LIS4774 Information Security
Dr. Metcalfe
October 28, 2021
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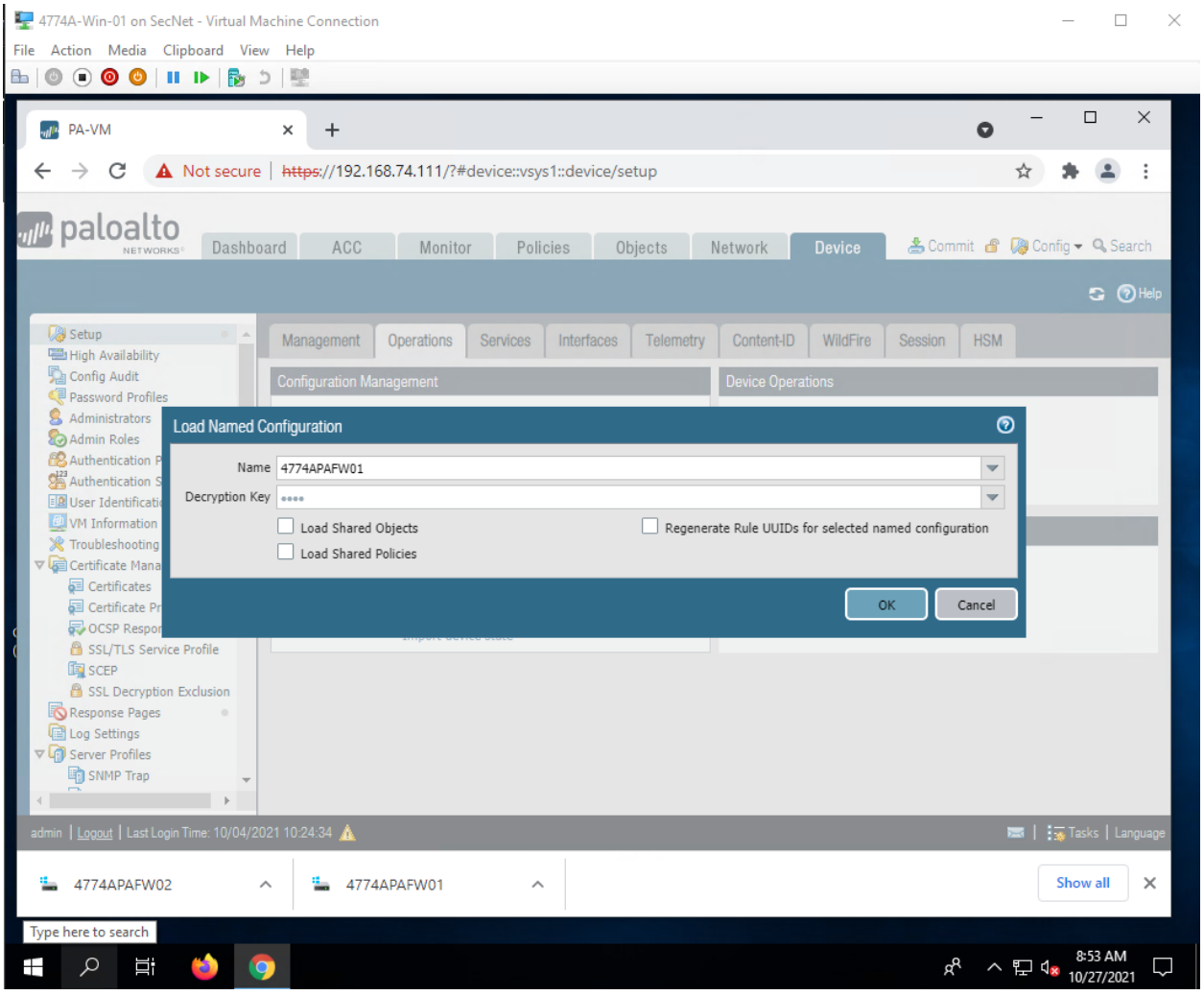
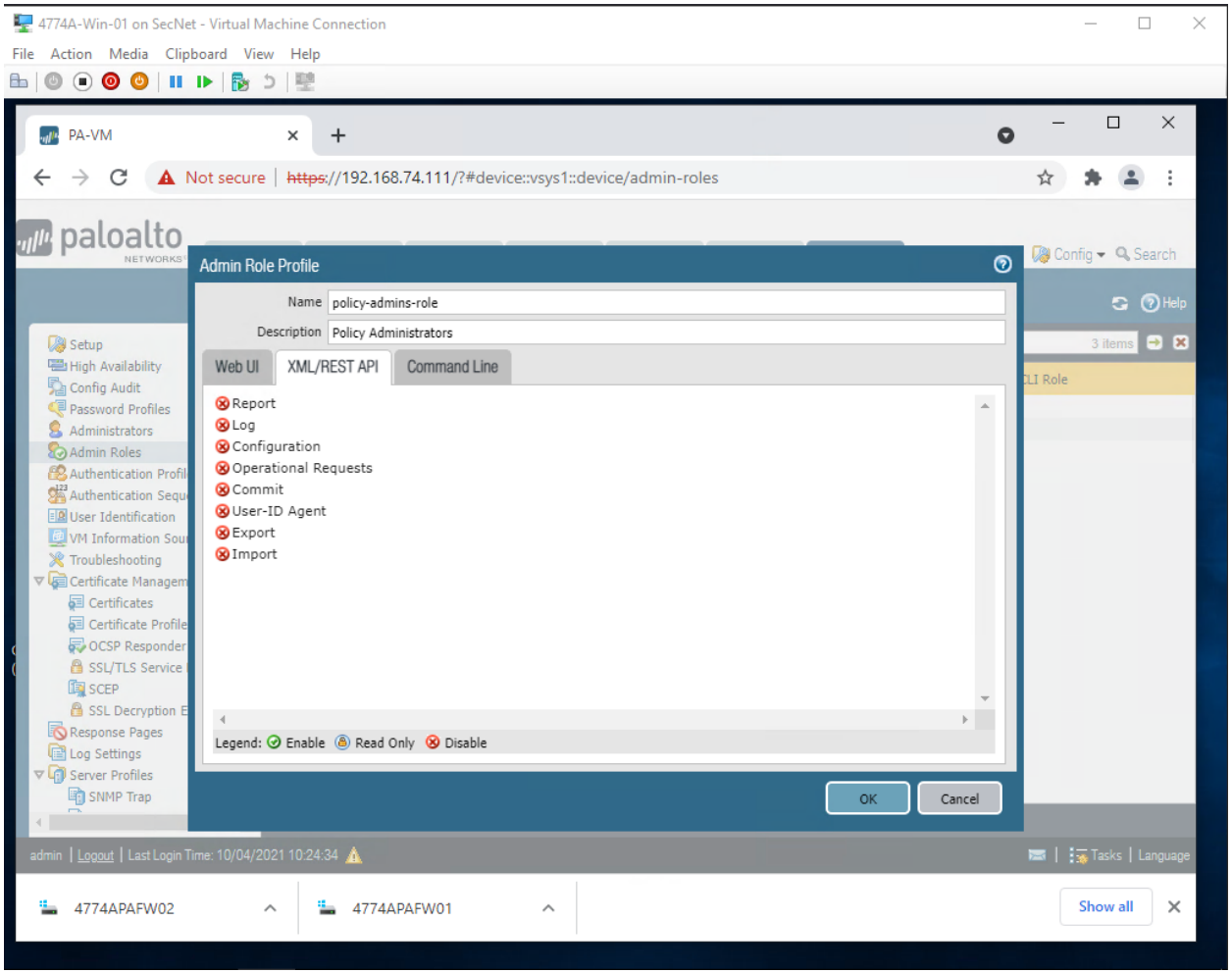
Lab 8 - PANFW-9.1.9
Firewall 1

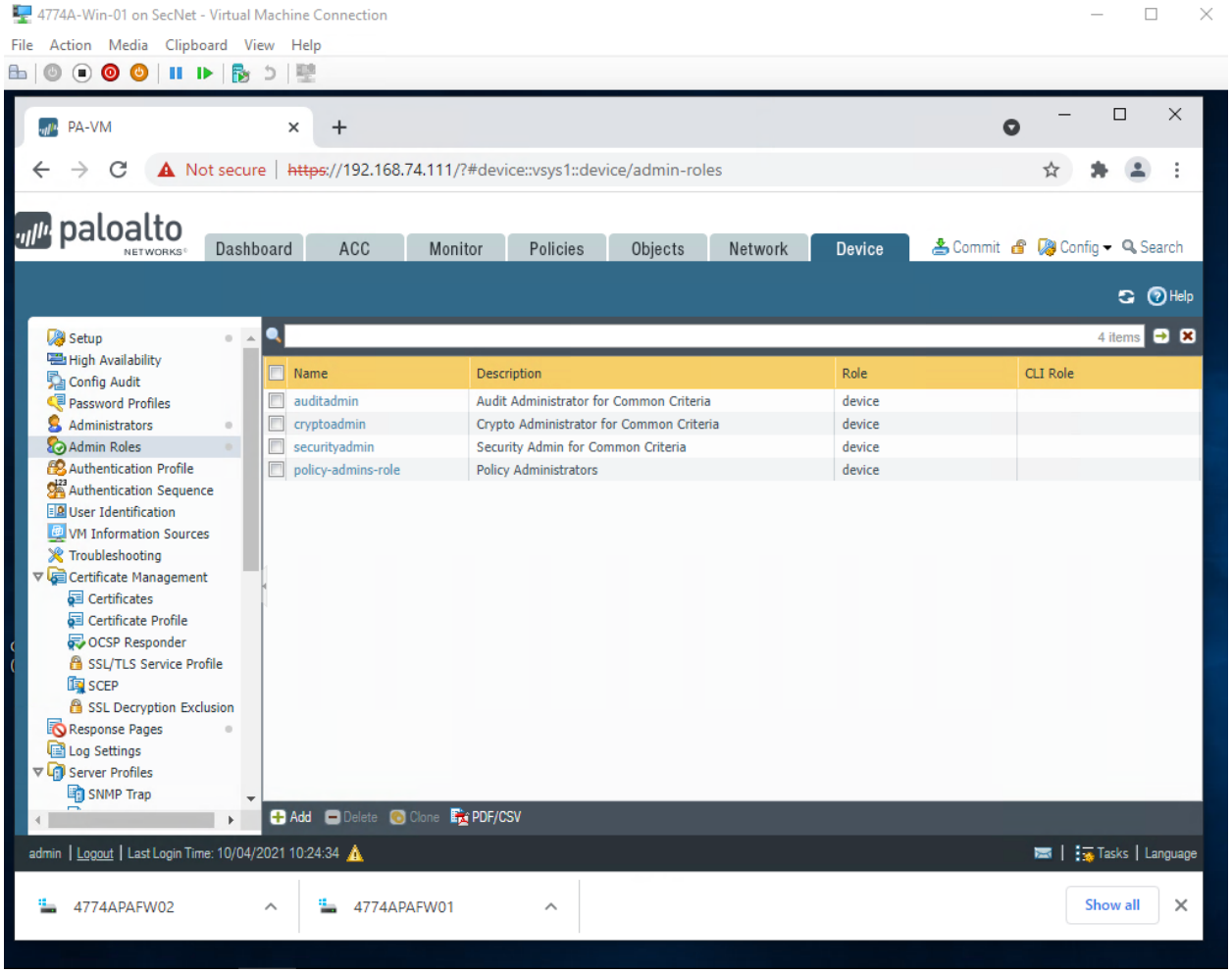
Loaded pre-configured firewall configuration into firewall



Added policy administrator role Monitor, Network, and Device manually disabled.



Policy Administrator Role added to Admin Roles



Custom Policy Administrator account created

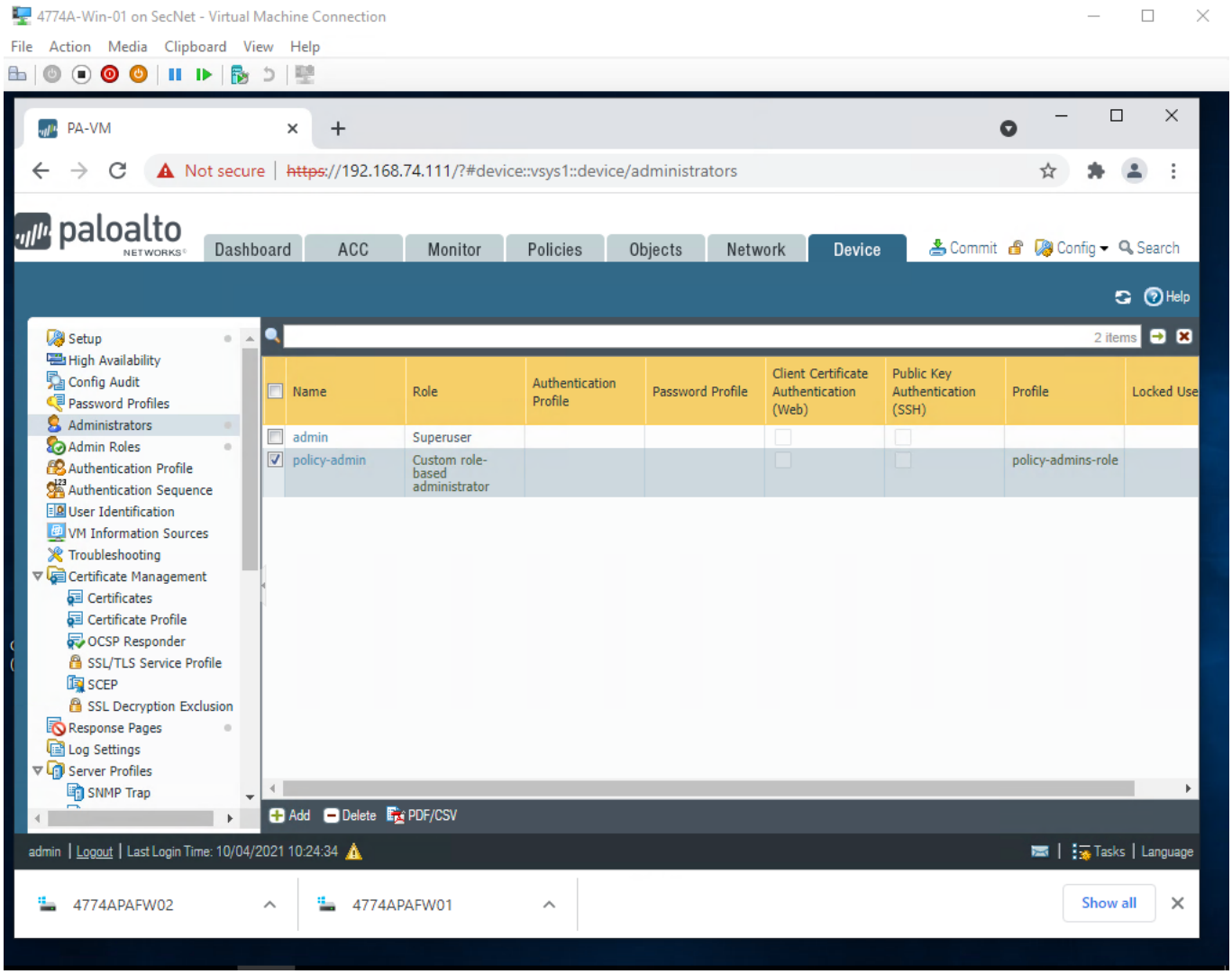


Figure 2.4: Signing into PAFW01 using PuTTY

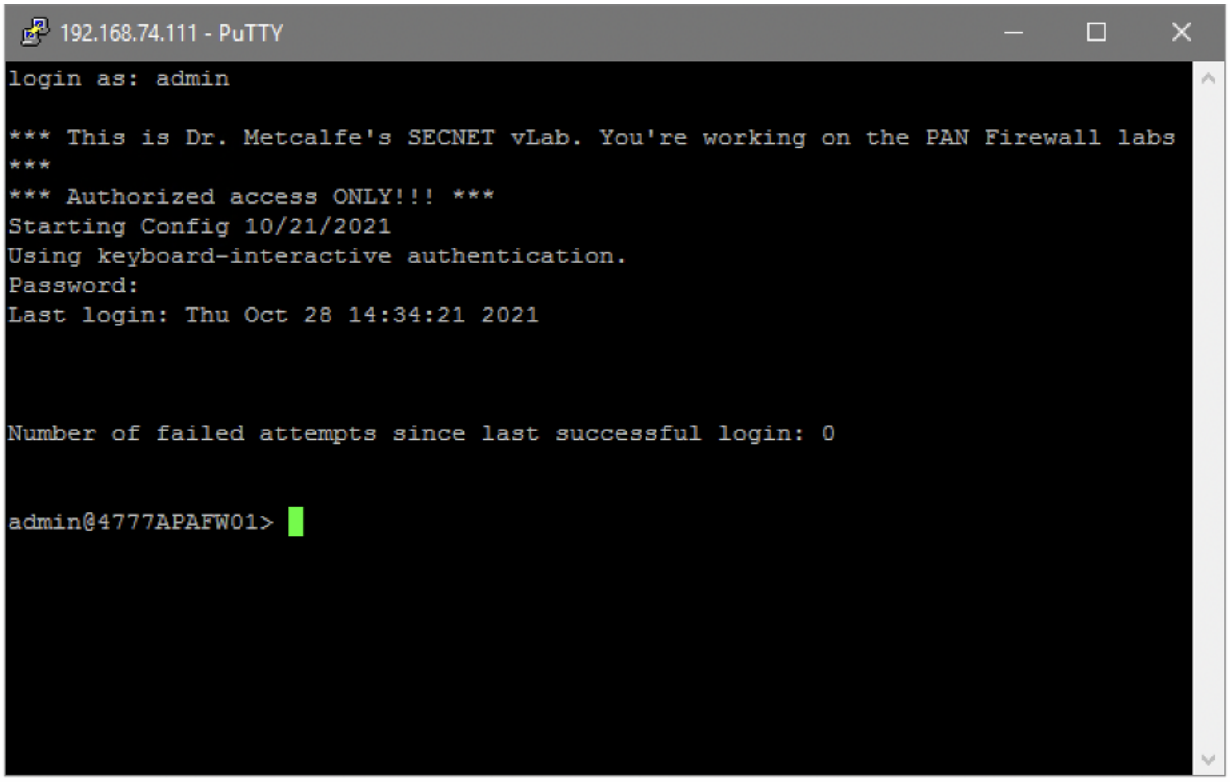


Figure 2.5: Taking Lock and not allowing commits

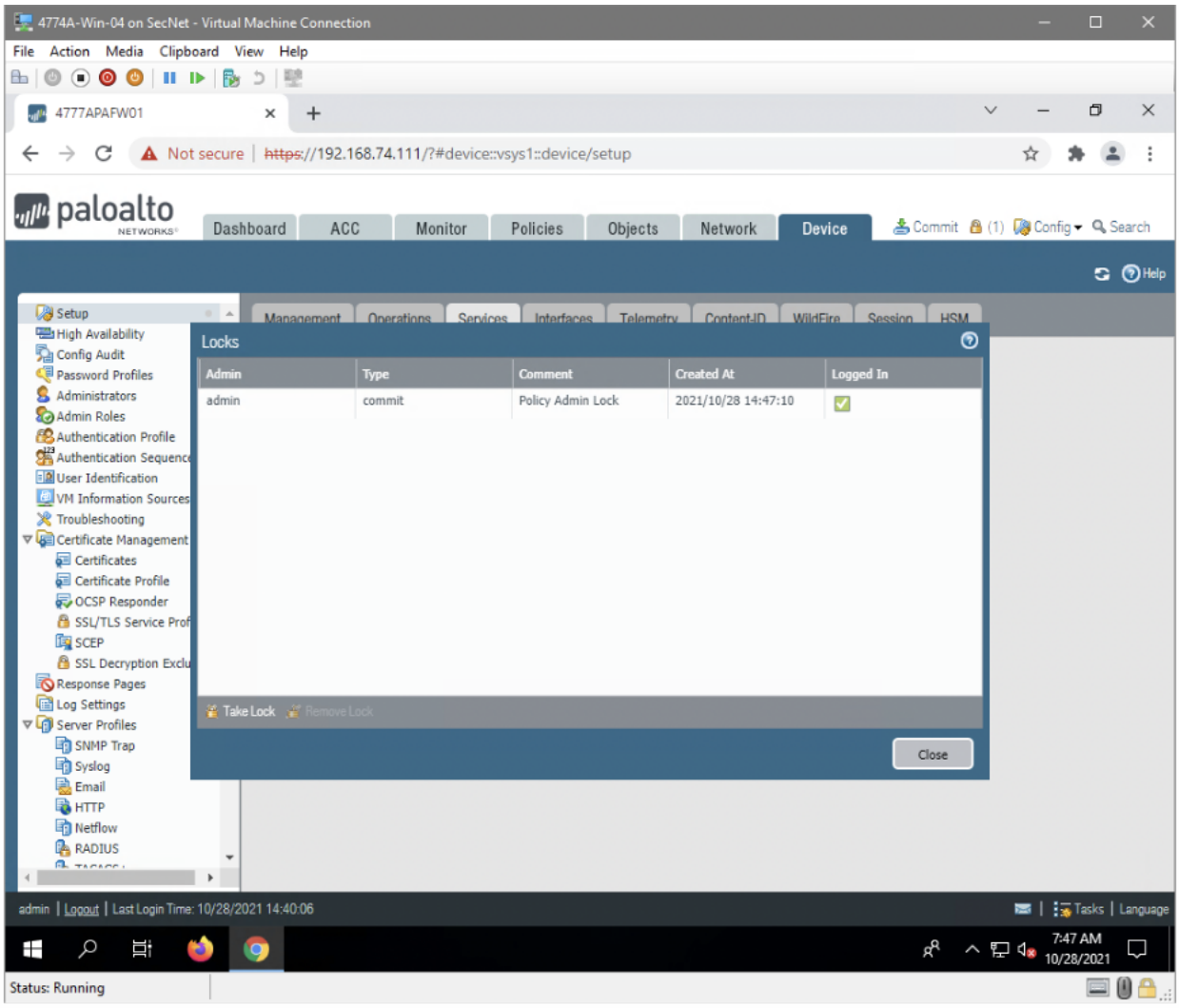


Figure 2.6: Verify the Update Server and DNS Server

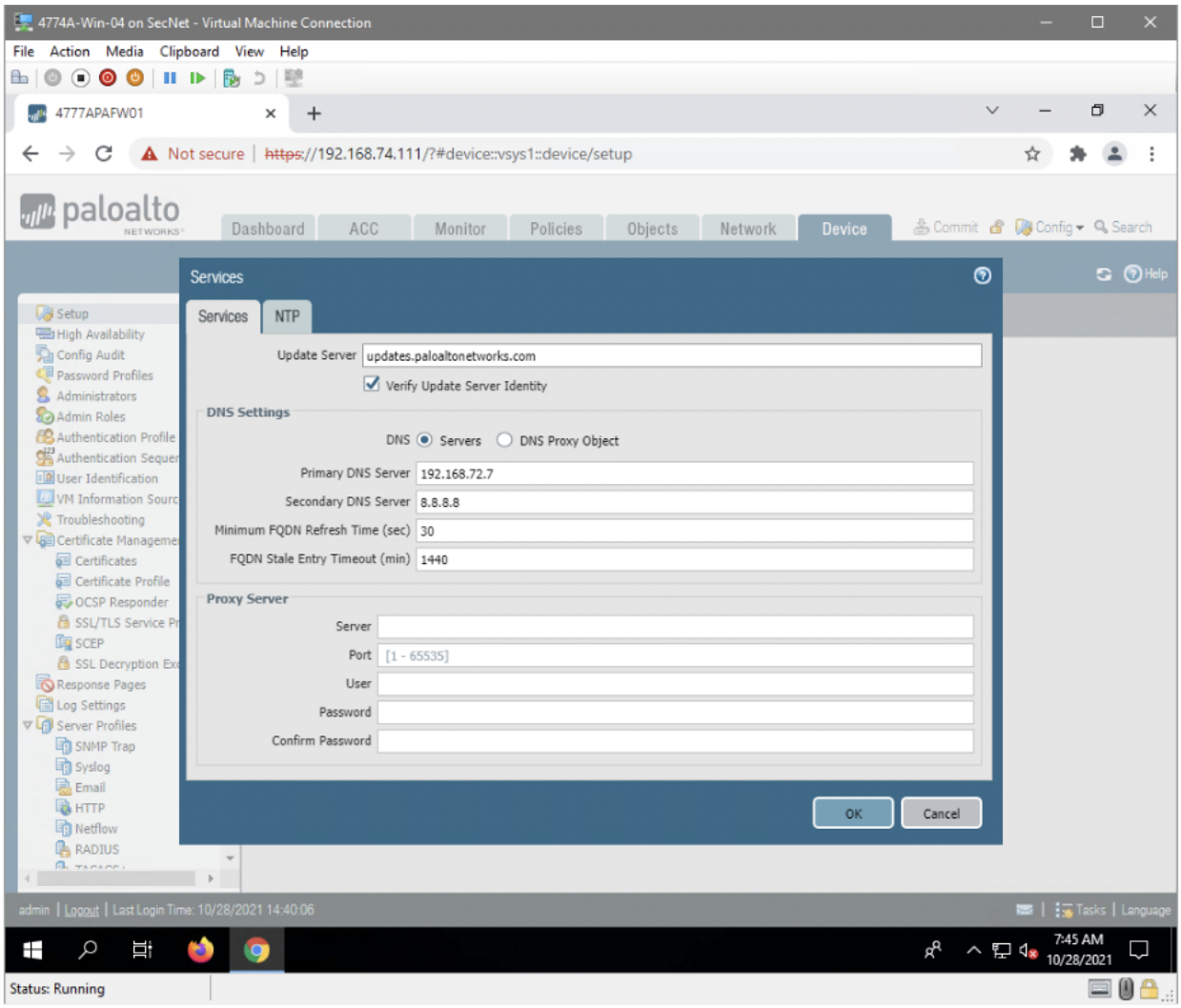


Figure 2.7: Configuring and scheduling dynamic updates

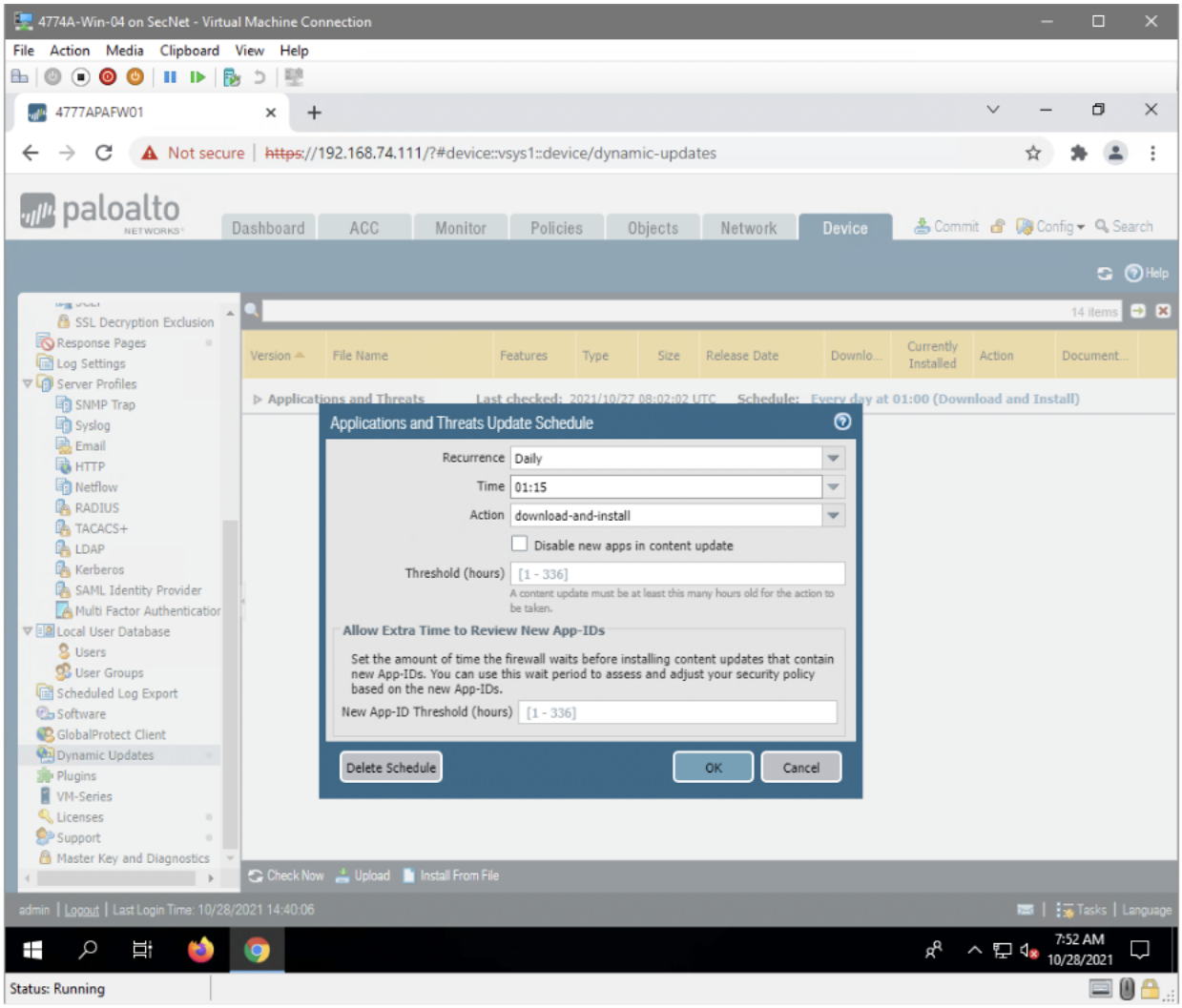


Figure 5: Pushing / Committing all changes so they save

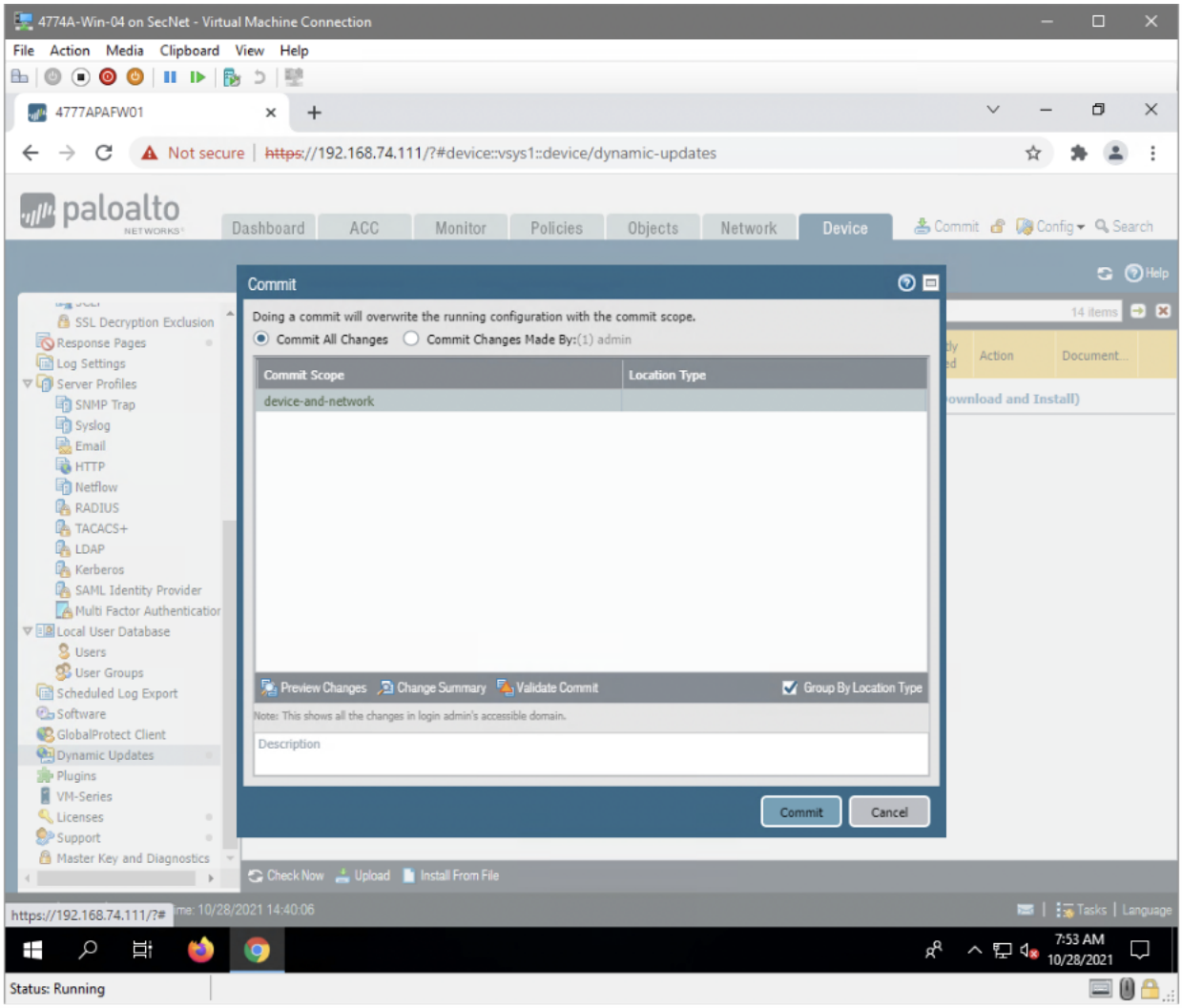


Figure 3: Loading Lab Configuration

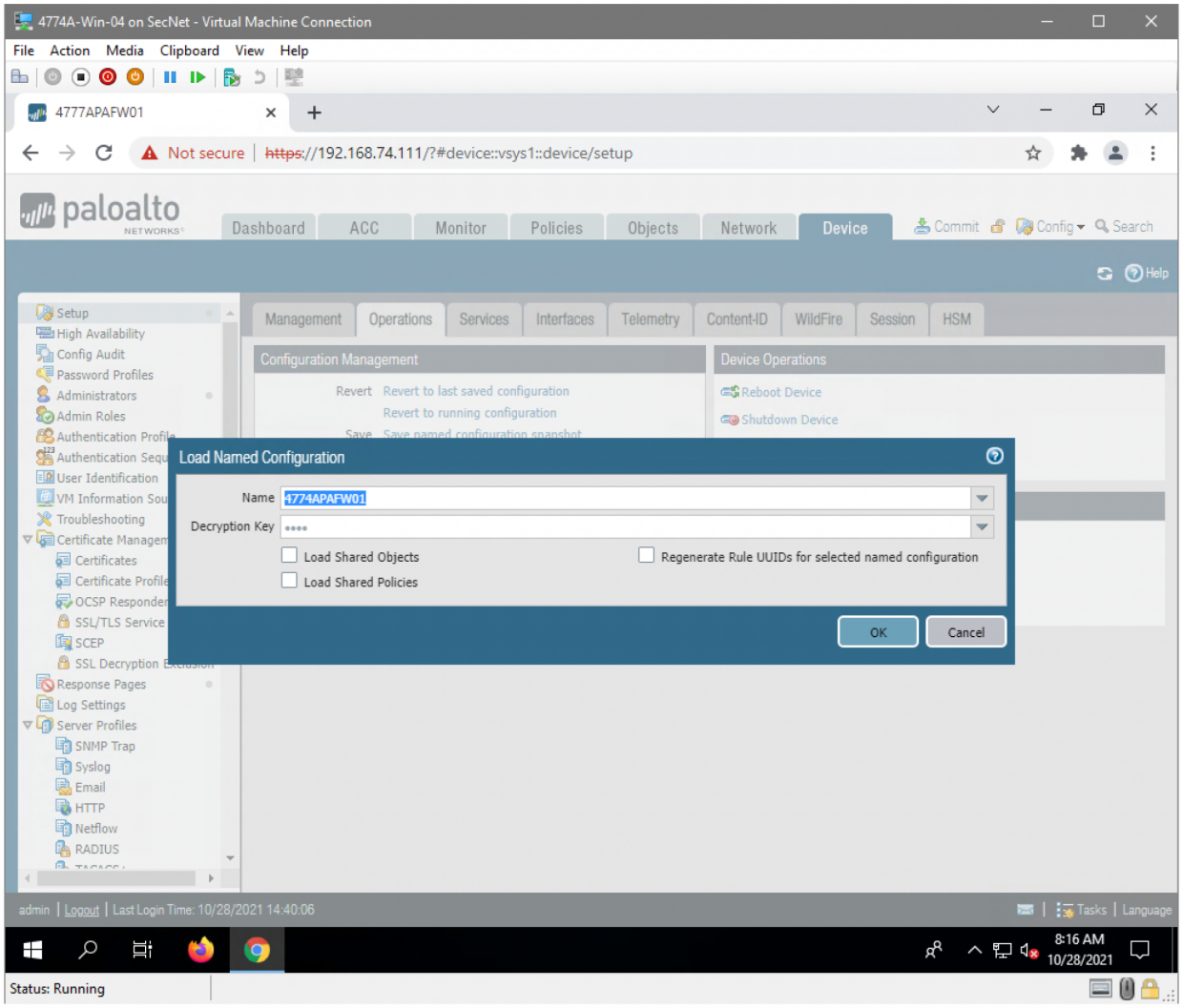


Figure 3.1: Adding new security zone with Layer3 fw

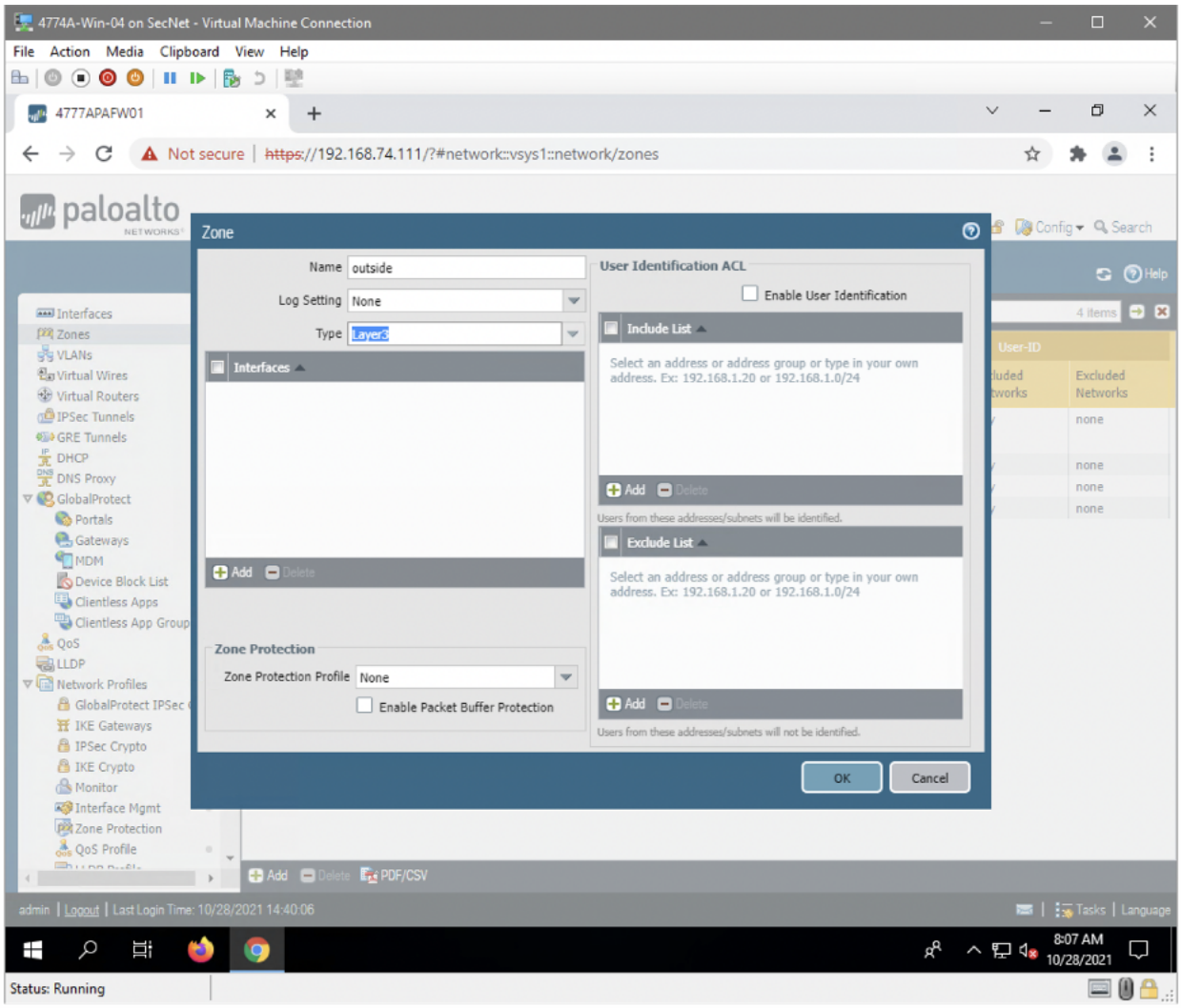


Figure 3.2: Creating Interface Management Profiles

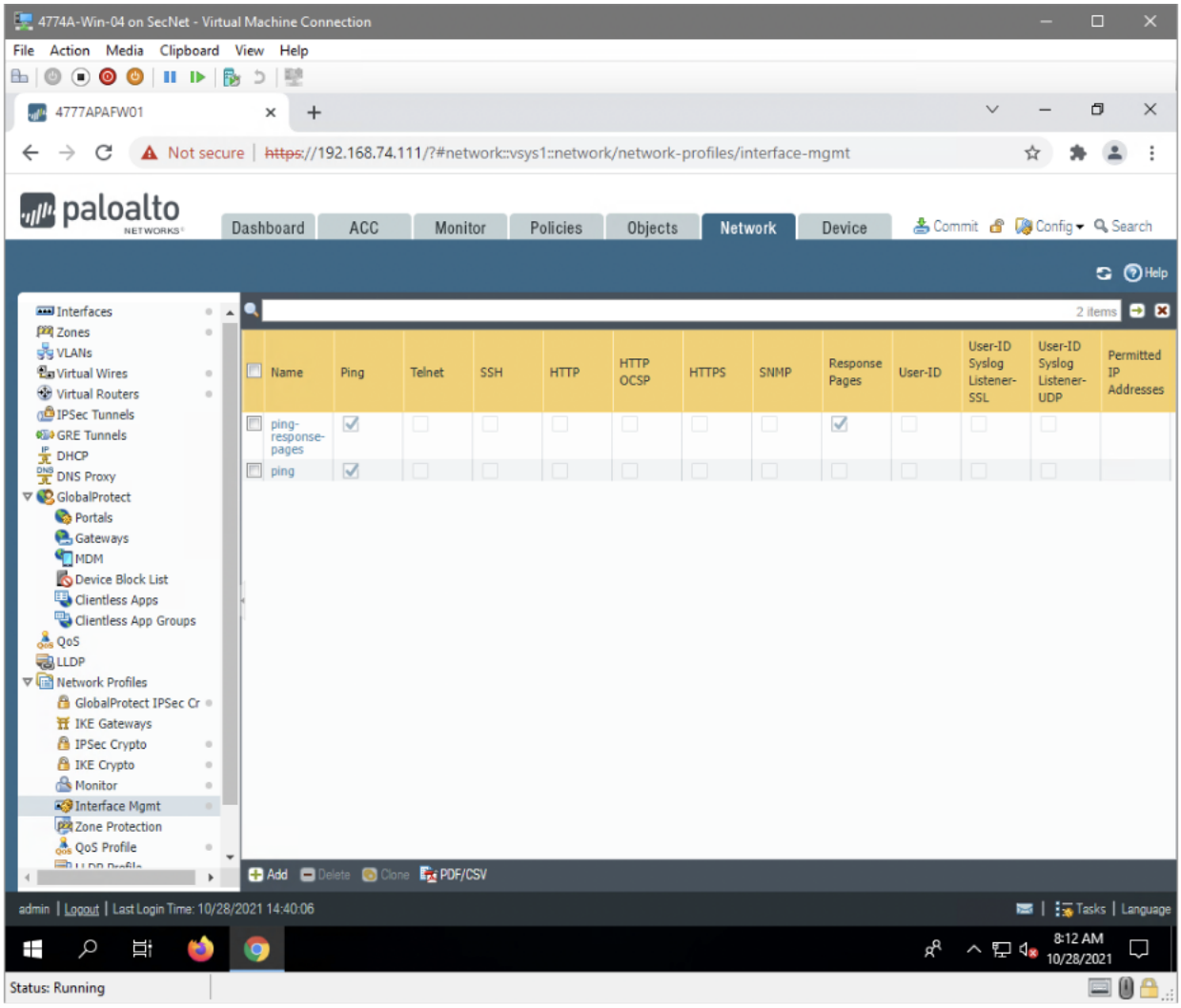


Figure 3.3: Configuring Ethernet Interfaces and Adding New Security Zones

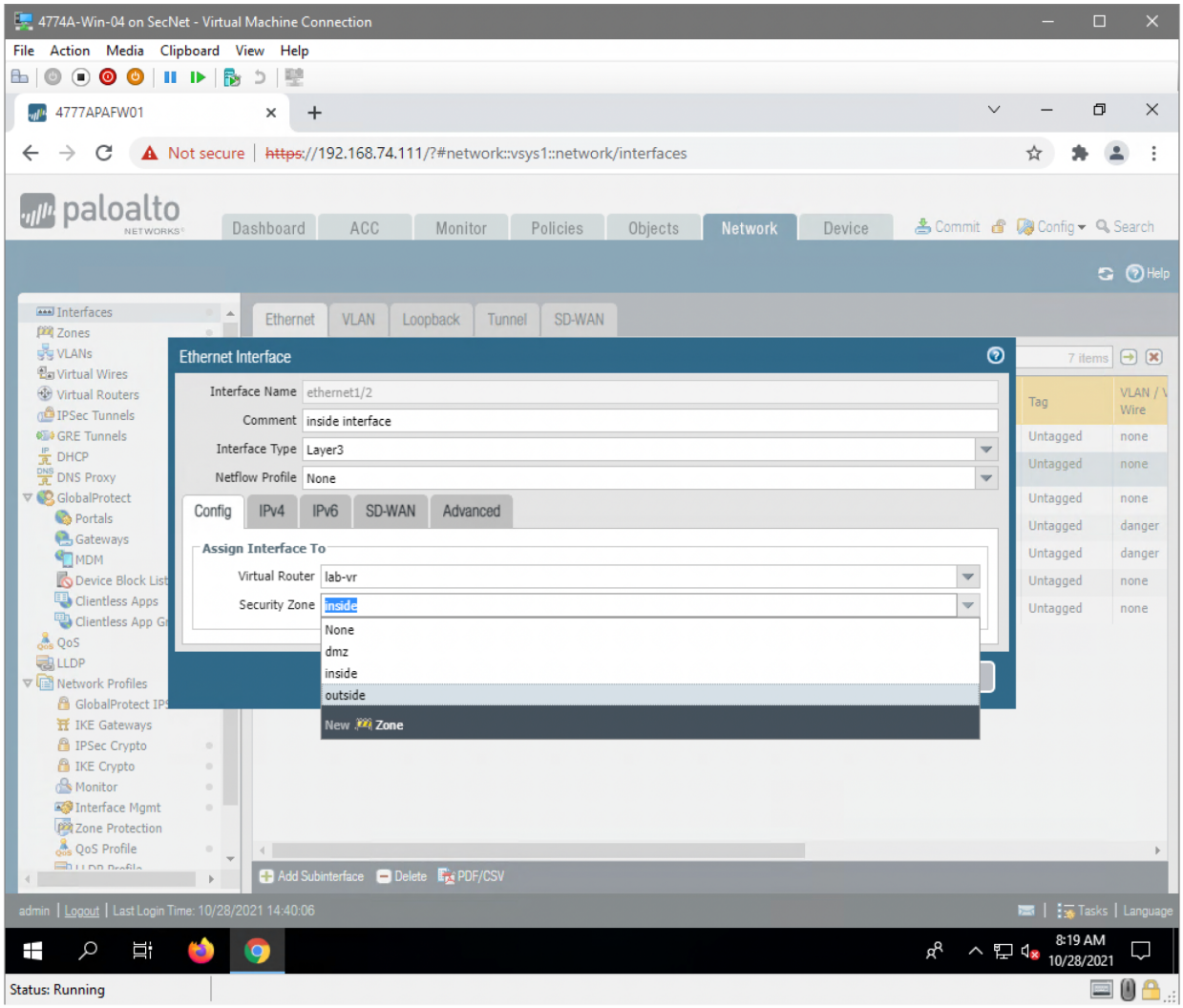


Figure 3.3.2: Configuring Ethernet Interfaces and setting up all of them to filter

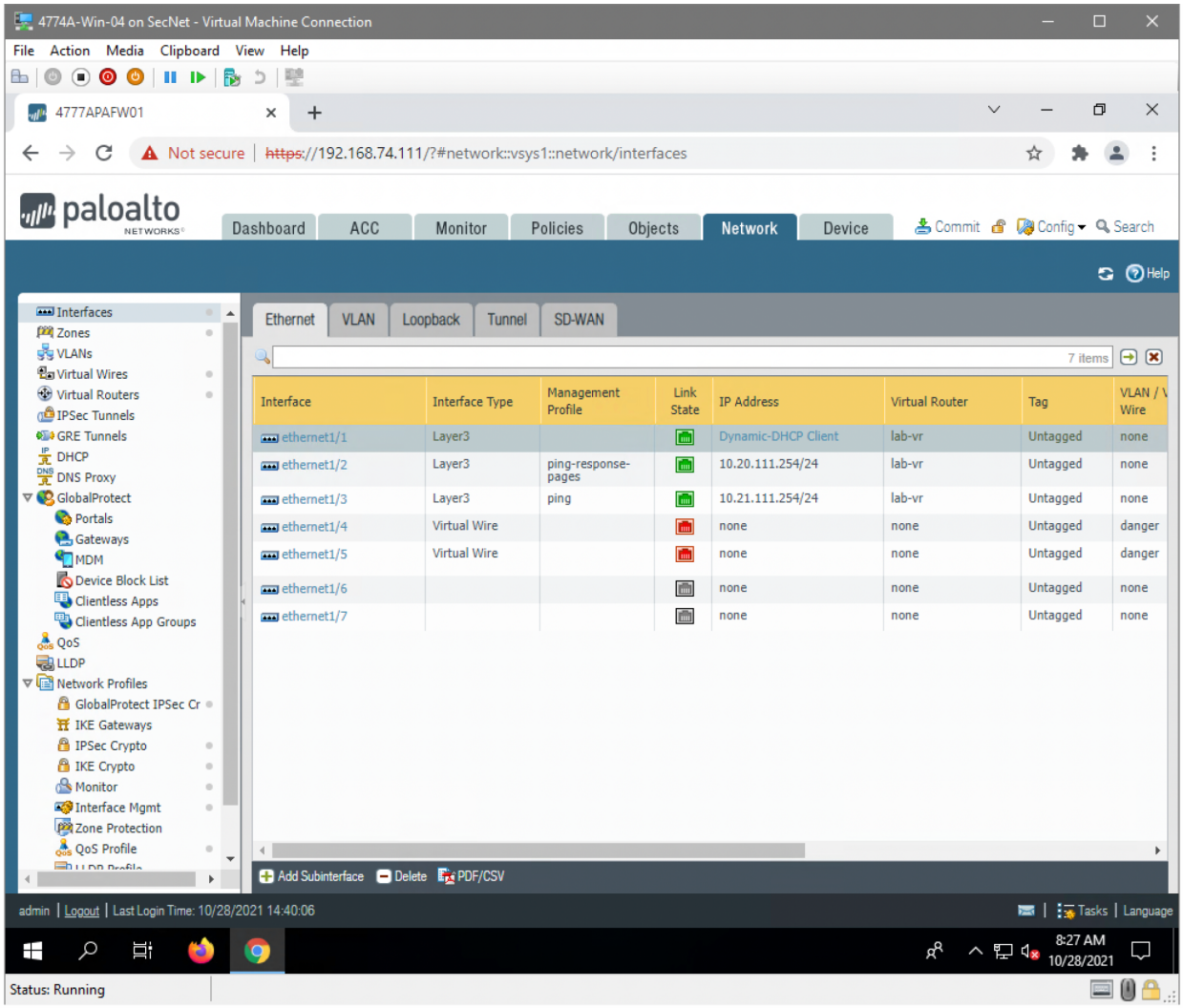


Figure 3.4: Creating a virtual wire, binding ethernet 1/4 and 1/5 together.

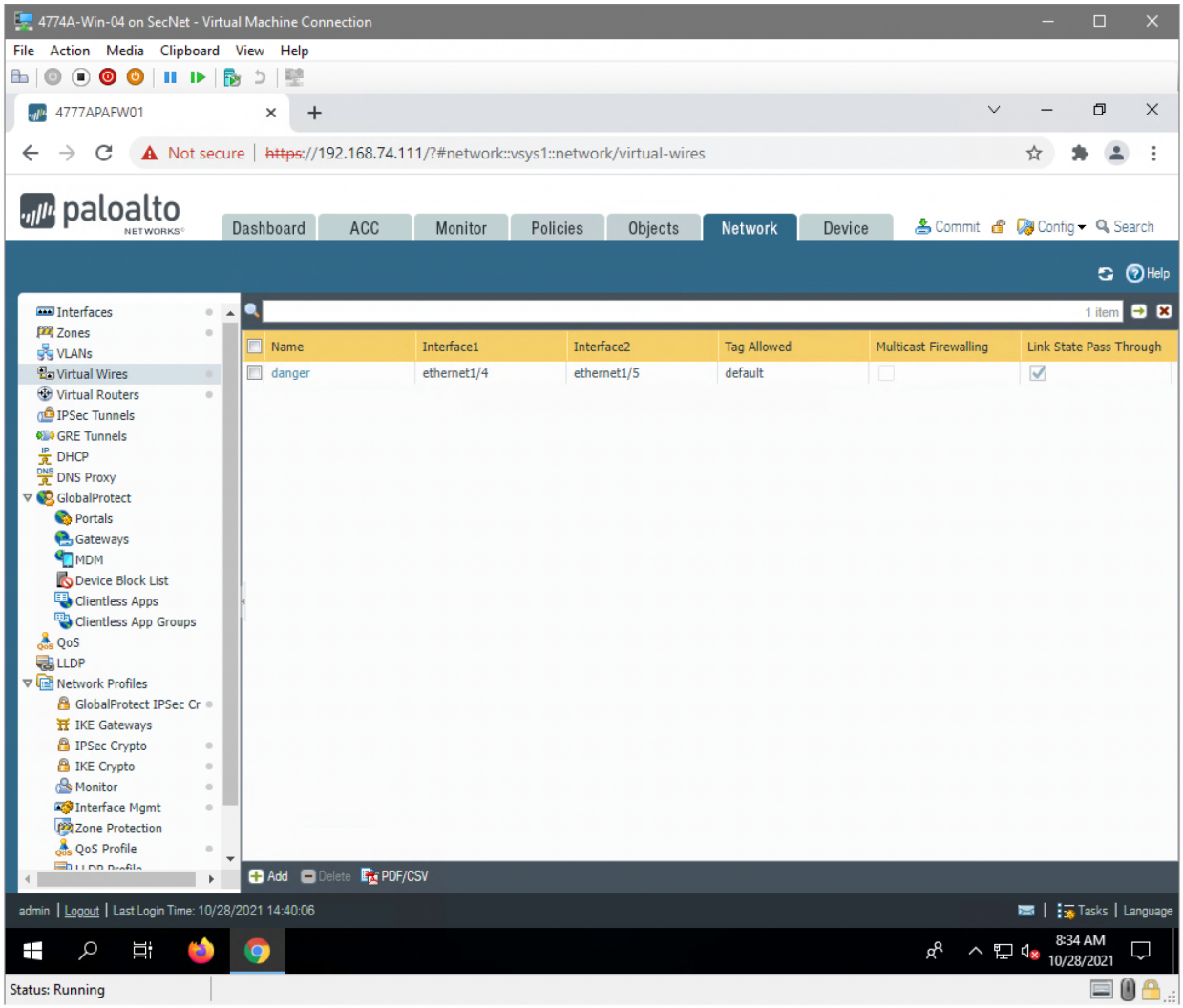


Figure 3.5: Creating virtual router and allowing all 3 interfaces to route traffic to each other.

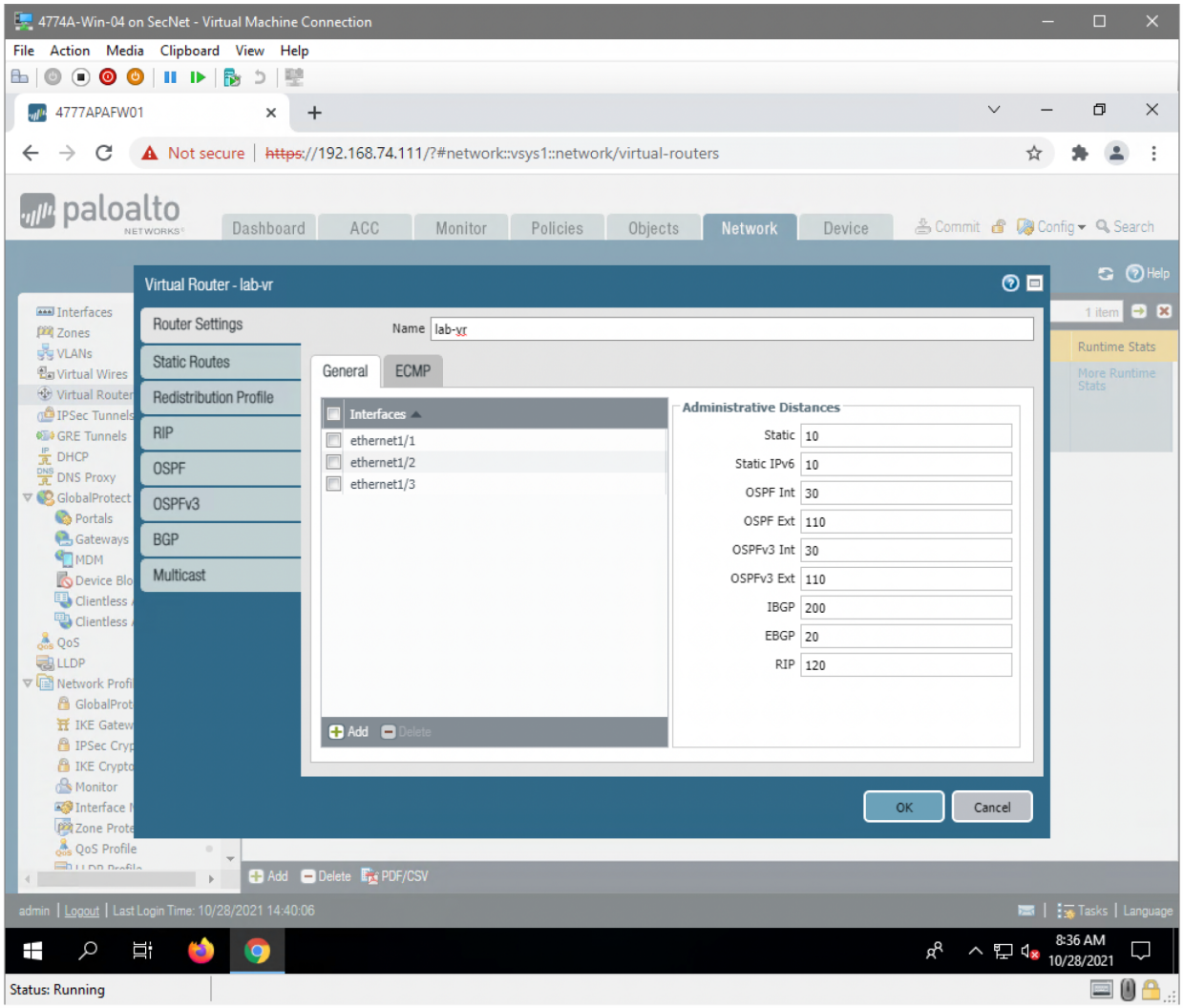


Figure 3-4: Setting static IP address on Interface 1

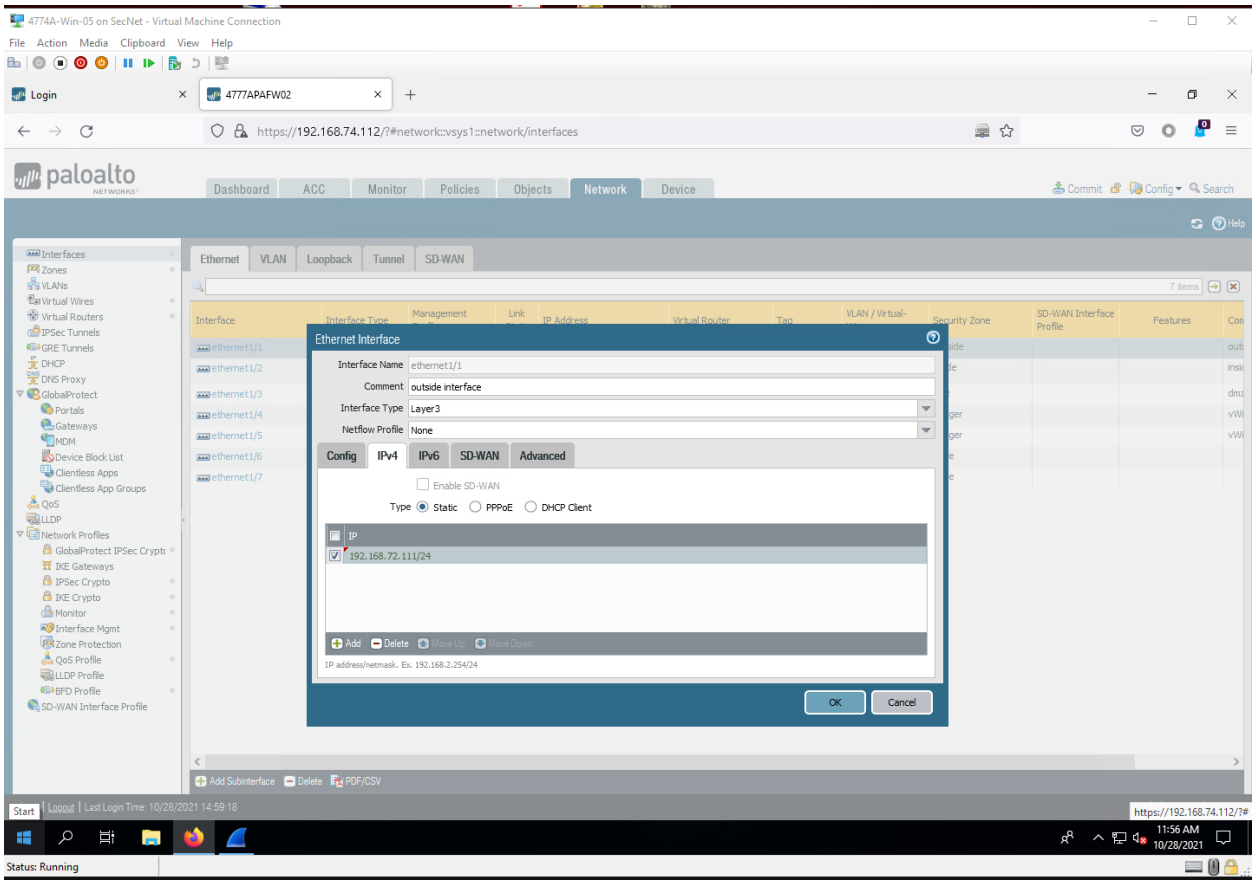


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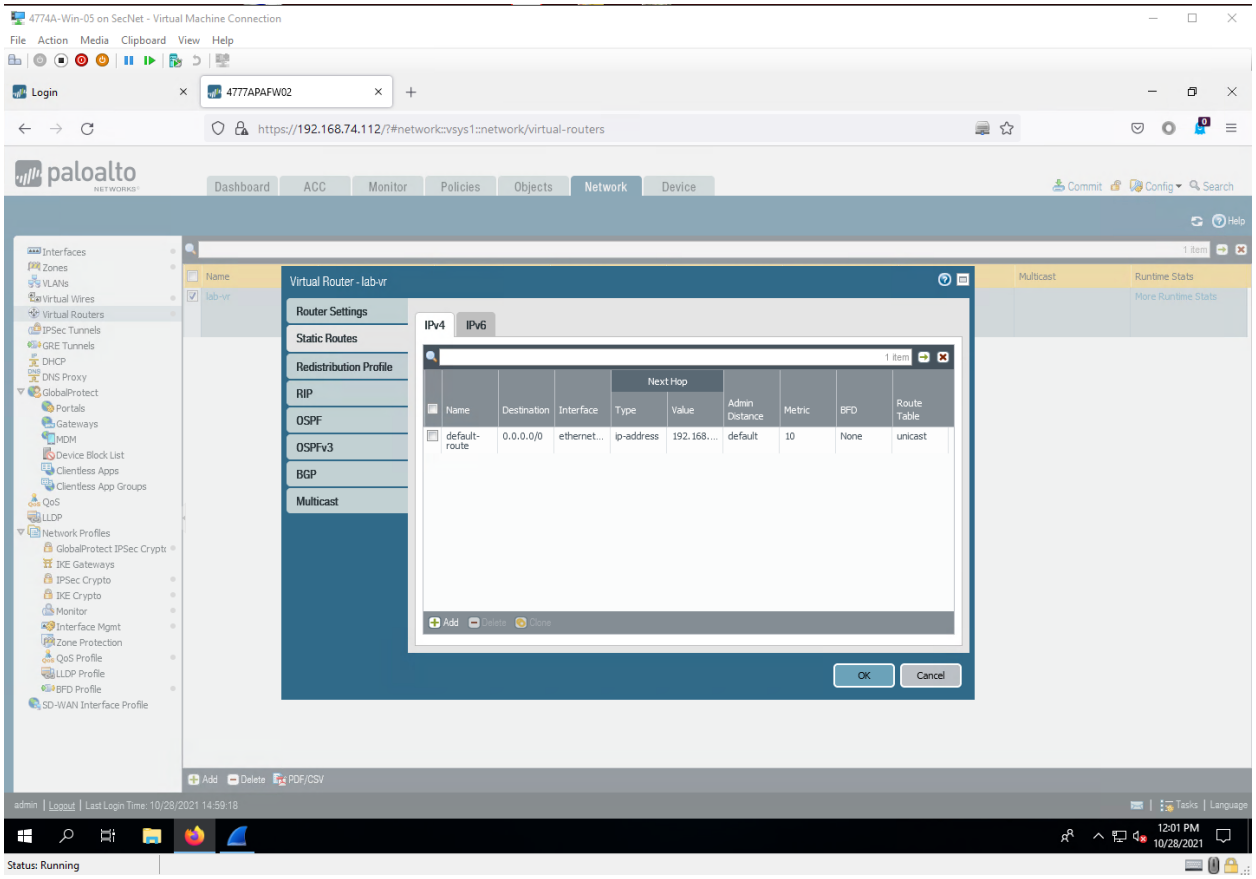
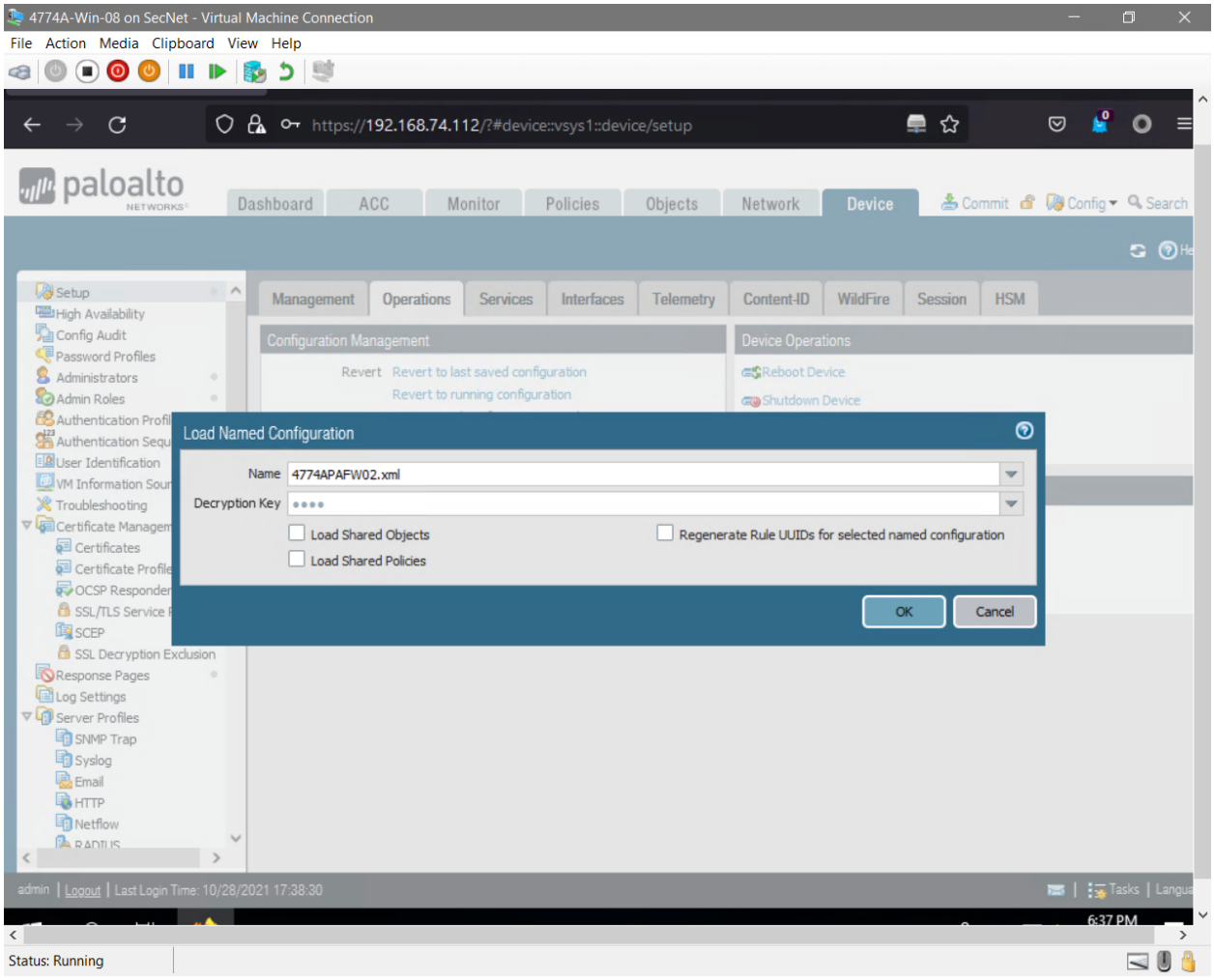
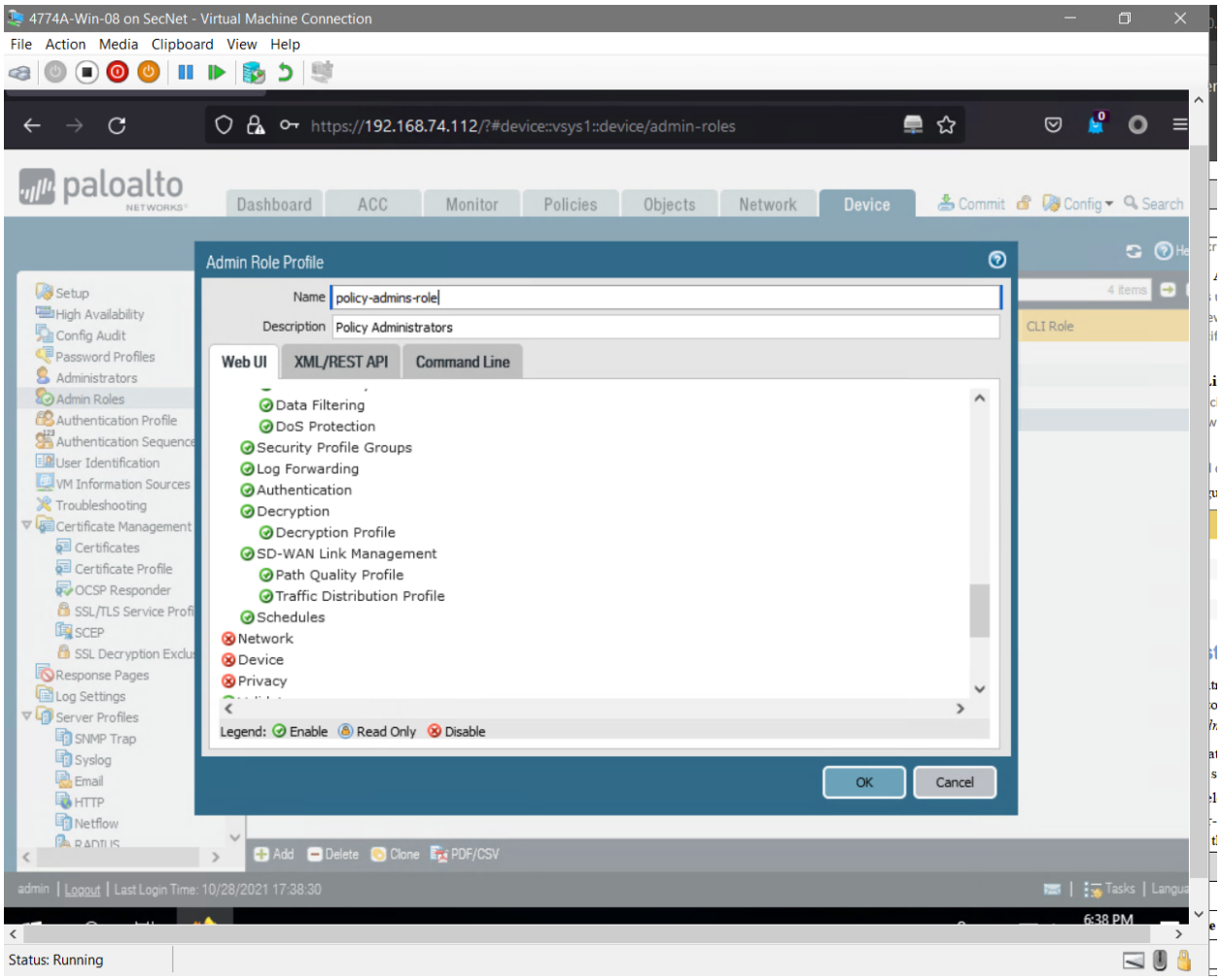
Figure 3-4: Adding static route to virtual router



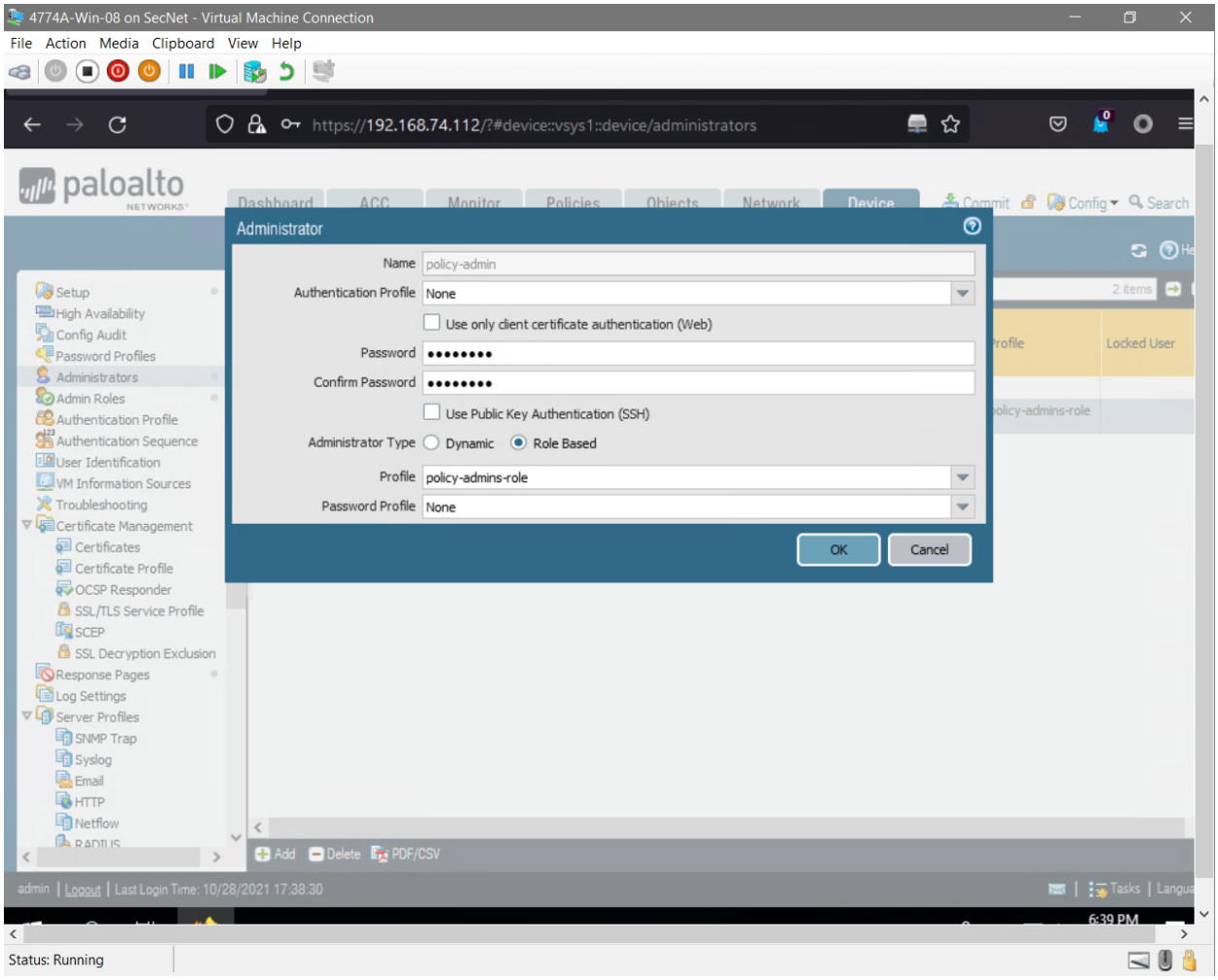
Firewall 2



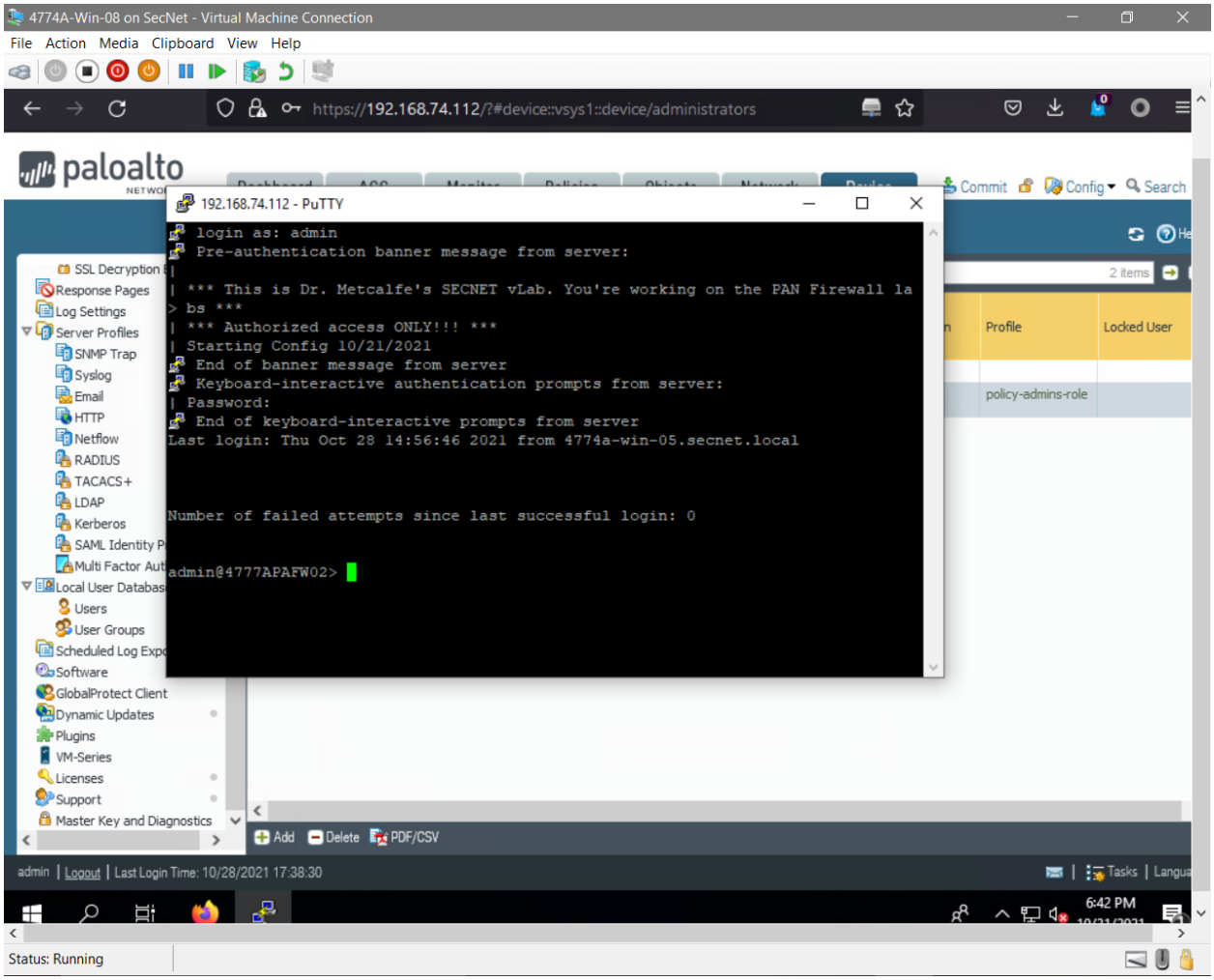
Loaded Firewall 2 configuration file



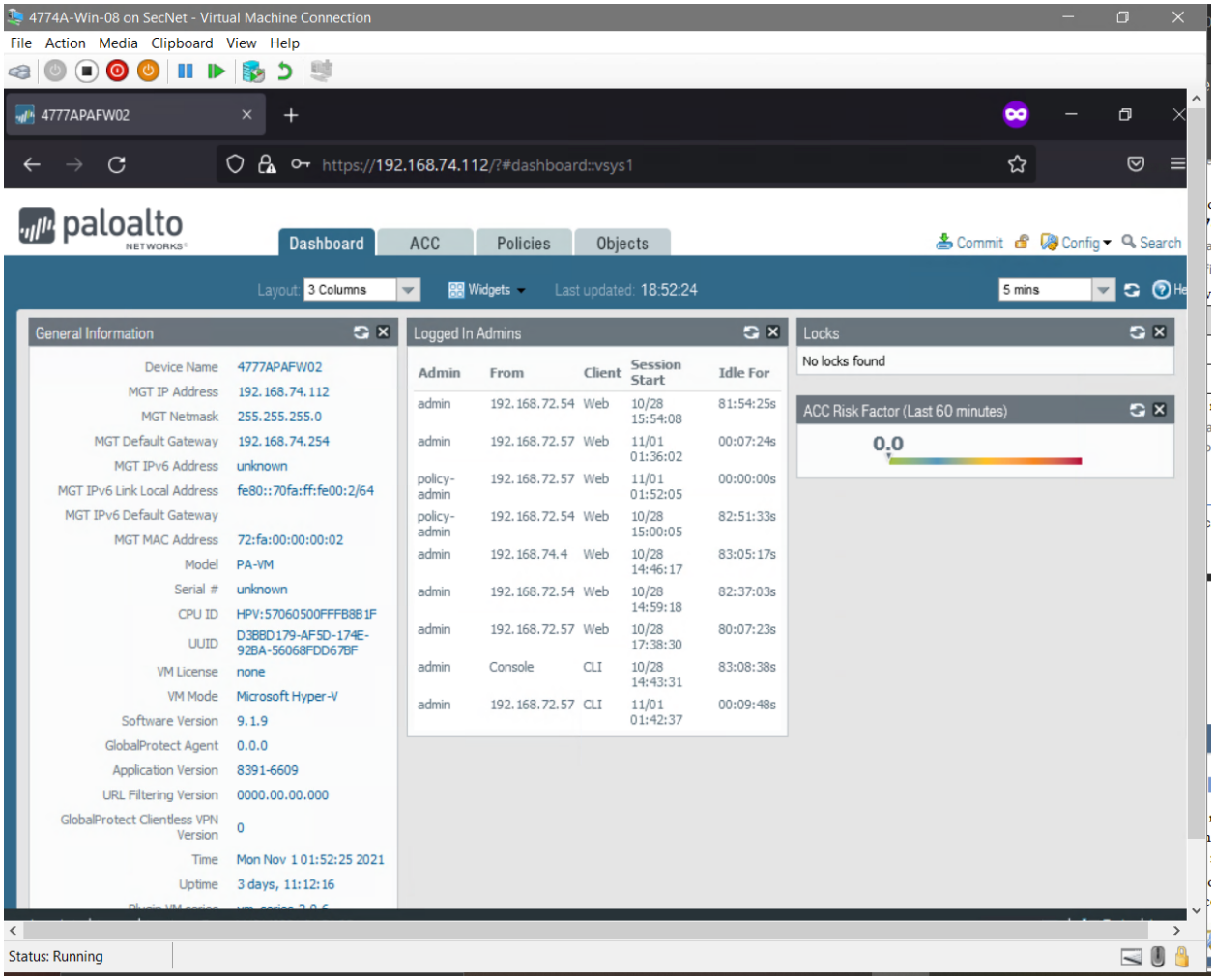
Added Policy-Admin role



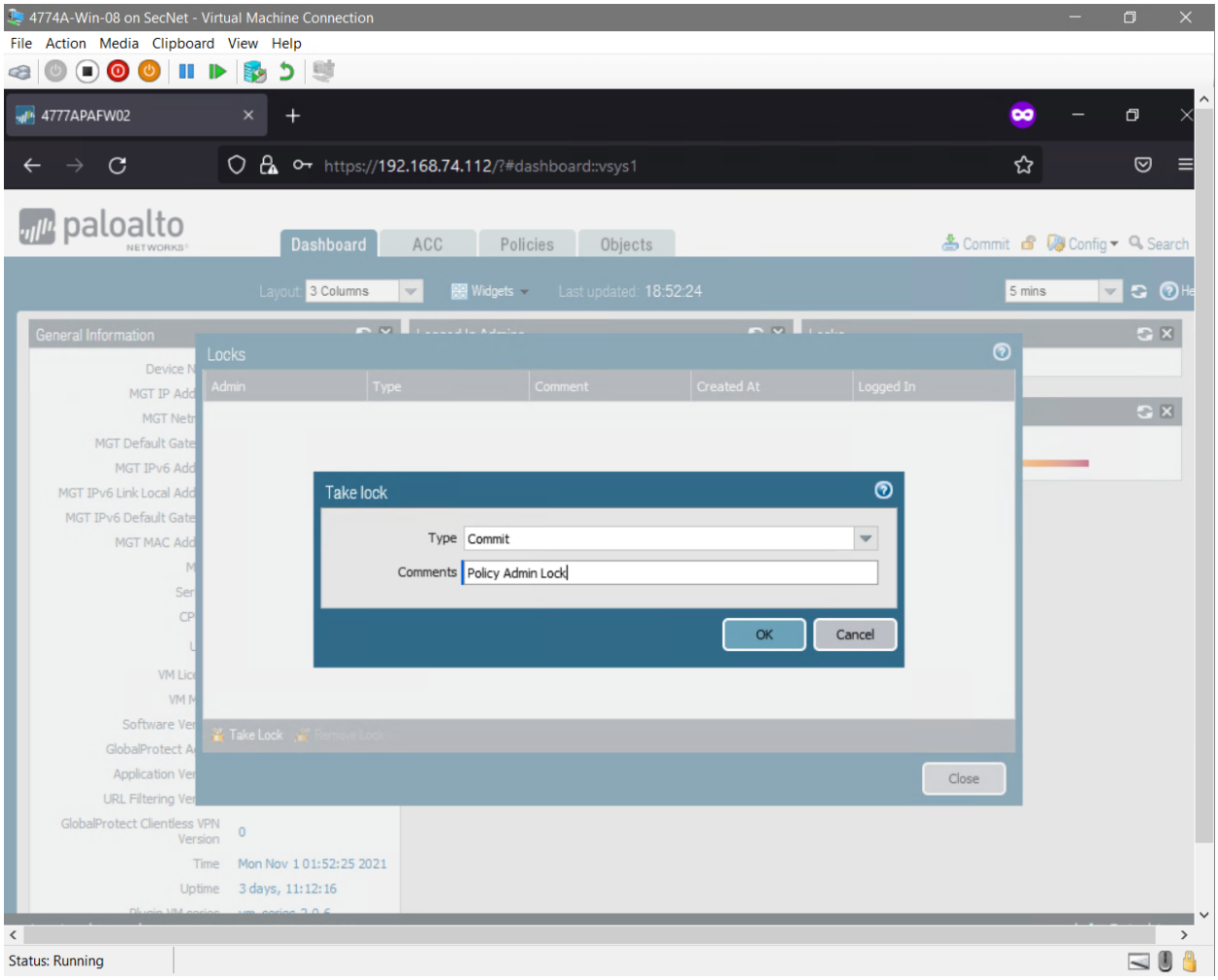
Created Policy-Admin account



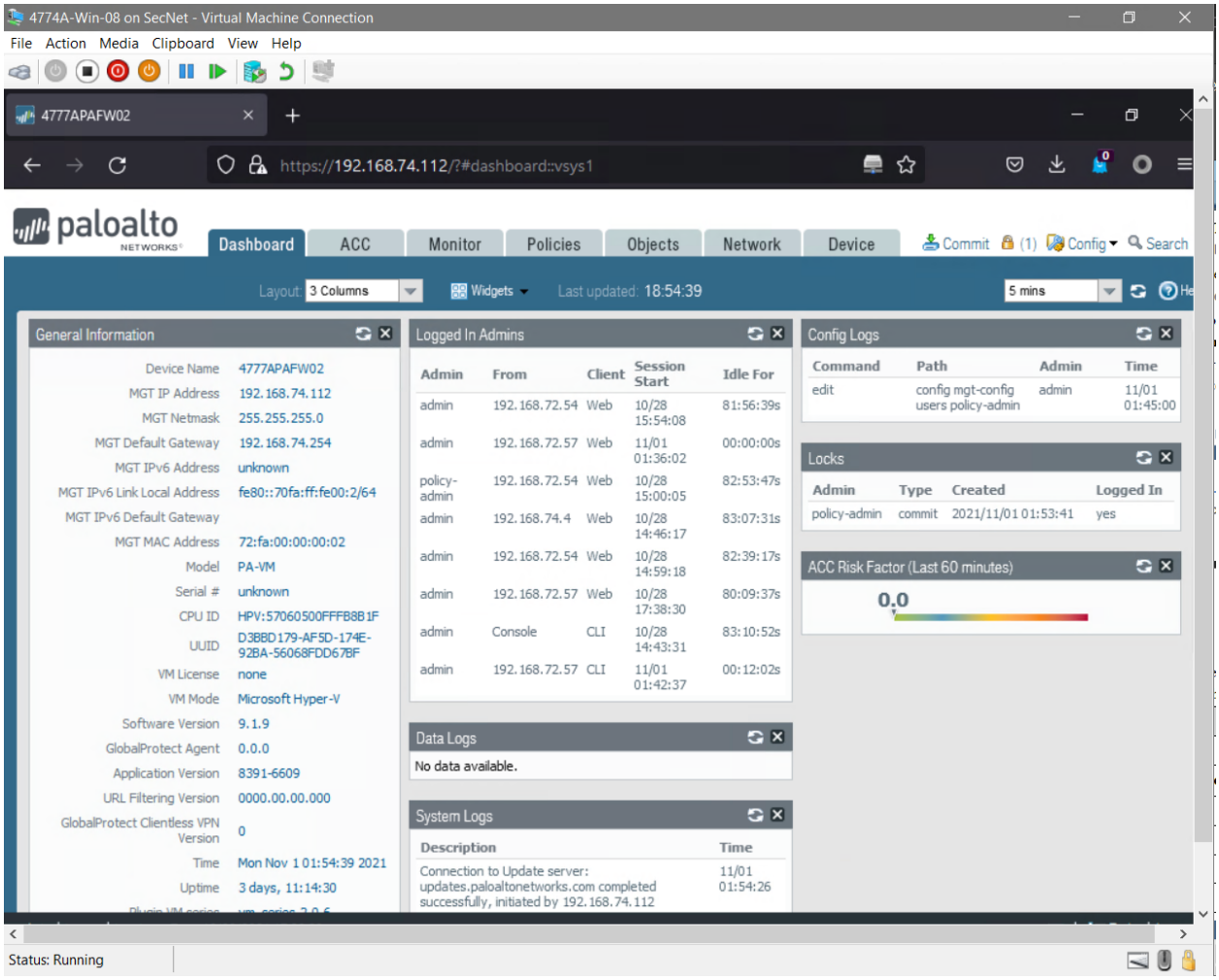
Successfully tested admin account. Putty closed automatically successfully when logging into policy-admin due to lack of CLI permission.



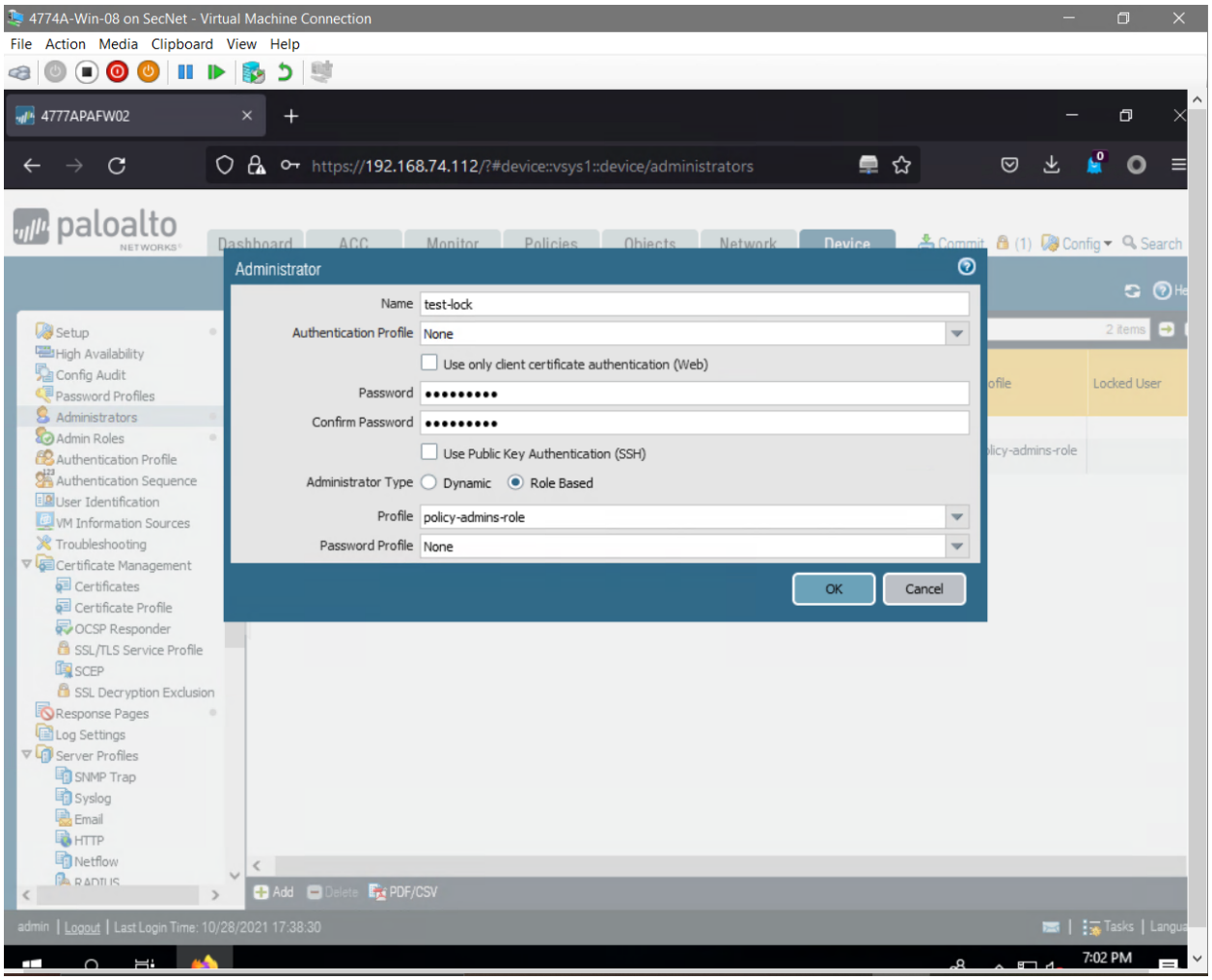
Successfully logged into policy-admin account on web interface



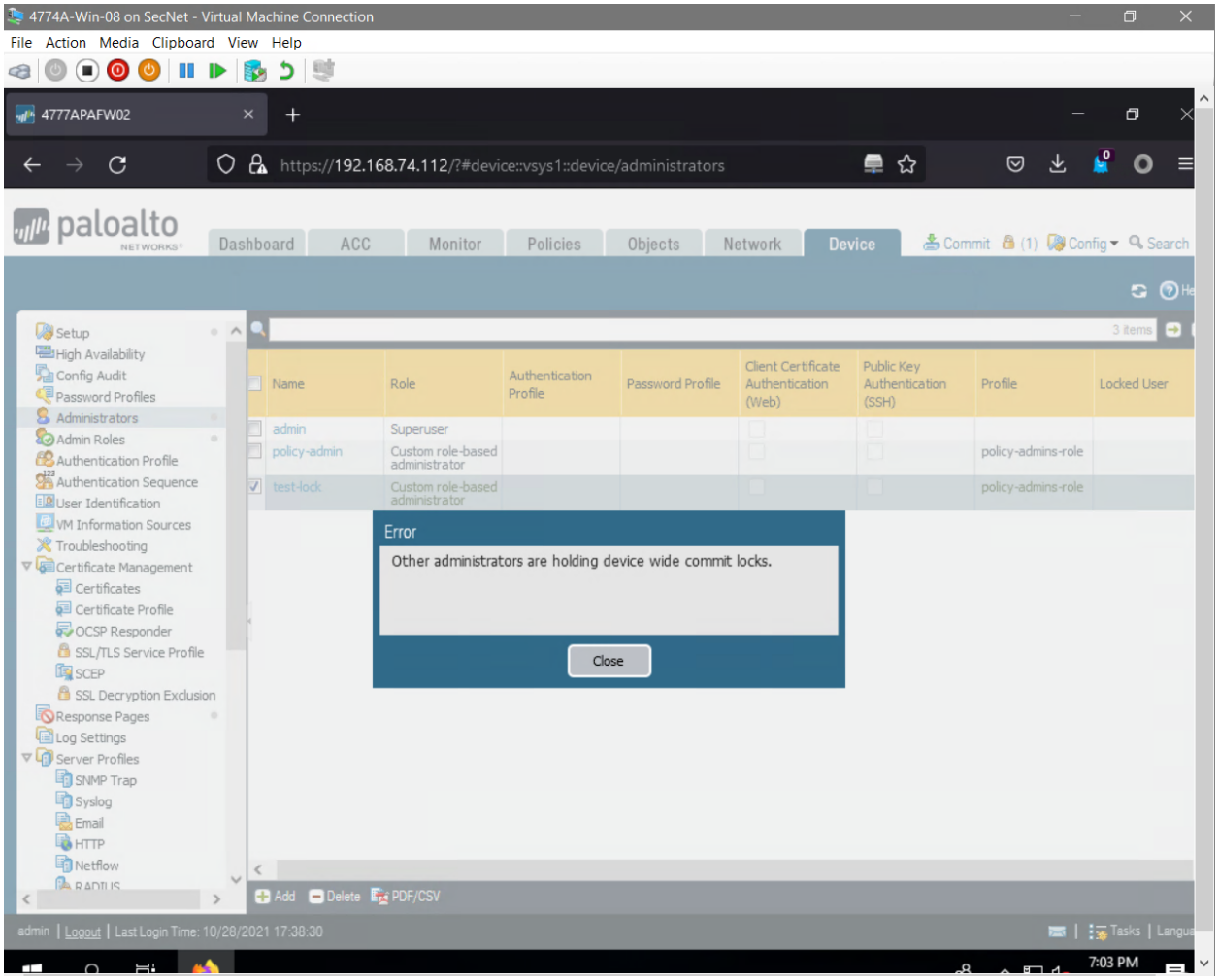
Added a policy-admin lock



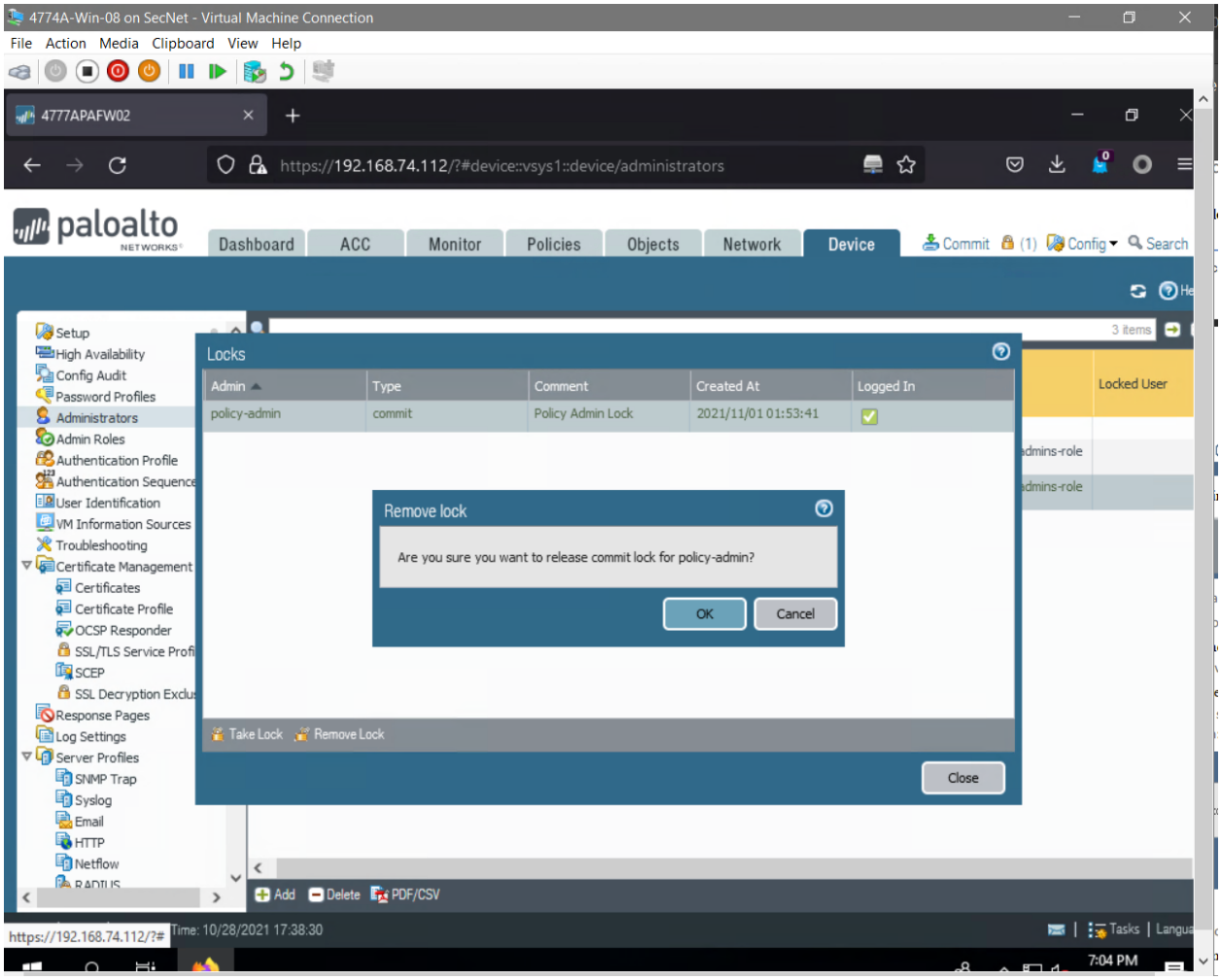
Policy admin lock was successful when viewed from main admin account



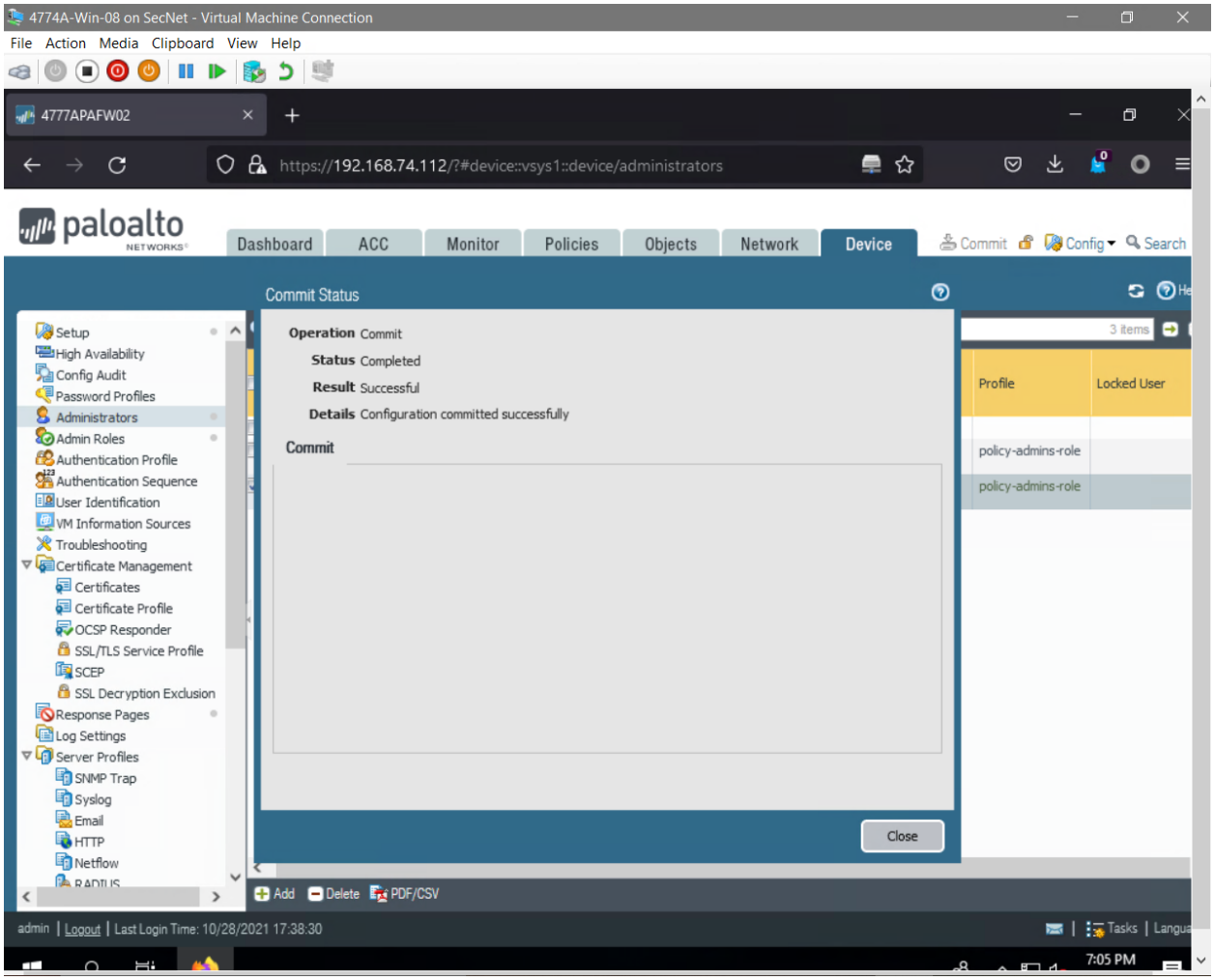
Added test-lock administrator account



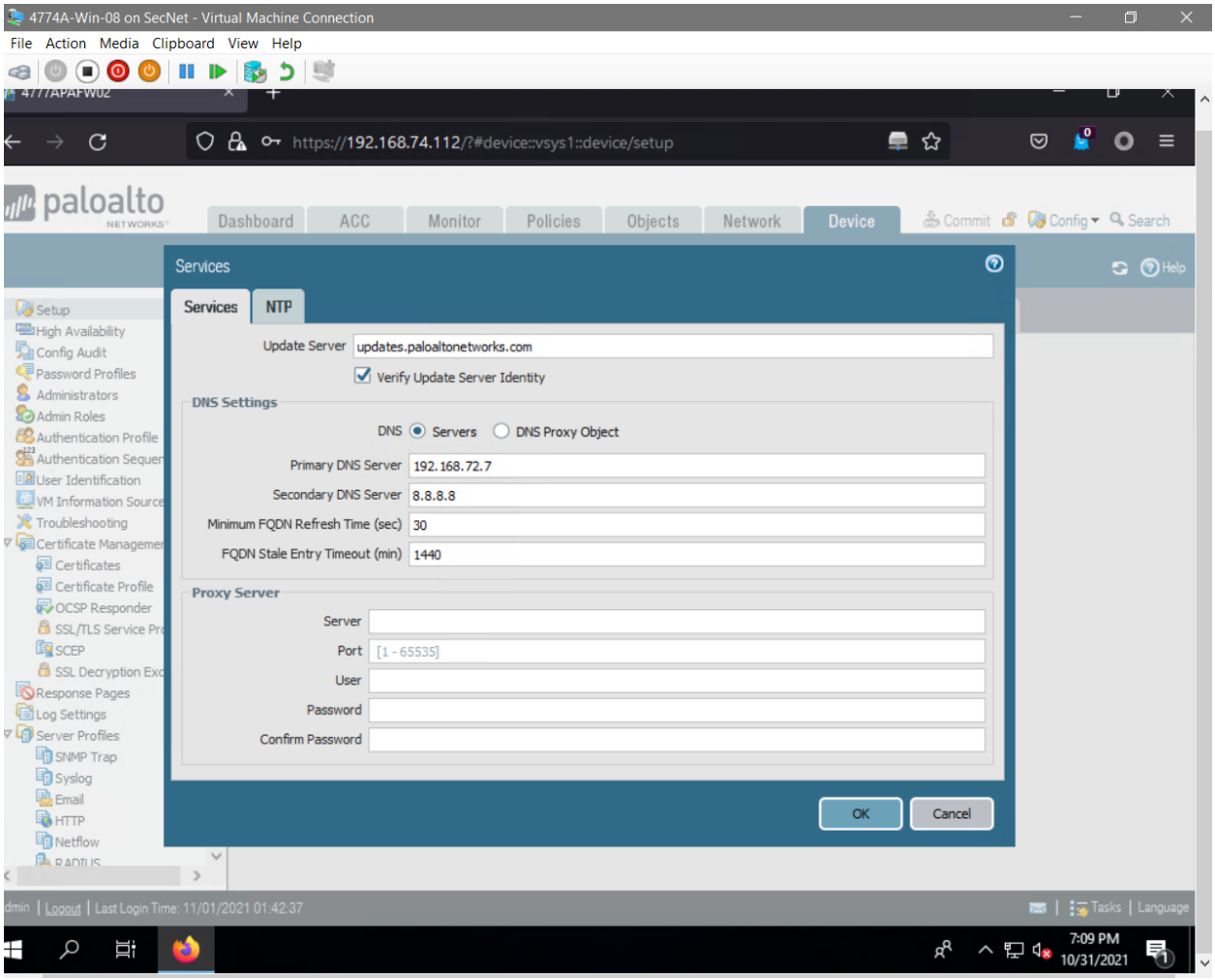
Unable to commit changes due to commit lock



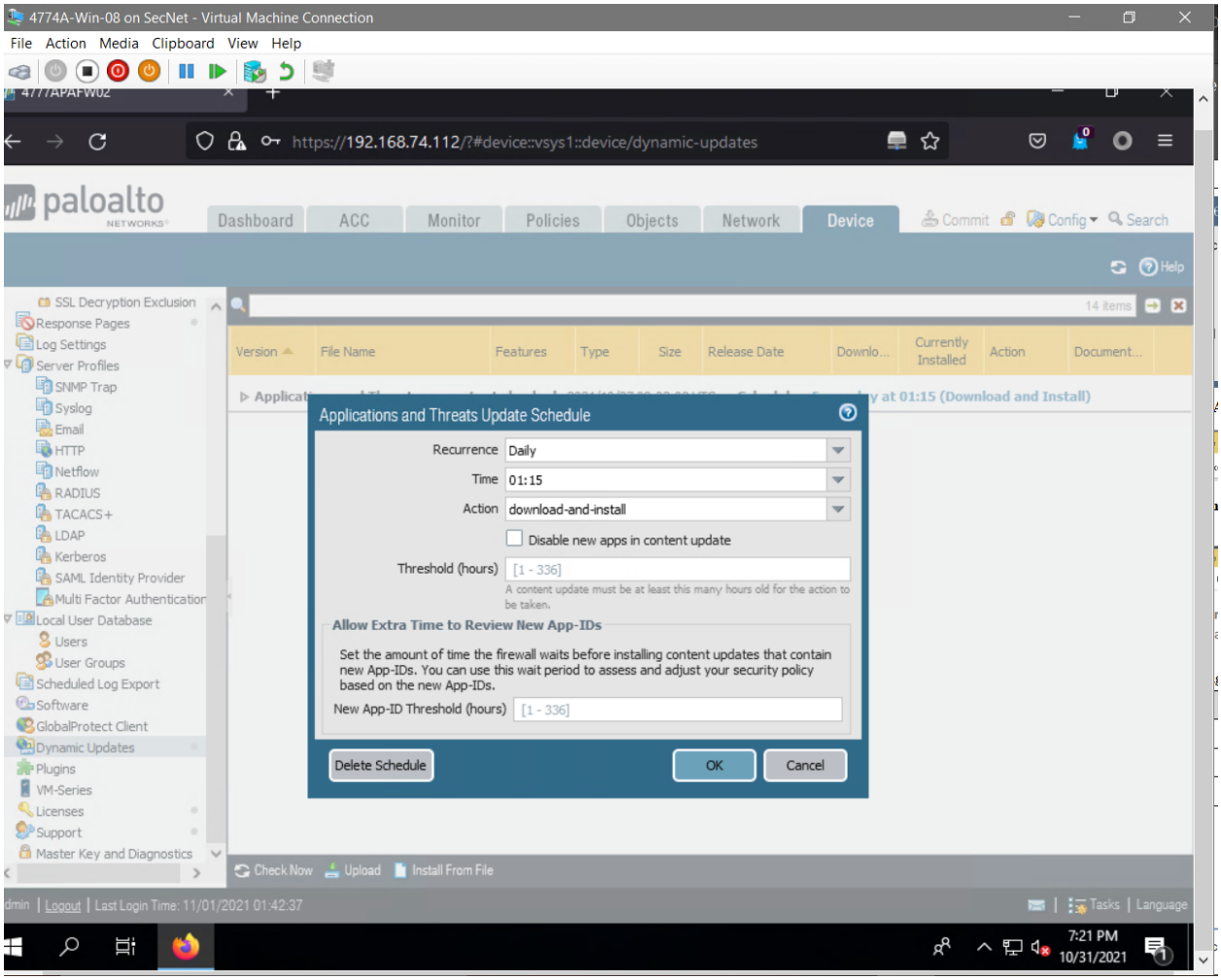
Removed commit lock created by policy-admin account



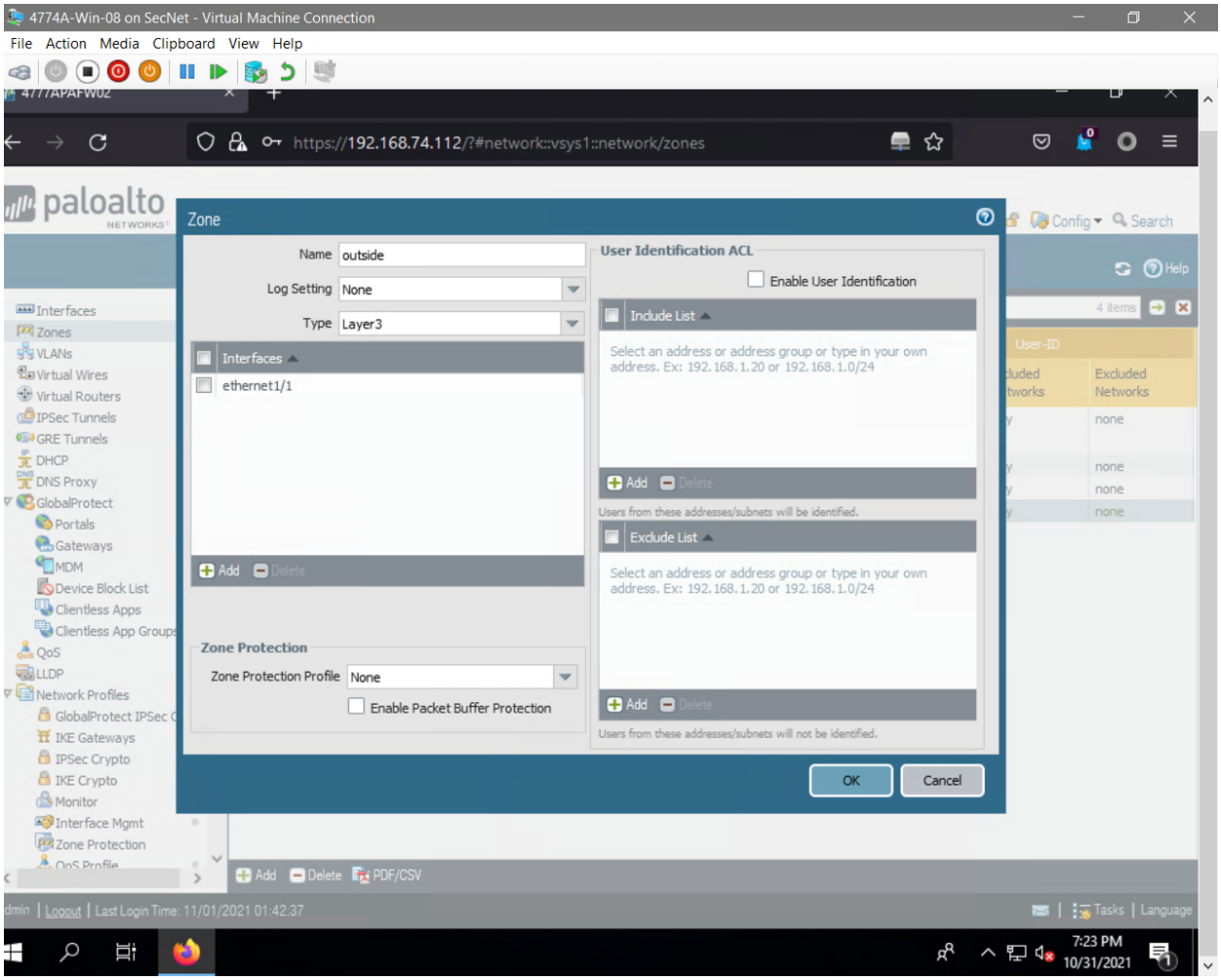
Successfully able to commit changes after removing commit lock



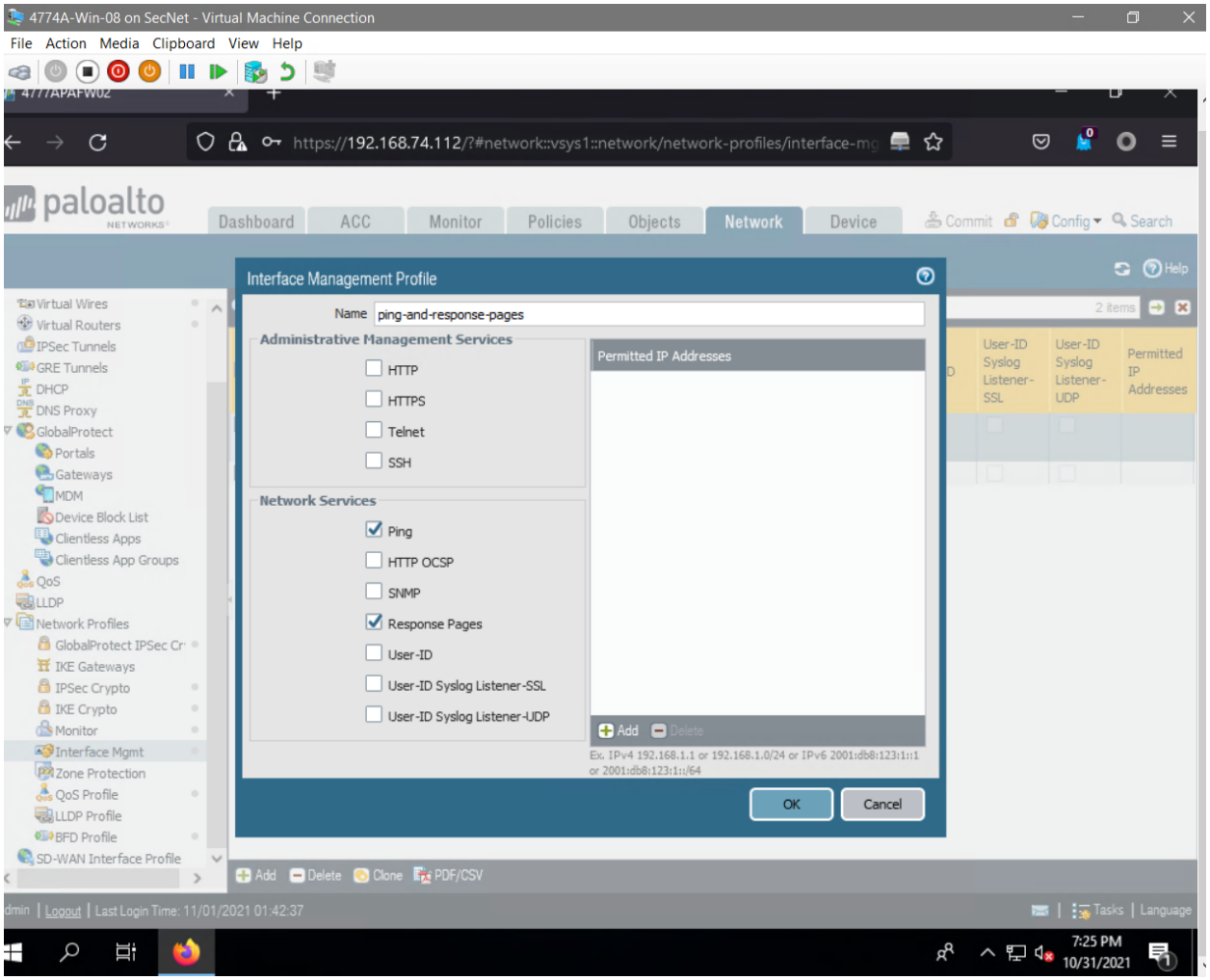
Verified the update server and primary/secondary DNS settings



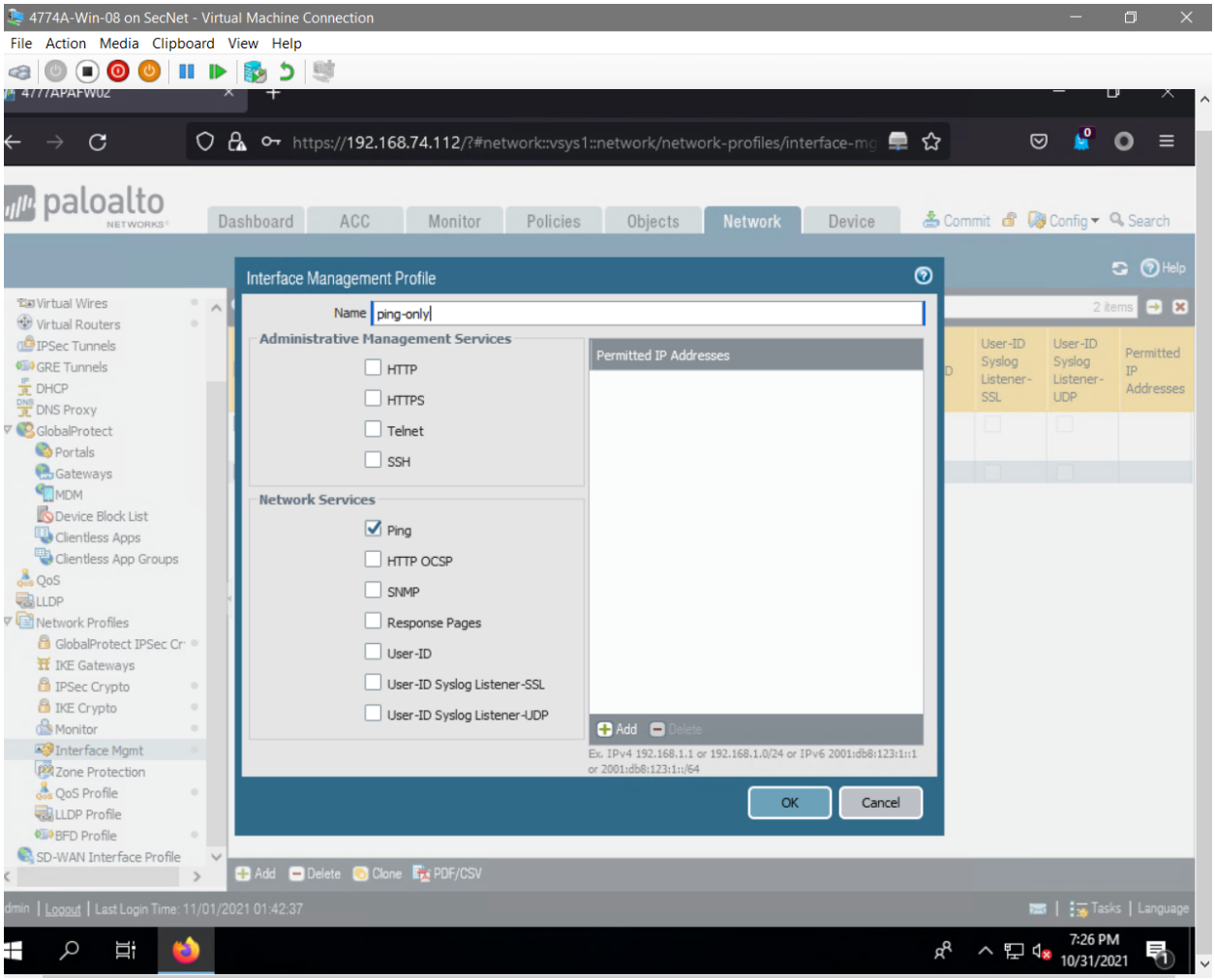
Configured daily updates for Applications and Threats section



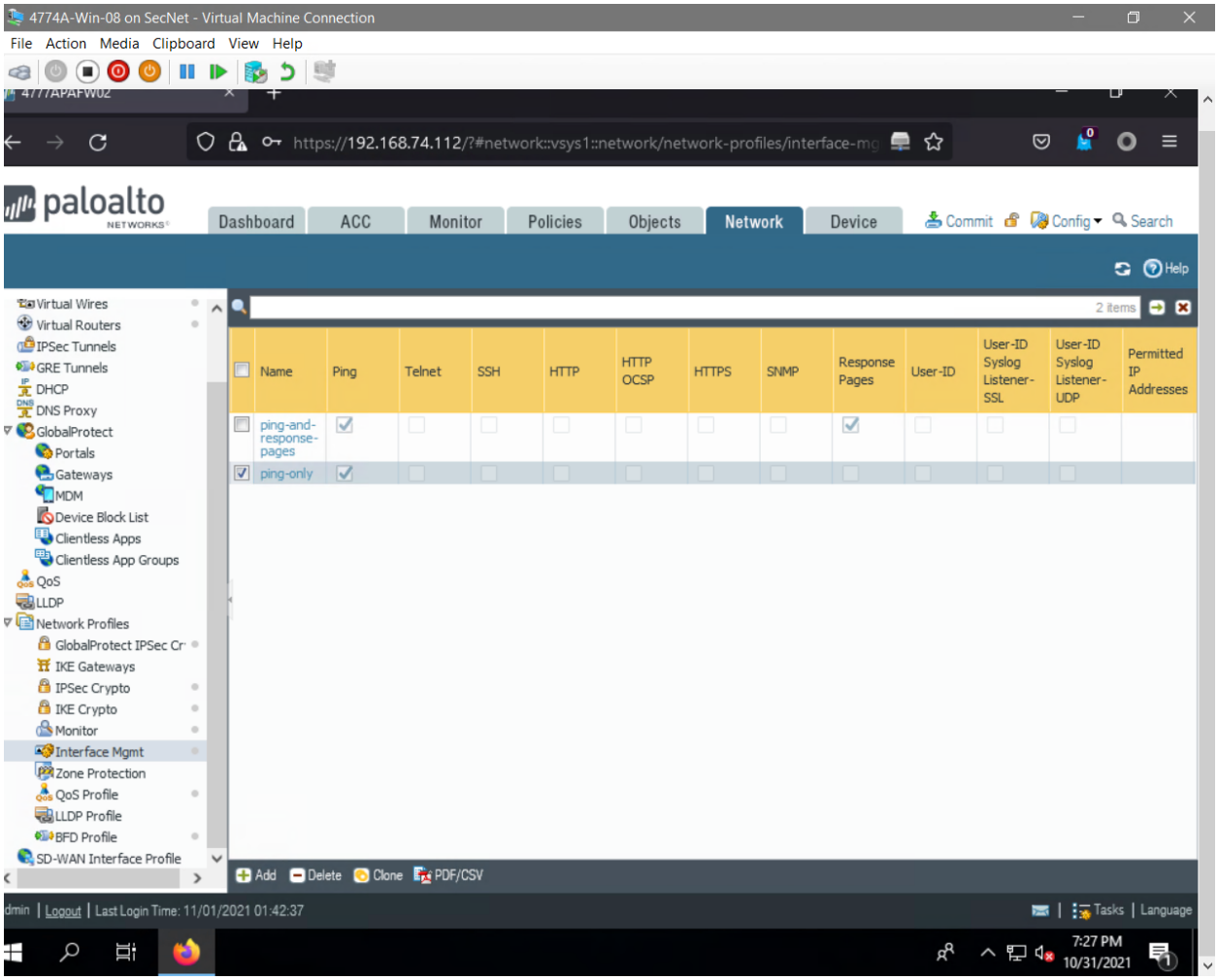
Created outside zone



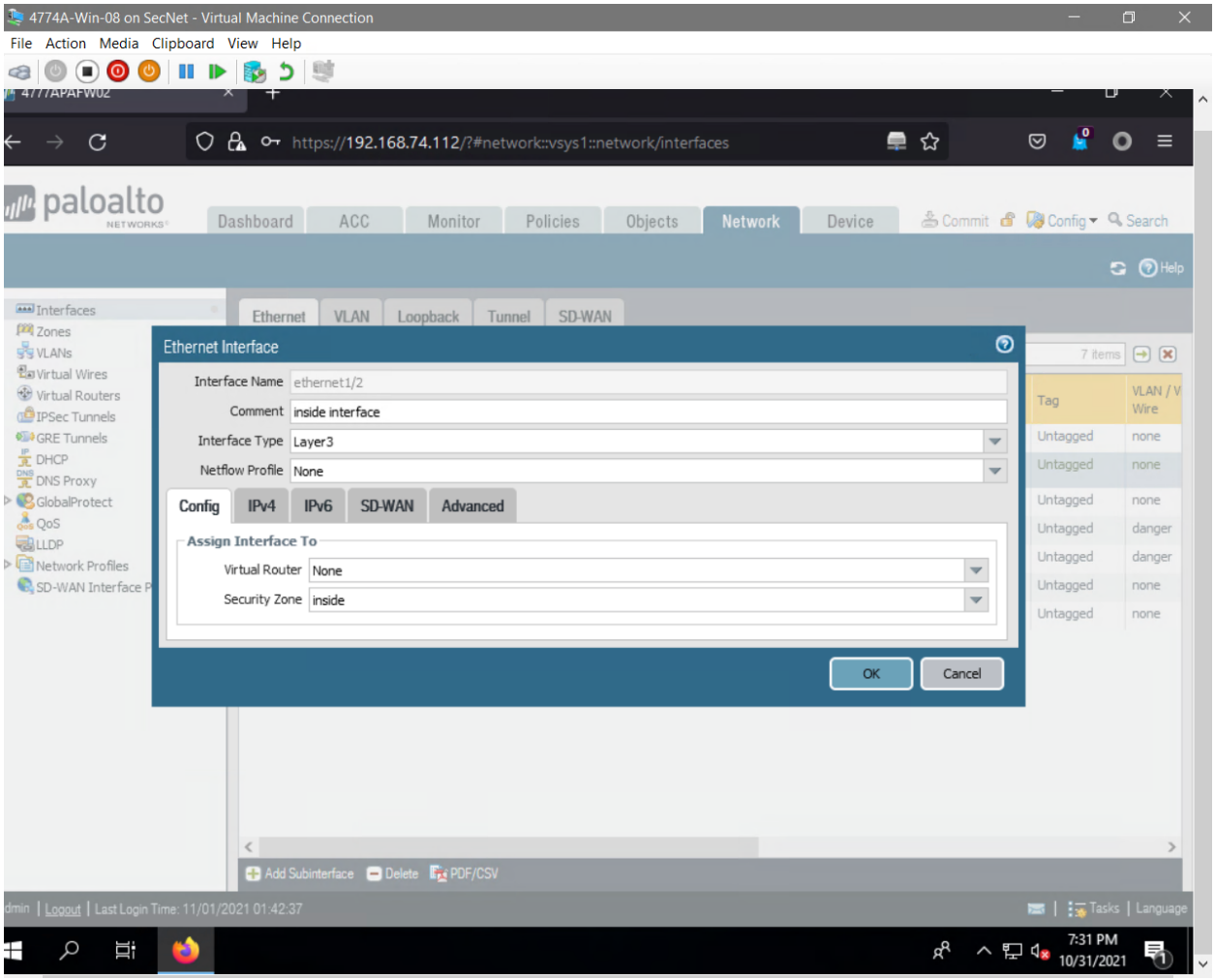
Created ping-and-response-pages Interface Management Profile



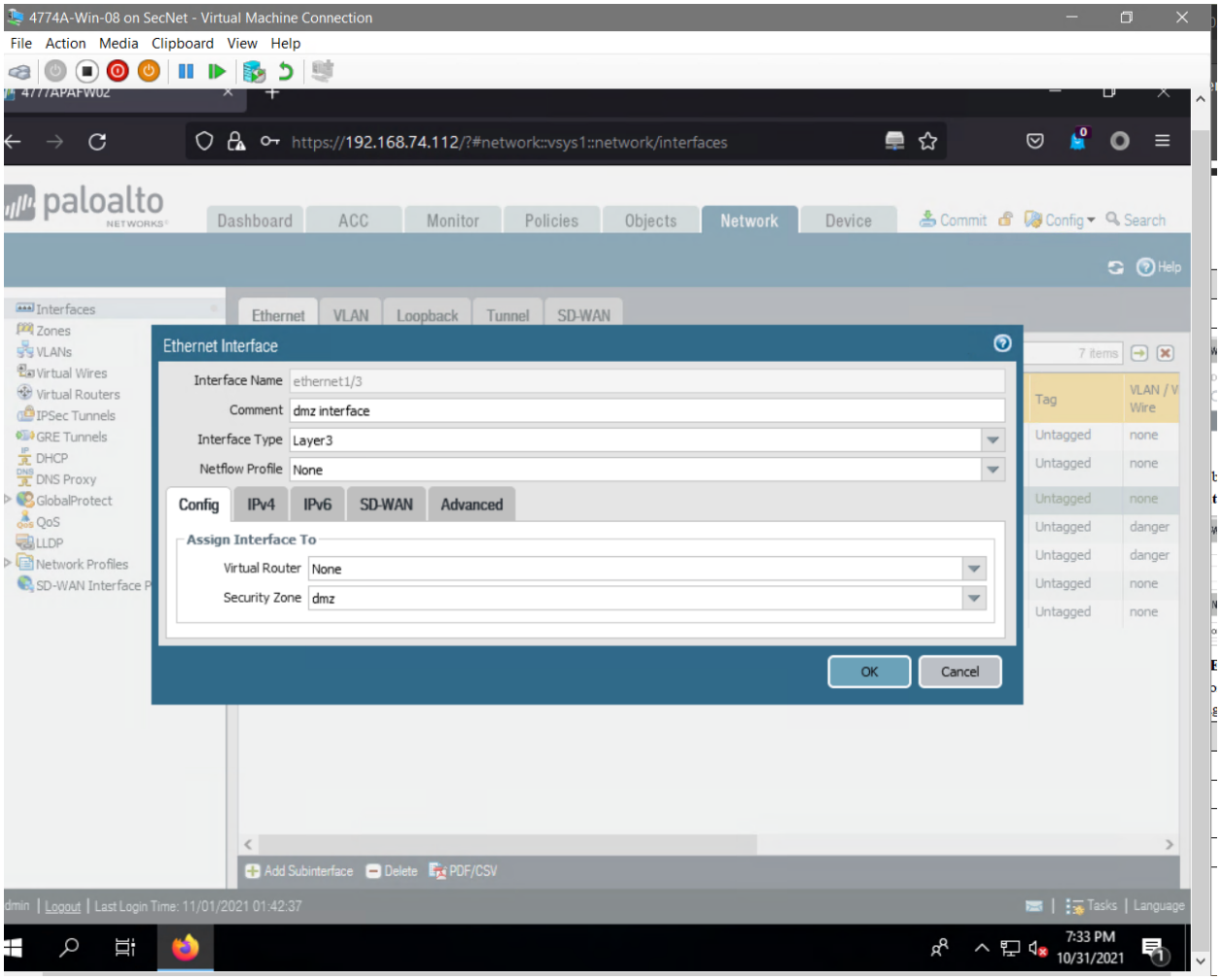
Created ping-only Interface Management Profile



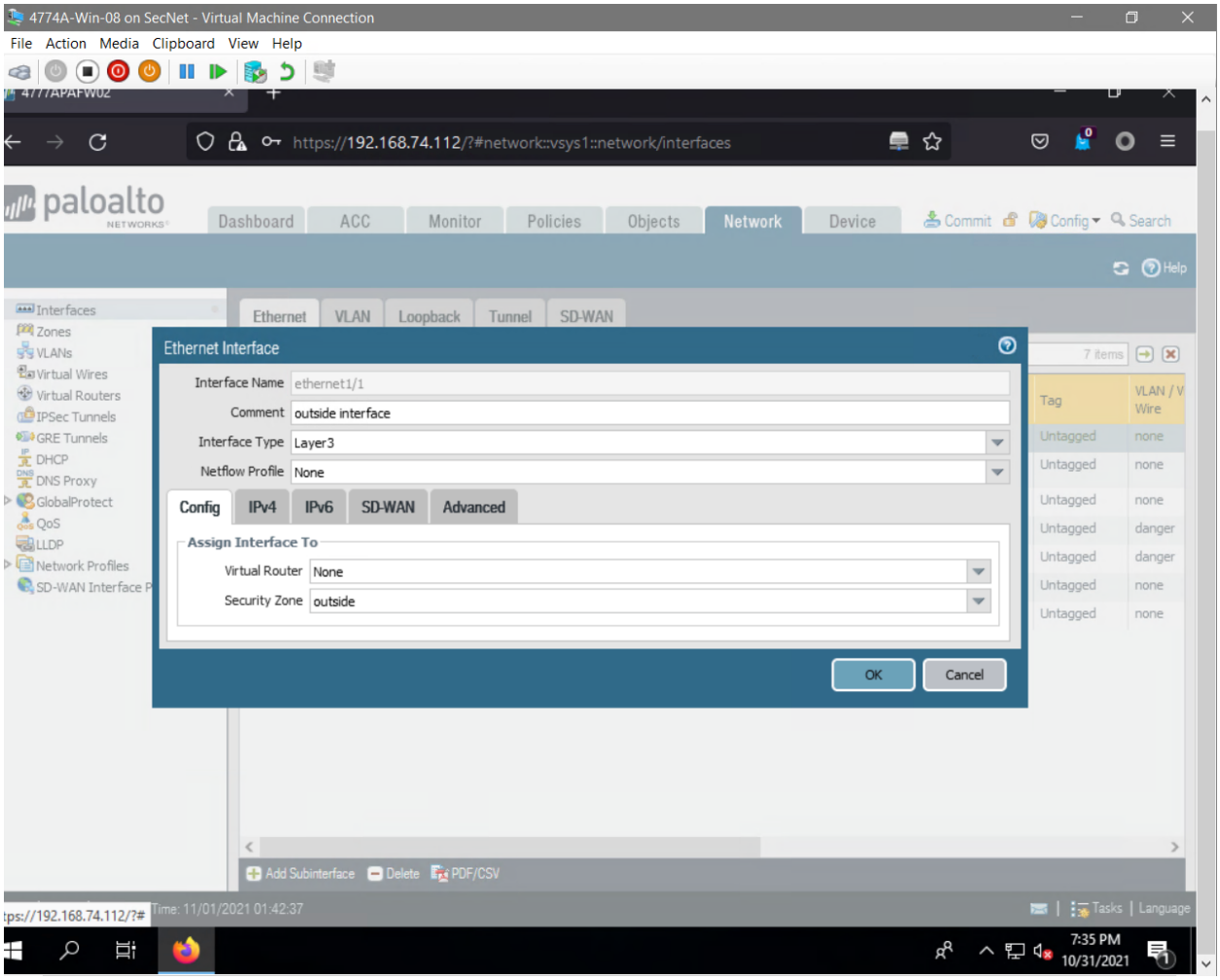
Verified configuration of Interface Management Profiles



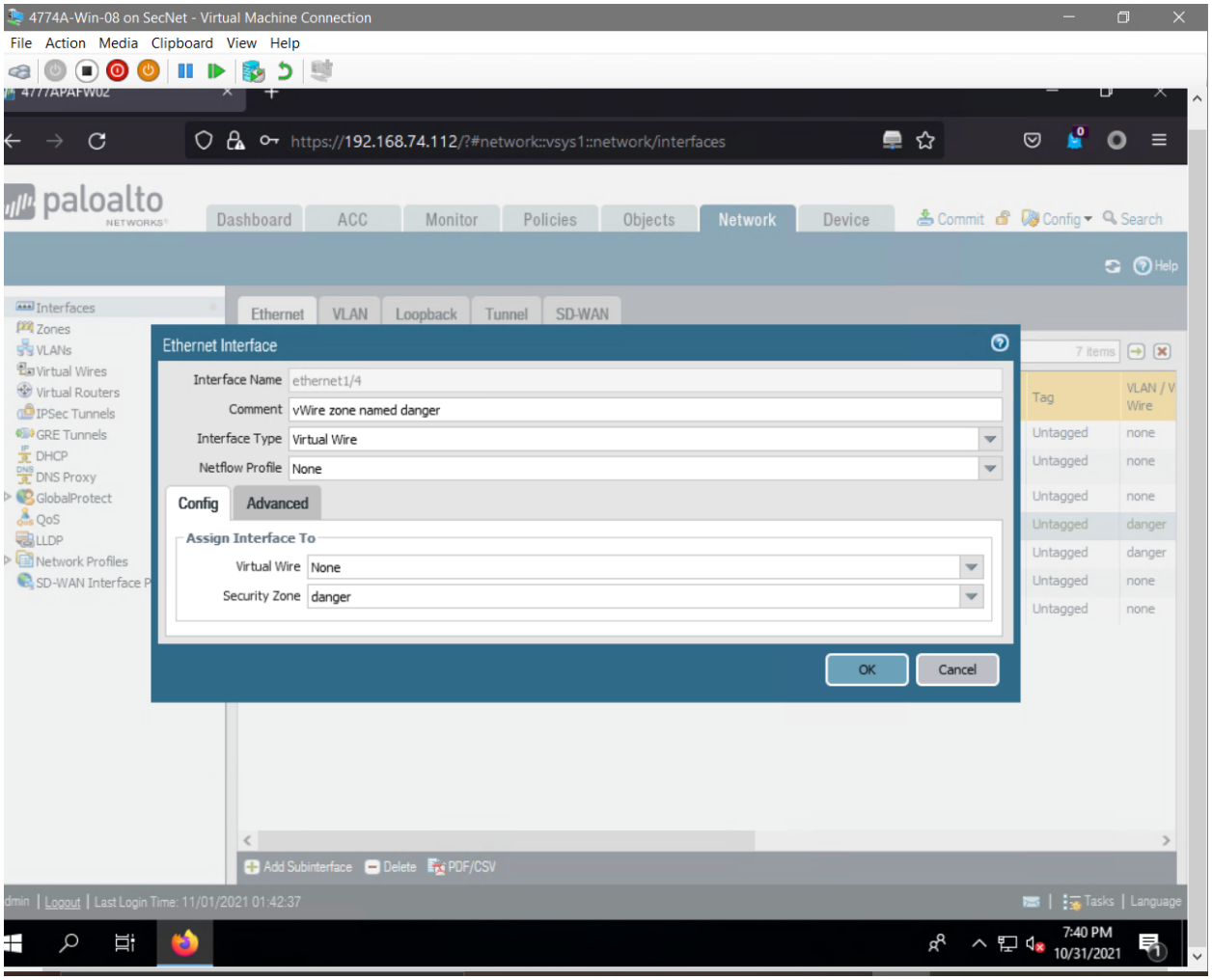
'Inside' Ethernet Interface configured



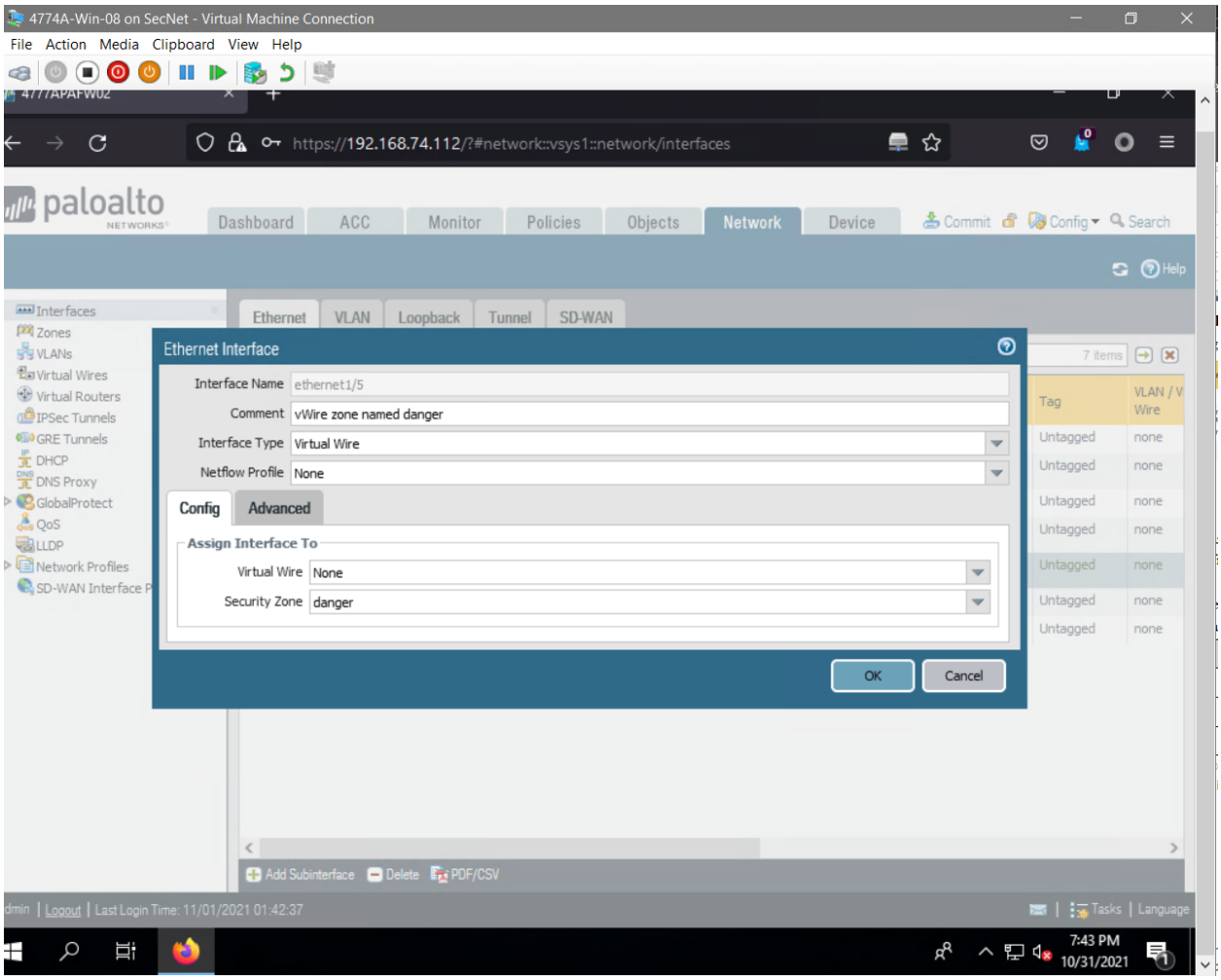
Configured 'dmz' ethernet interface



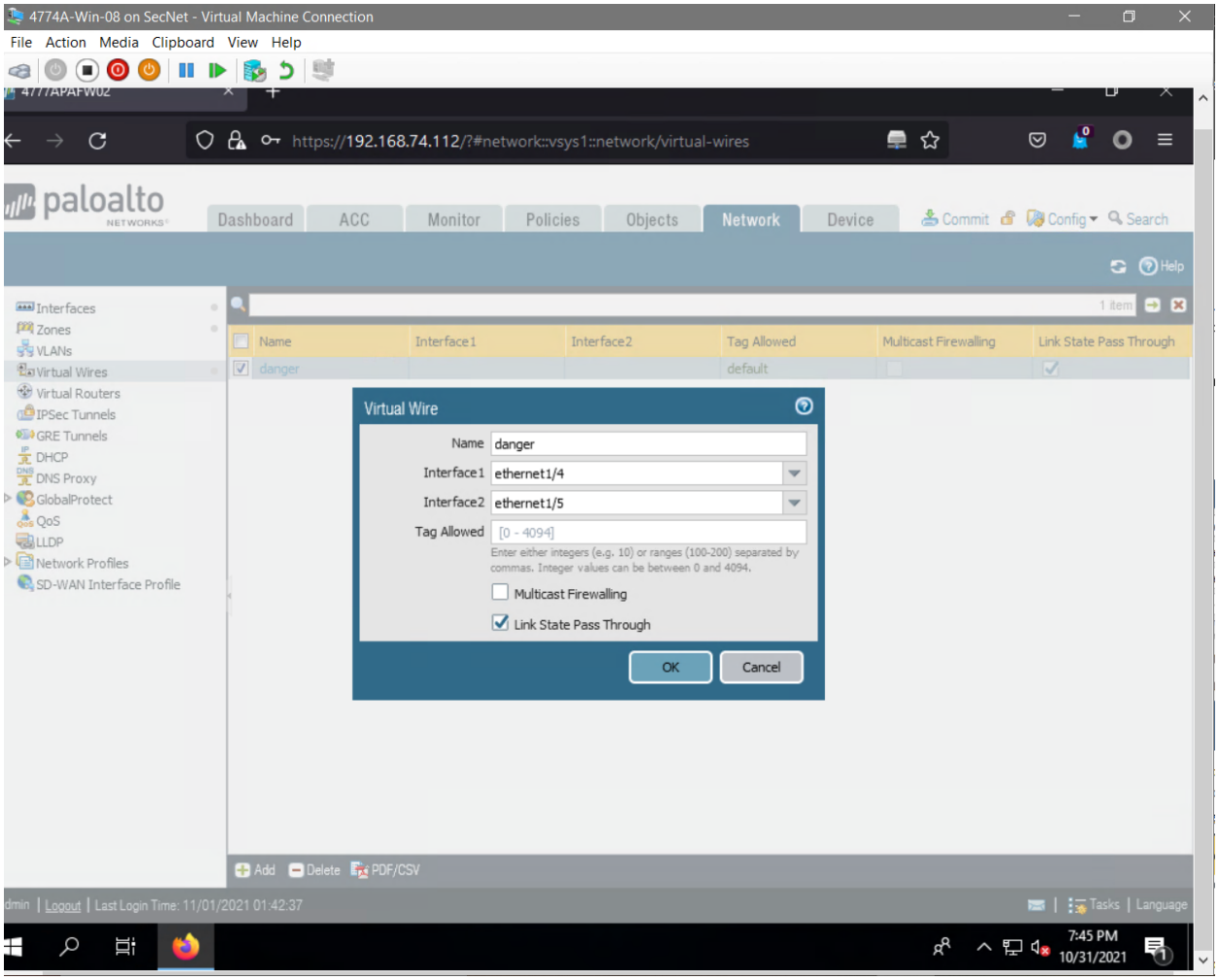
Configured 'outside' Ethernet Interface



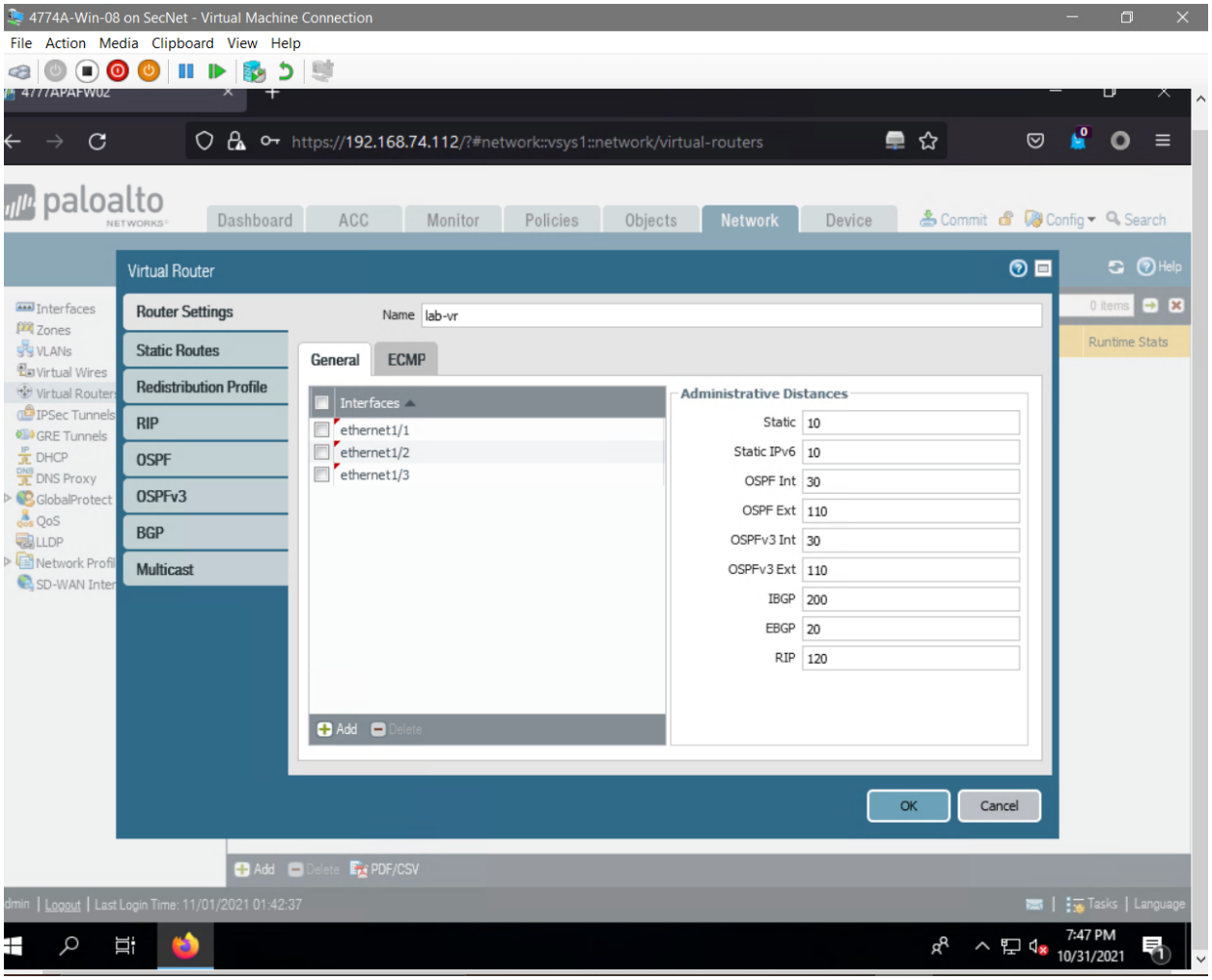
Configured 'vWire zone named danger' Ethernet Interface



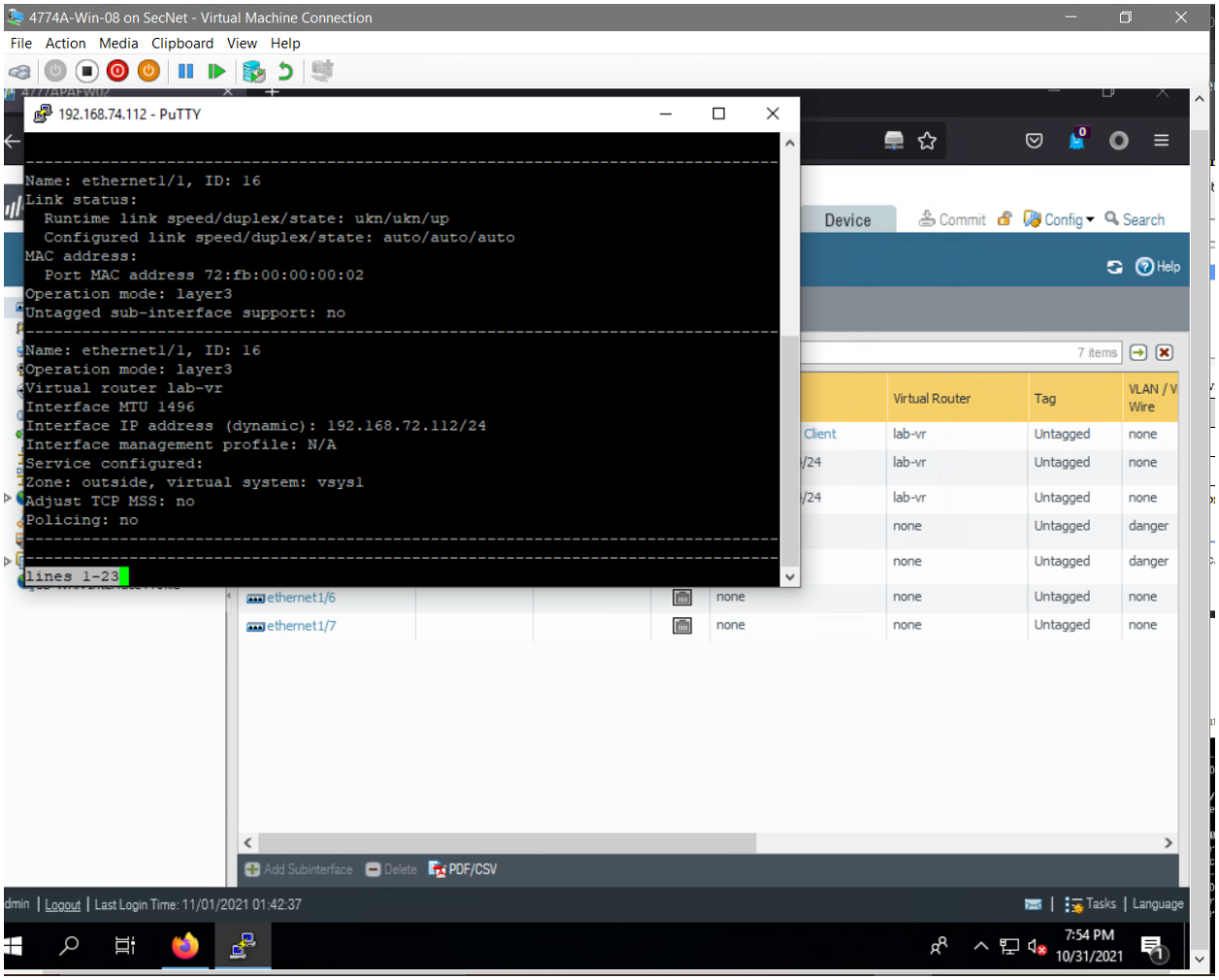
Configured second 'vWire zone named danger' ethernet interface for ethernet1/5



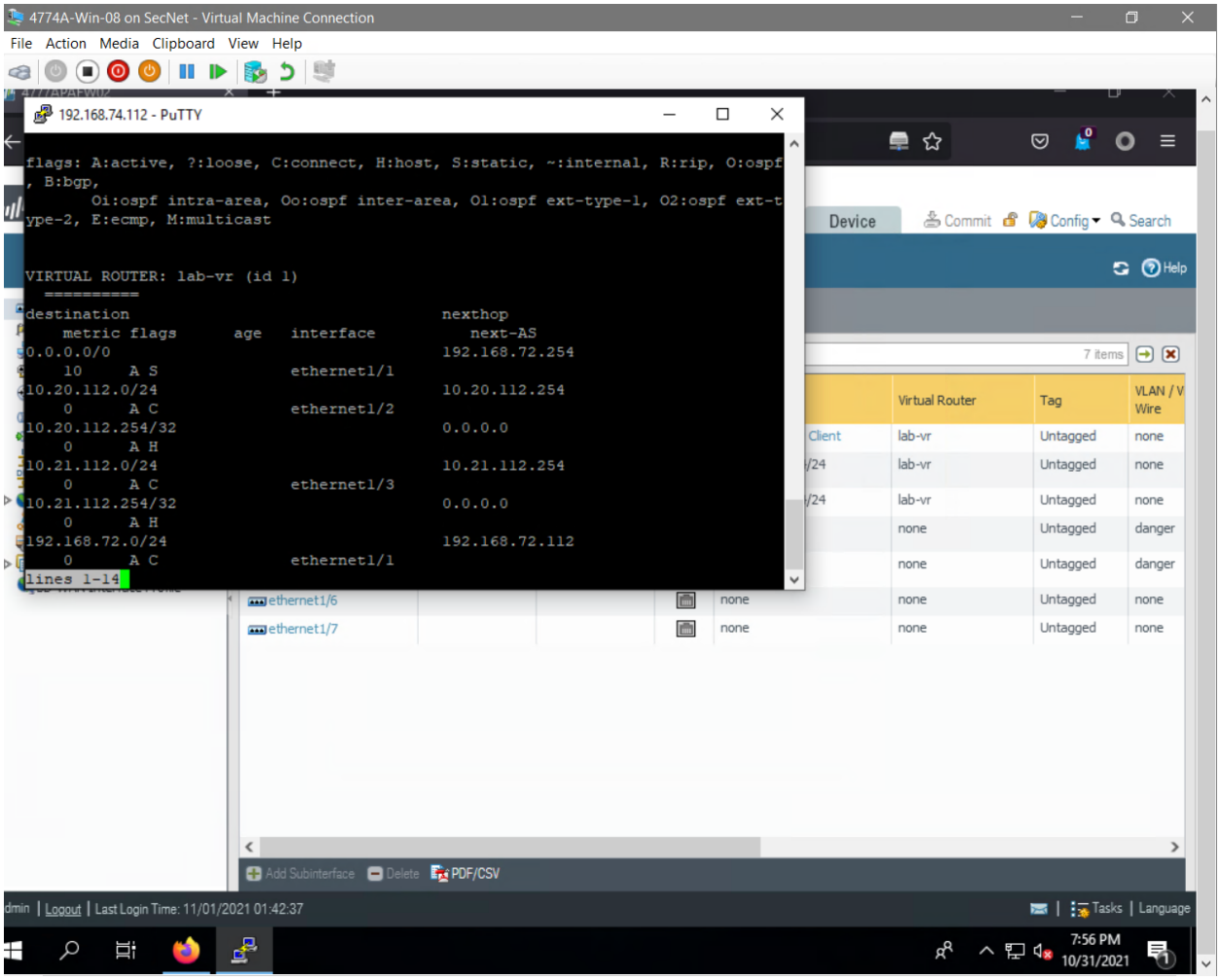
Configured 'danger' virtual wire



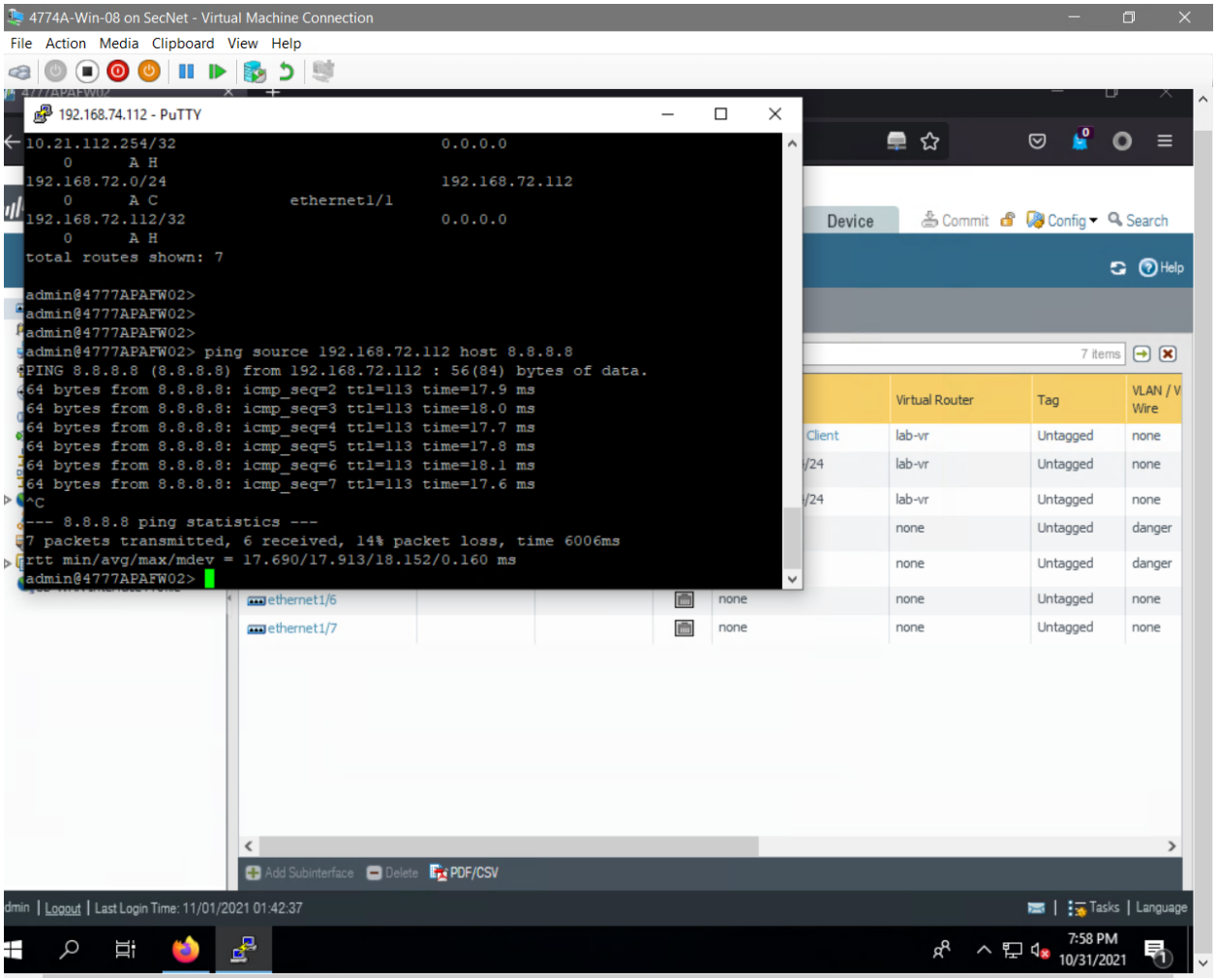
Configured 'lab-vr' virtual router



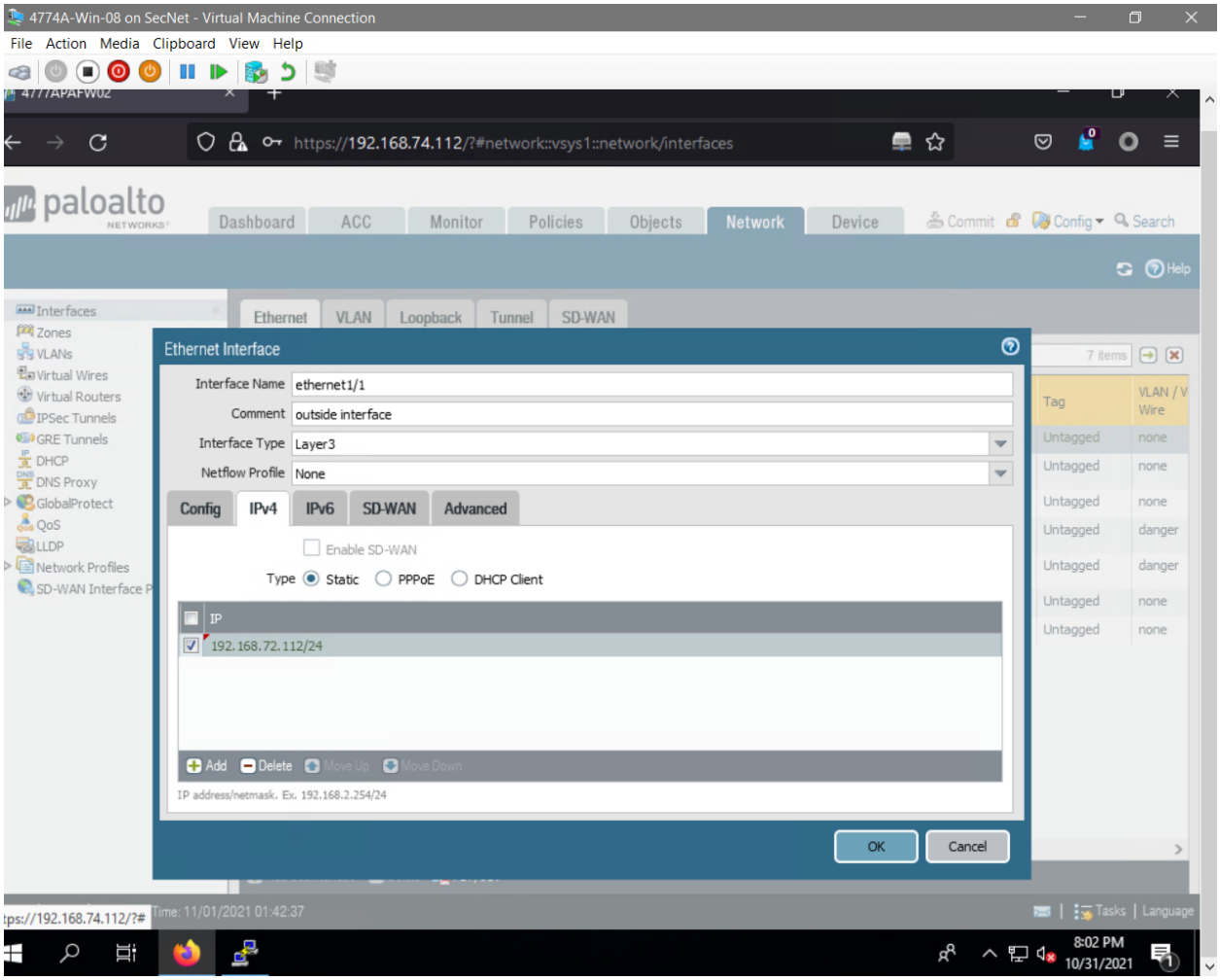
Showing interface in command line for ethernet1/1



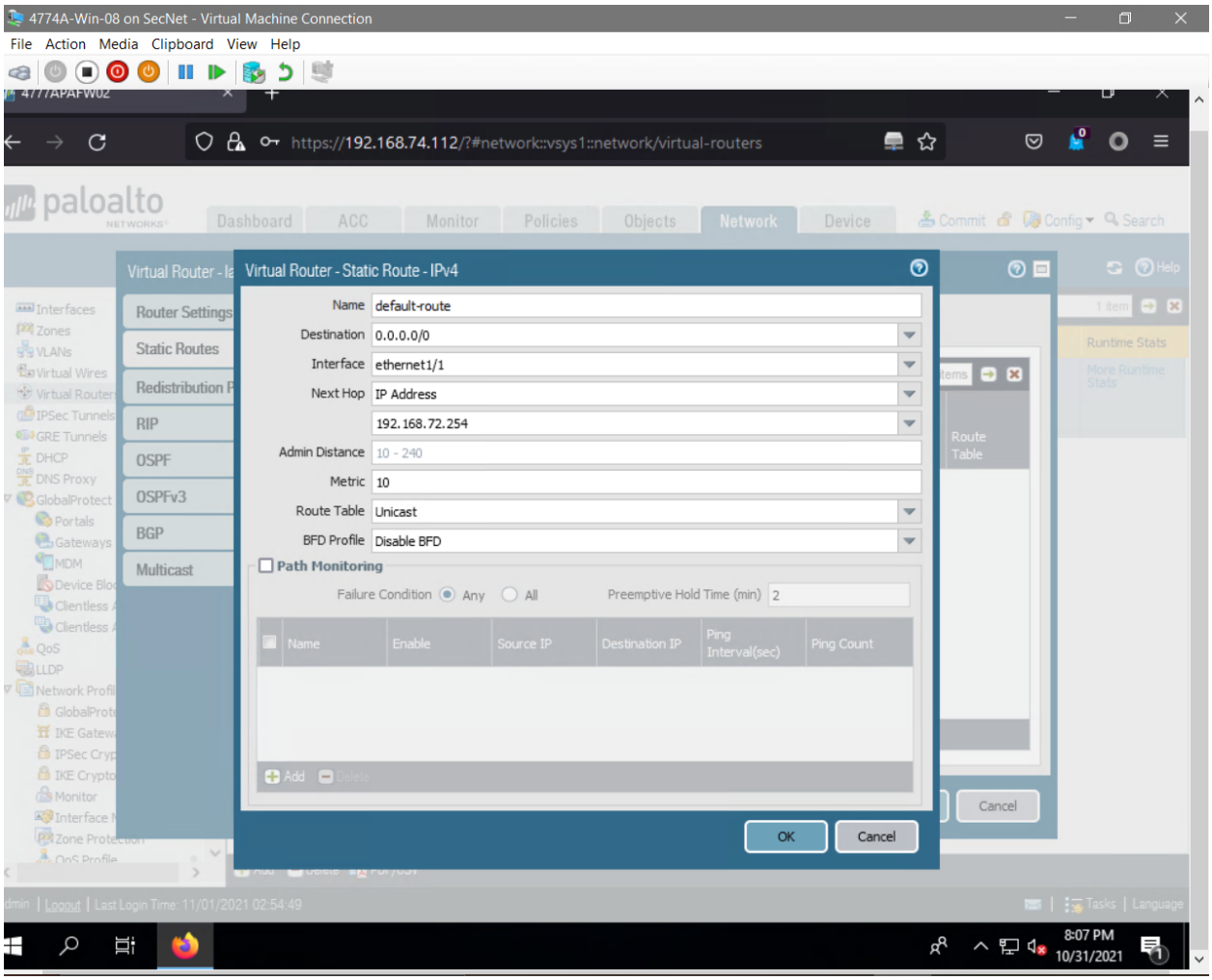
Showing routing route on command line for firewall



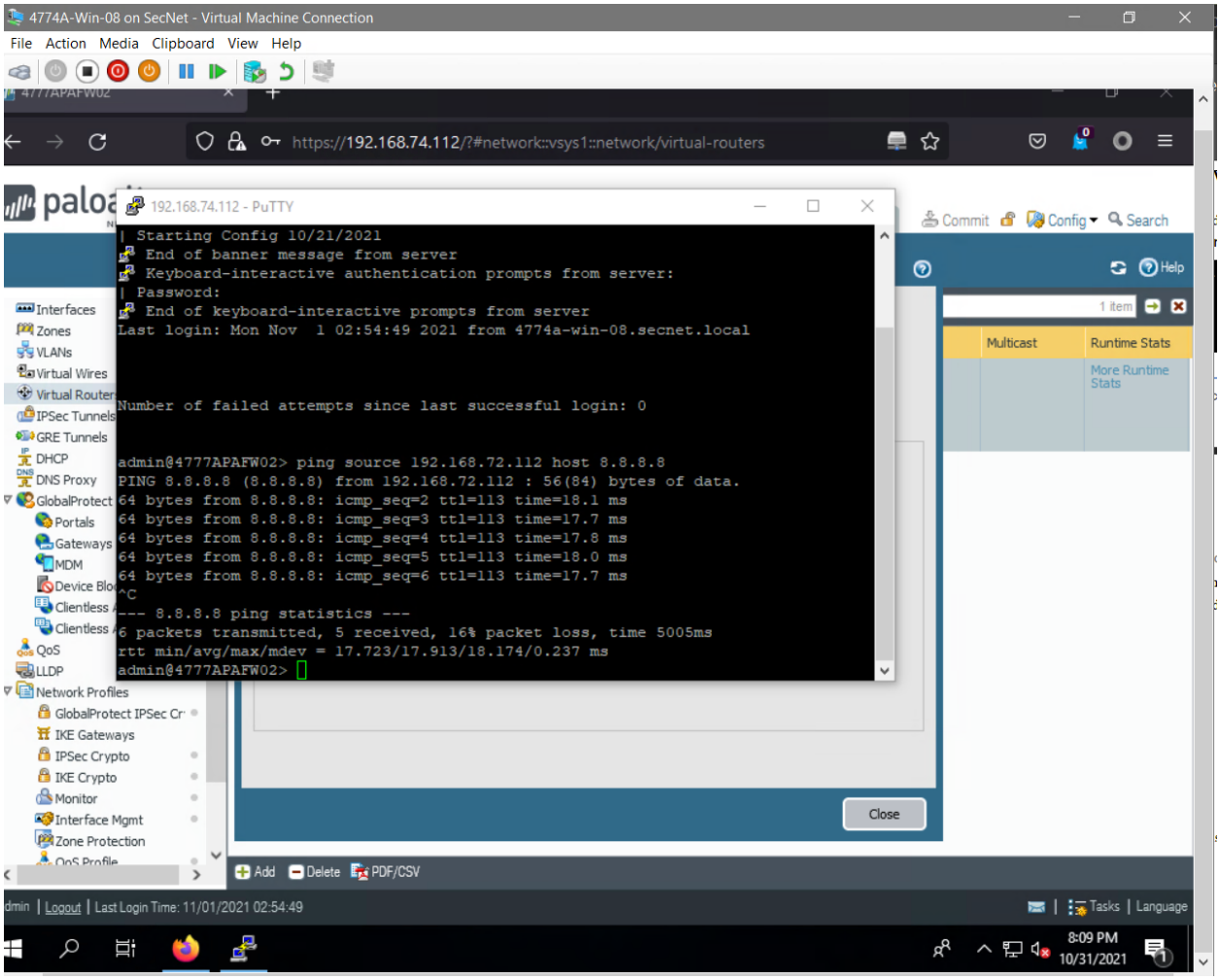
Pinging outside of firewall to verify connectivity to internet



Created new outside ethernet interface with static IP



Added new static route



Pinged source from within firewall CLI, confirming successful configuration