

Week 7

Windows Firewalls



Tonight's Plan

- Questions from Last Week
- Firewalls
- Review Quiz Questions
- Review for 1st test
- Assignment 3 Overview
- Spring Break
- □ Test 1



Questions From Last Week

- Any Questions from last week?
- Quiz; review from Blackboard results Week 6.
- □ SCCM
 - Remember that SCCM is a way of patching large numbers of computers.



Questions From Last Week (cont)

Any additional questions?



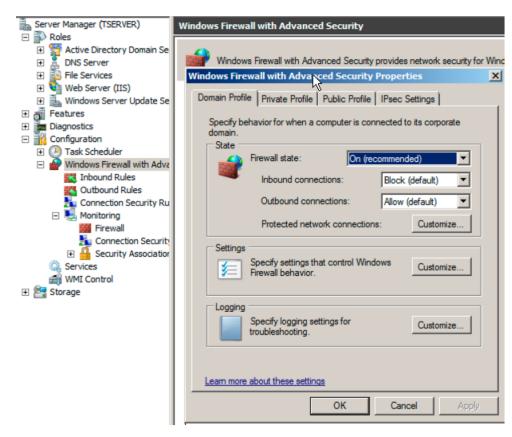
- □ What is a firewall?
- How do we configure it on Windows?



- What is a firewall?
 - A firewall network security system that monitors and controls the incoming and outgoing network traffic.

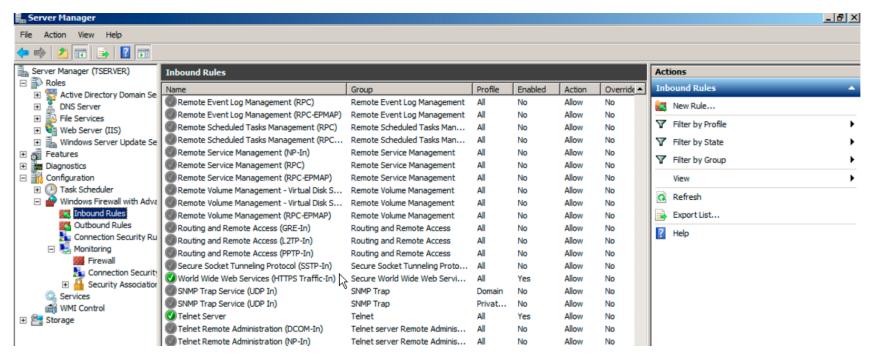


- How do we configure it on Windows?
 - Turn on Logging:



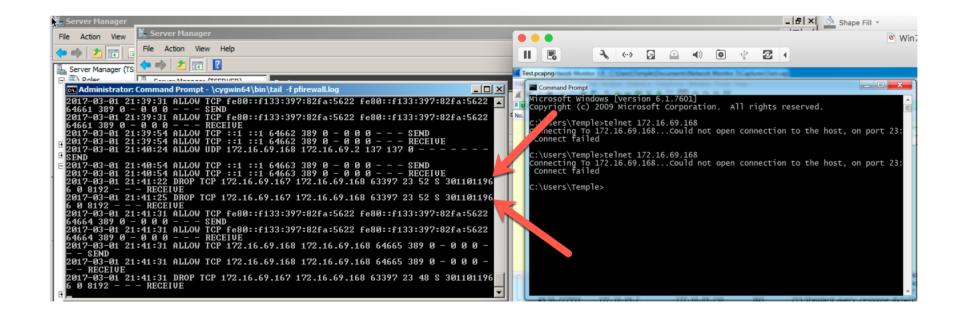


- Install Telnet
 - Add the Telnet Client and Server under Features
- Create a rule to allow Telnet





□ Demo?





Questions?



- Quiz; review from Blackboard results Week 3.
- Quiz; review via Blackboard.
- AH with IPSec; remember it only signs the packet between two computers, not the content
- Primary and Secondary storage
- Firewalls are a network device that controls which two computers and on which network ports they can communication. These are different from ports on a switch
- Switch; Protections for an OS



- Any Questions from last week?
- Quiz; review via Blackboard.
 - We talked about USB keys spreading viruses
 - Home Depot Caulk
 - Primary and Secondary storage
 - What is what; from slides in week 1 (Primary = Memory)
 - Firewalls
 - Controls the address(s) and port(s) to and from
 - IPSec
 - ESP = encryption of everything; AH = Auth Header encryption



- Quiz; review from Blackboard results Week 4.
- Controls to files
 - Remember that files are controlled by shares and ACL's
- Change the account a service runs as.
 - Remember that modifying all services is under services; the others will be wrong
 - Remember that deny always takes precedence over allow.
 - Remember from previous weeks; we create or talk about creating a helpdesk role. This is not a built in item.



- Quiz; review from Blackboard results Week 5.
- Group Policy Preferences
 - Remember that GPO Preferences are what to do if they are not set on a system.
- Active directory Users and Computers
 - Remember that there are more things in AD than just users and computers
- Why Policy Over Preferences
 - Remember that a policy is enforcement for all users, even ones with local admin access.



- Any Questions from last week?
- Quiz; review from Blackboard results.
- ACL Precedence
 - Remember that deny with ACL's over-ride allow (all objects)
- Controls to files
 - Remember that files are controlled by file shares and ACL's
- Helpdesk group; does not exist.
 - Remember that we talked about least privilege.
- Microsoft Tier'd model
 - We talked about; key take away keep account and password at the same tier.



- Any Questions from last week?
- Quiz; review from Blackboard results Week 6.
- □ SCCM
 - Remember that SCCM is a way of patching large numbers of computers.



- Any Questions from last week?
- Quiz; review from Blackboard results.
- Base line
 - Remember that a base line is what we want; not what the vendor starts an OS.
- Configuration drift?
 - This is the term used for where we want our baseline vs where it is now; possibly not in a state we want our computers
- Active directory Users and Computers
 - Remember that there are more things in AD than just users and computers
- Why Policy Over Preferences
 - Remember that a policy is enforcement for all users, even ones with local admin access.



Quiz Questions Review (cont)

Any questions on quiz questions?



Review for Test 1

□ Test 1 Review.



Review for Test 1 (cont)

Any questions on Test 1 review?



Assignment 3 Overview

- Requirements Same teams members as before.
 - A report of the CIS baseline built into a GPO
 - Note: there is a report feature for a GPO to where the setting that have been applied can be exported into a report file; that is the report I'm referring to here.
 - Applied to the same DC Windows desktop pair we have been working from assignment 2.
 - A video from the team as how this improves our security with faces and voices.
 - Expand upon the GPO that was created in assignment 2 from 20 settings to what the team feels sufficient to secure Windows desktop.
 - This assignment builds to what is presented to the Pen-Testing class for Assignment 4, so the 4th grade is how well the team does in it's selections from the baseline in assignment 3.
- Due Date: March 23rd 11:59pm
 - □ Late assignments have a 10% penalty per week.



Assignment 3 Overview (cont)

Questions?



Next Week

- Questions from previous week
- Logging
 - Windows Event Viewer (eventvwr.exe)
 - Paid Products
 - Splunk
- Assignment 3 (Due Mar 23rd)



■ We can start Test 1

