

Secure Windows Server Networking



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Overview



Manage Windows Defender Firewall

Implement domain isolation

Implement connection security rules



Windows Server 2022: Secure On-premises and Hybrid Infrastructure

Secure the Windows Server Operating System

Secure Hybrid Active Directory Accounts

Configure Hybrid Active Directory Account Security

Remediate Windows Server Security Issues with Azure Services

Secure Windows Server Networking

Secure Windows Server Storage



Windows Defender Firewall



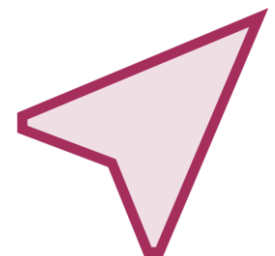
Windows Defender Firewall



Host-based firewall available for Windows Server and Client



Inbound and outbound rules: Program, Port, Custom



Location profiles: Domain, Private, Public



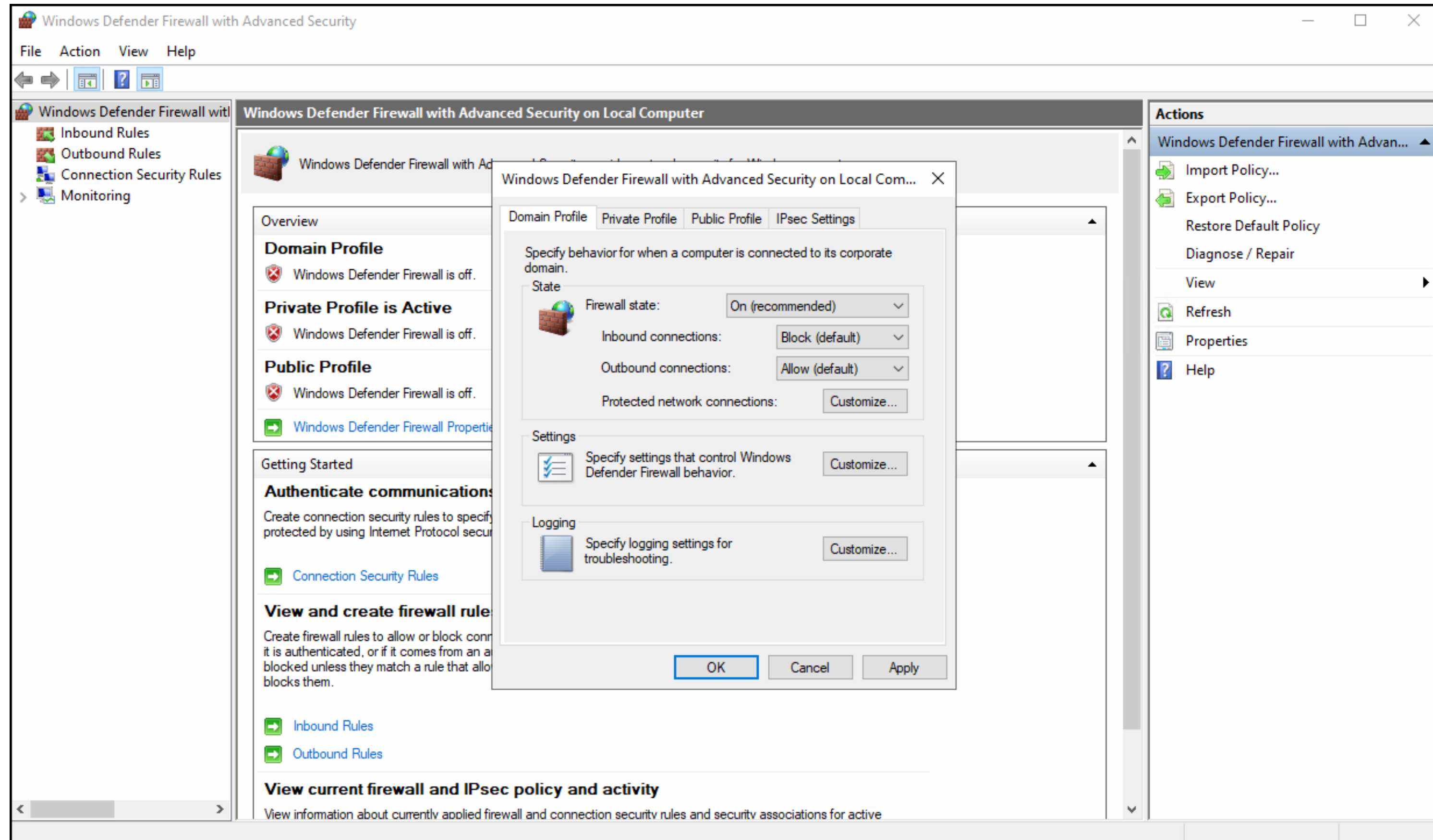
Manage with Group Policy



"Shields up" mode to mitigate active attacks



Windows Defender Firewall

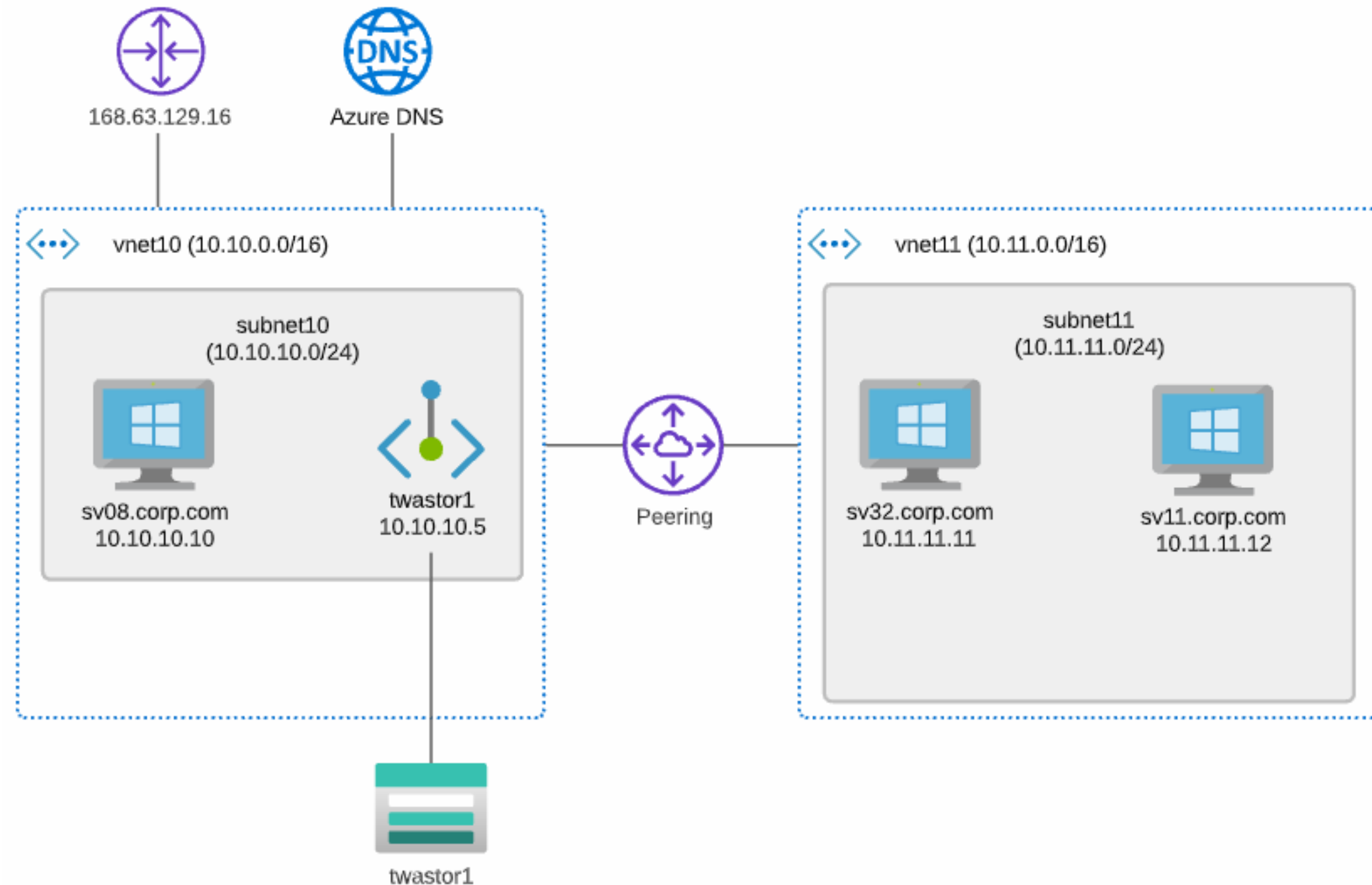


Connection Security Rules



Connection Security Rules

Domain isolation
IPSec
Tunnel mode
Transport mode
Authentication
Header (AH)
Encapsulating
Security Payload
(ESP)



Demo



Windows Defender Firewall

- Advanced security

IPSec isolation rule



Summary



Networking tends to be a conceptual stumbling block for many hybrid cloud administrators

- Ethernet and TCP/IP internetworking is a job role unto itself

Consider the Azure Network Engineer Associate certification

- I created the Pluralsight path



Up Next:

Secure Windows Server Storage

