound packets that have passed through an edge device such as a Network Address Translation (NAT) router or firewall.

[Block edge traversal ▼]

Prevent applications from receiving unsolicited traffic from the Internet through a NAT edge device.

[OK] [Cancel] [Apply]

Left column rule names (partially visible):
- Core Networki...
- Core Networki...
- Cortana
- Delivery Optim...
- Delivery Optim...
- Desktop App V...
- DIAL protocol...
- DIAL protocol...
- Distributed Tra...
- Distributed Tra...
- Distributed Tra...
- File and Printer...
- File and Printer...
- File and Printer...
- File and Printer...
- File and Printer...
- File and Printer...
- File and Printer...
- File and Printer...
- File and Printer...
- File and Printer...
- Google Chrom...
- iSCSI Service (T...
- Key Managem...
- mDNS (UDP-In...
- mDNS (UDP-In...
- mDNS (UDP-In...
- Netlogon Servi...
- Netlogon Service Authz (RPC) — Netlogon Service — All — No — Allow
- Network Discovery (LLMNR-UDP-In) — Network Discovery — All — No — Allow

Action column (right side, repeated): Allow (multiple rows)

Lower table:

Name	Group	Profile	Enabled	Action
File and Printer Sharing (Spooler Service -...	File and Printer Sharing	All	No	Allow
File and Printer Sharing over SMBDirect (i...	File and Printer Sharing over...	All	No	Allow
Google Chrome (mDNS-In)	Google Chrome	All	Yes	Allow
iSCSI Service (TCP-In)	iSCSI Service	All	No	Allow
Key Management Service (TCP-In)	Key Management Service	Domai...	No	Allow
mDNS (UDP-In)	mDNS	Domain	Yes	Allow
mDNS (UDP-In)	mDNS	Public	Yes	Allow
mDNS (UDP-I...)	mDNS	Privat...	Y...	All...