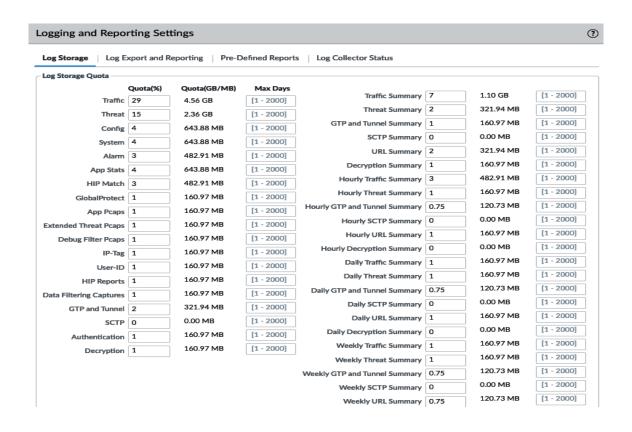
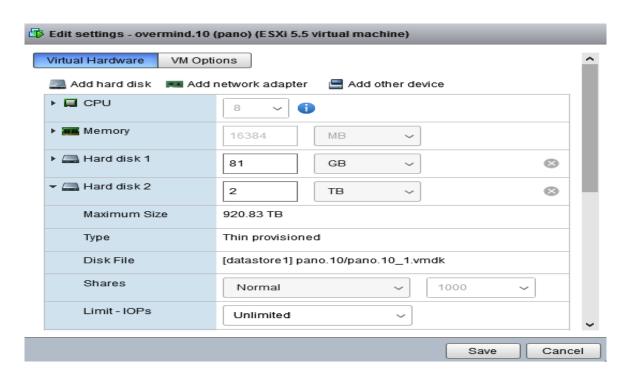
Chapter 1: Centralizing Logs





Panorama Settings



Panorama Servers 192.168.27.10

Enable pushing device monitoring data to Panorama

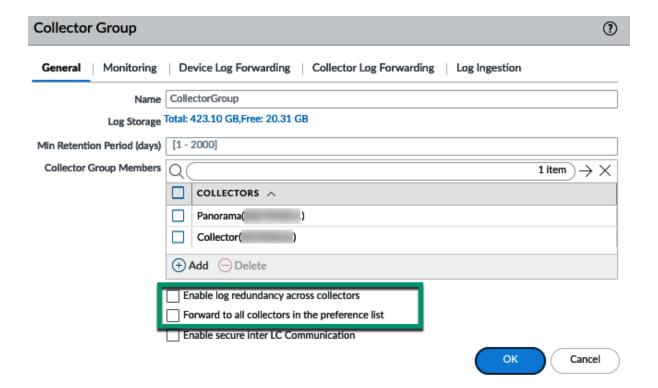
Receive Timeout for Connection to Panorama (sec) 240

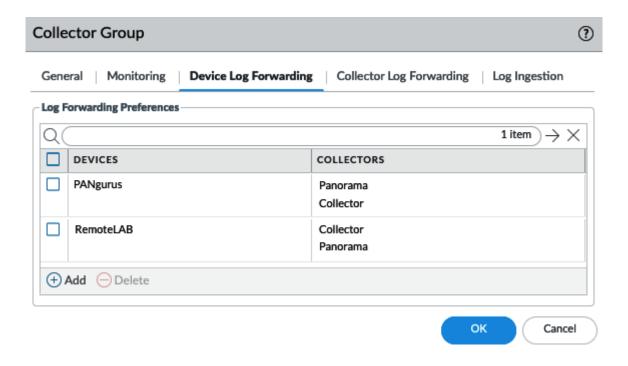
Send Timeout for Connection to Panorama (sec) 240

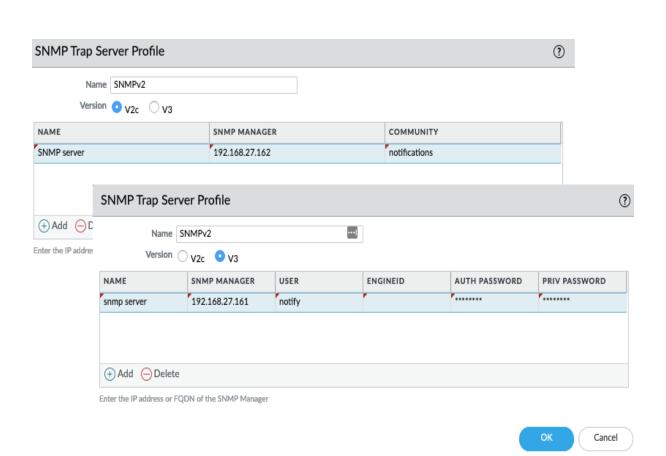
Retry Count for SSL Send to Panorama 25

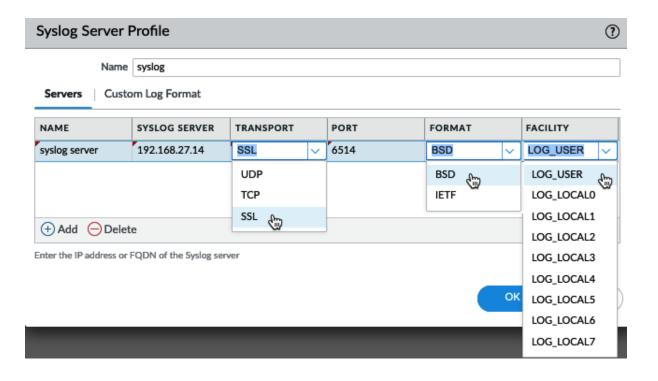
Enable automated commit recovery

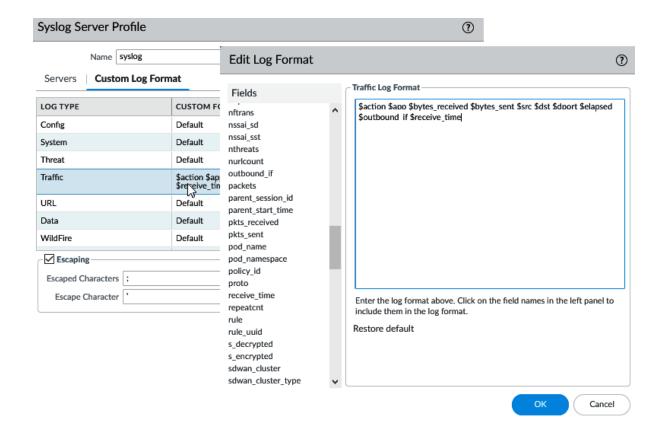
- Number of attempts to check for Panorama connectivity on 1 automated commit recovery
 - Interval between retries (sec) on automated commit 10 recovery

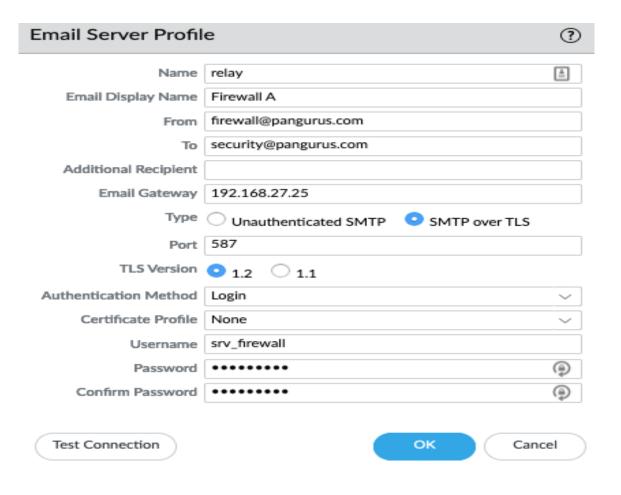


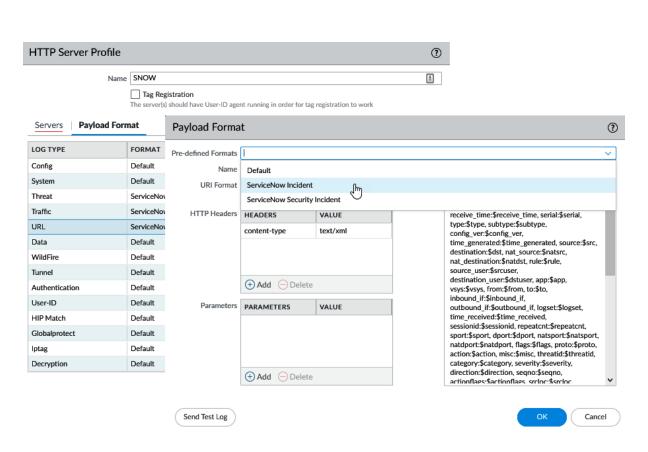


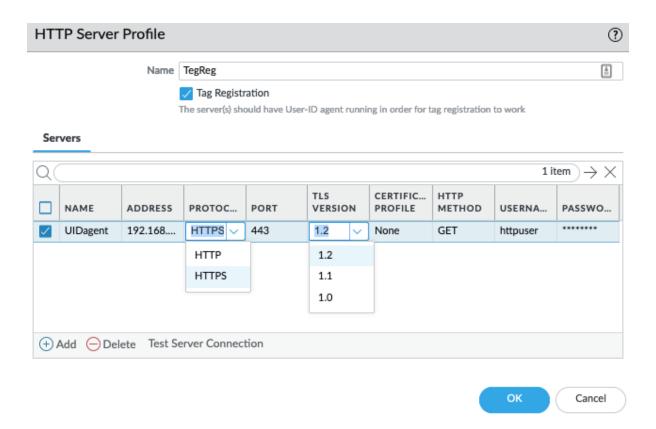


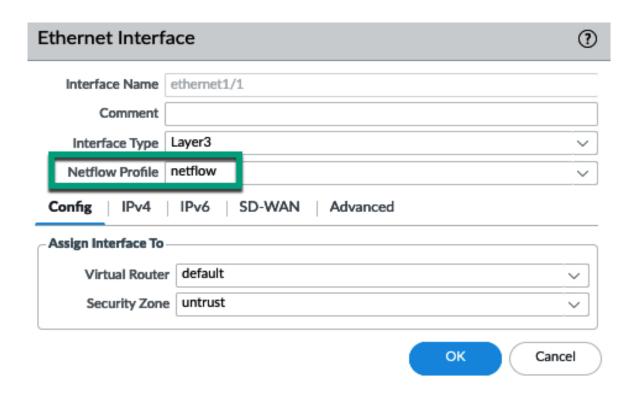


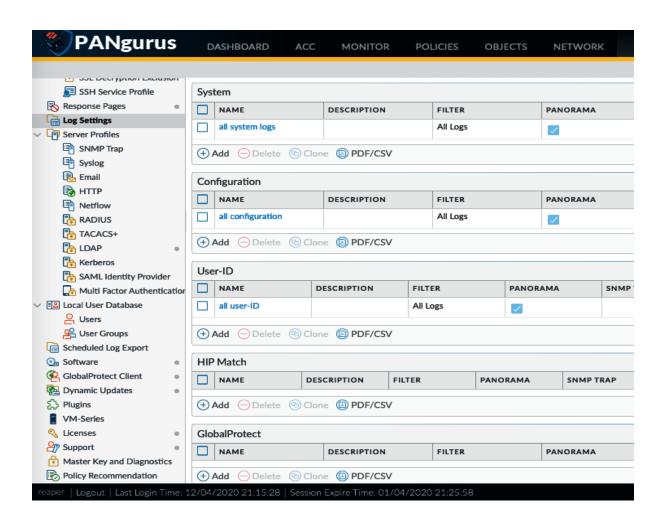


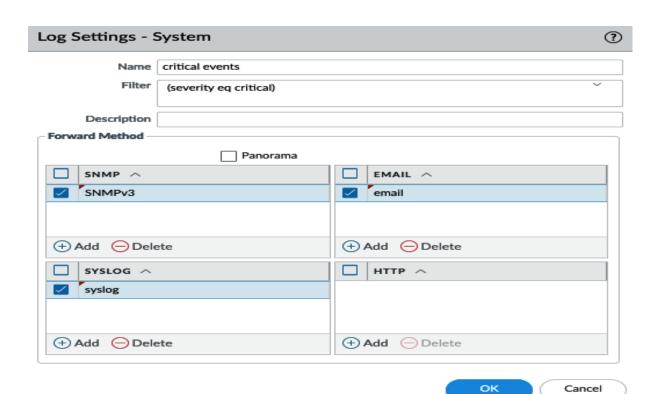


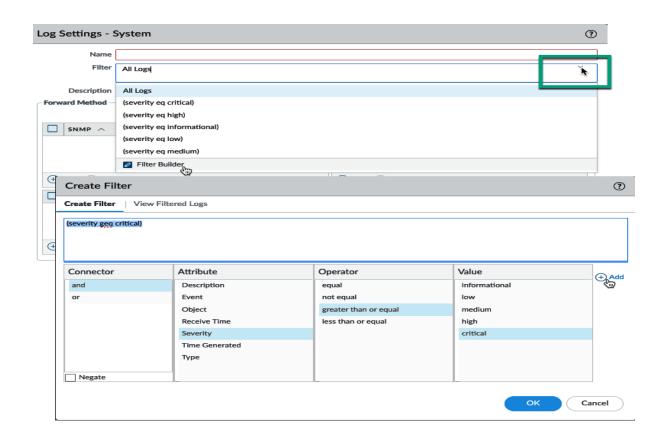


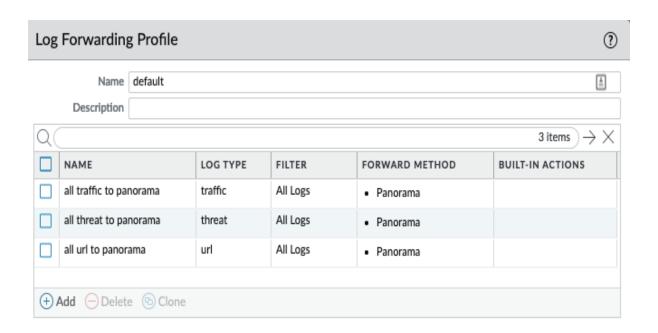




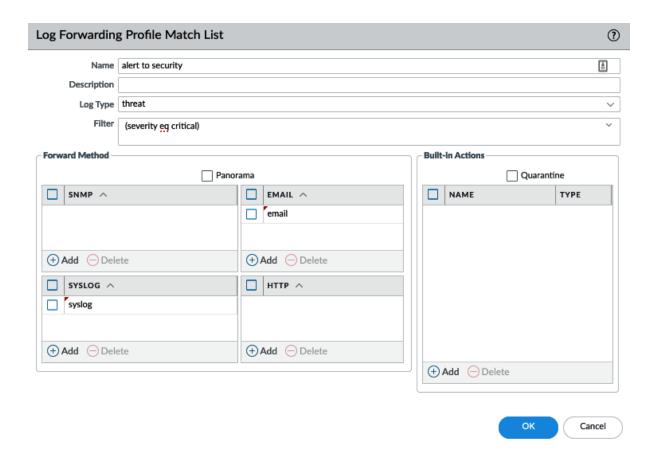


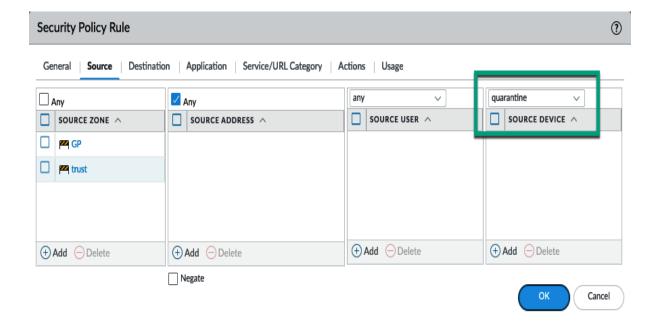


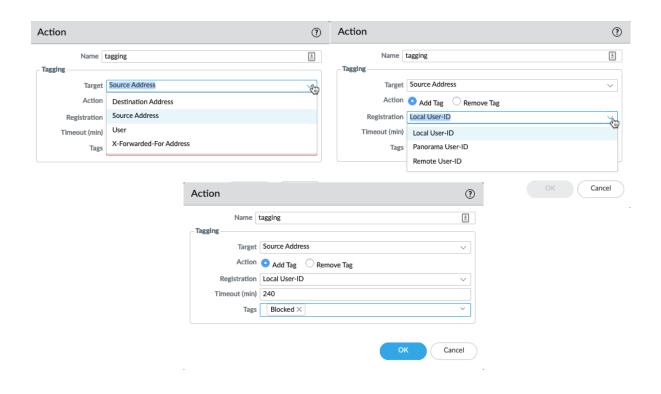


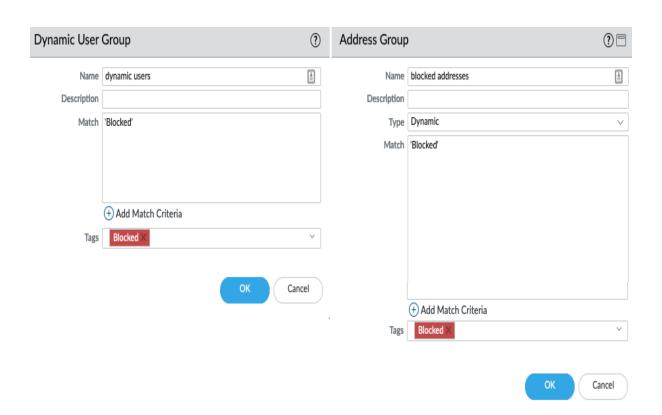


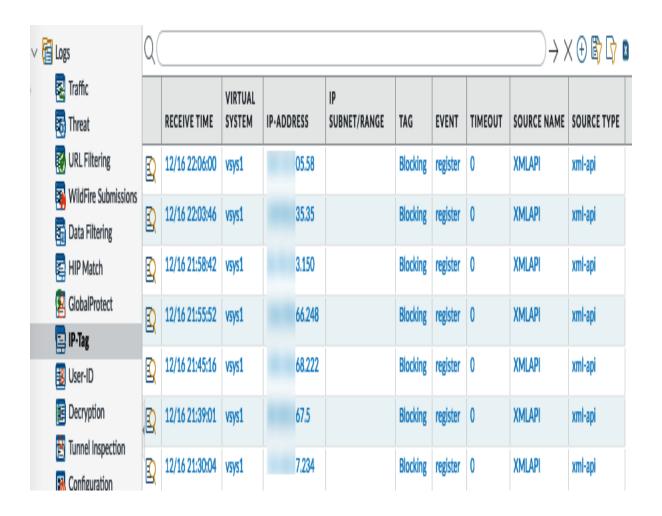


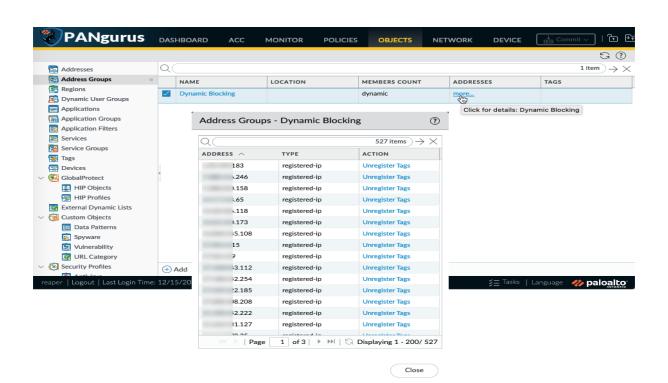


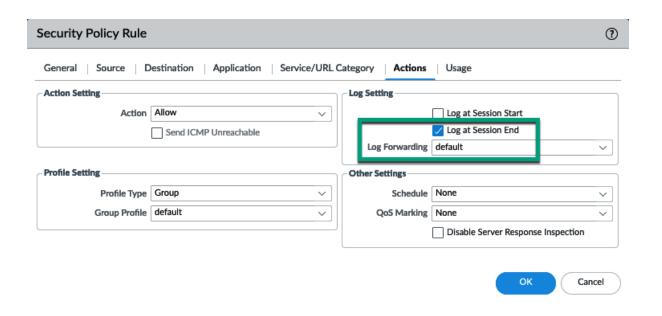


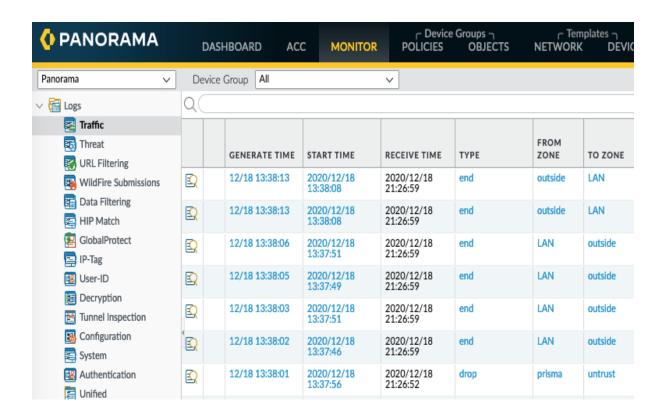












```
top - 01:35:49 up 1 day, 22:20, 1 user, load average: 2.30, 2.62, 2.74

Tasks: 146 total, 4 running, 141 sleeping, 0 stopped, 1 zombie

%Cpu0 : 6.3 us, 5.9 sy, 6.6 ni, 81.2 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

%Cpu1 :100.0 us, 0.0 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

%Cpu2 :100.0 us, 0.0 sy, 0.0 ni, 0.0 id, 0.0 wa, 0.0 hi, 0.0 si, 0.0 st

%Cpu3 : 8.9 us, 4.0 sy, 3.0 ni, 82.8 id, 0.0 wa, 0.0 hi, 1.3 si, 0.0 st

KiB Mem : 4119684 total, 374860 free, 1890600 used, 1854224 buff/cache

KiB Swap: 4097968 total, 4087960 free, 10008 used. 1687028 avail Mem

PID USER PR NI VIRT RES SHR S %CPU %MEM TIME+ COMMAND

4959 root 20 0 91288 37828 9968 R 100.0 0.9 2772:43 pan_task

4961 root 20 0 66608 12856 9776 R 99.7 0.3 2773:05 pan_task

4961 root 0 -20 202292 38024 6672 S 5.9 0.9 17:35.09 masterd_apps

3116 root 15 -5 121516 9704 3808 S 5.9 0.2 36:01.46 sysd

5404 root 20 0 528236 59904 7608 S 0.7 1.5 20:33.87 dnsproxyd

3285 root 20 0 1022616 12800 5684 S 0.3 0.3 1:25.75 sysdagent

3290 root 30 10 198380 18704 6356 S 0.3 0.5 15:47.09 python

3591 nobody 20 0 44244 5364 1344 S 0.3 0.1 7:28.24 redis-server

4943 root 20 0 71380 10000 7196 S 0.3 0.2 1:53.10 sdwand

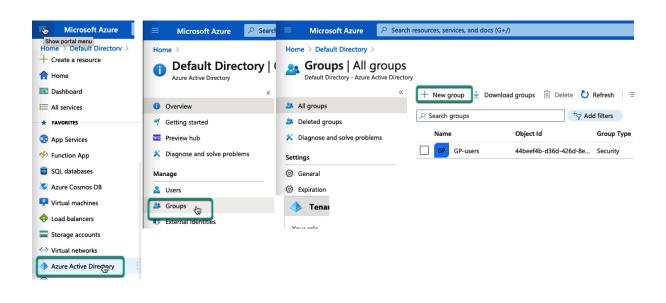
4945 root 20 0 58160 9416 6756 S 0.3 0.2 7:17.89 pan_dha

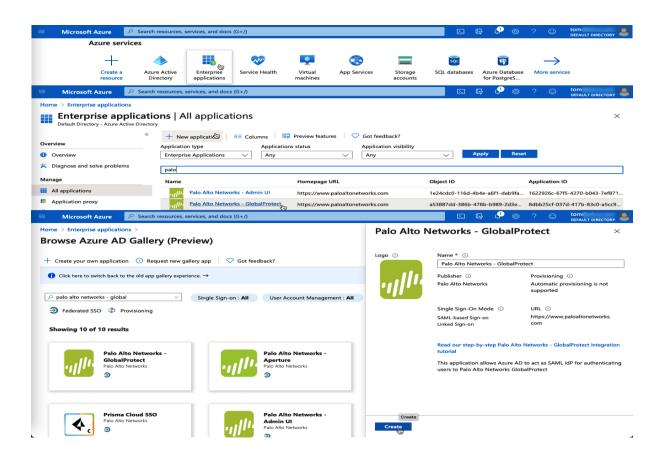
5383 root 20 0 130836 26568 3308 S 0.3 0.6 19:15.40 identityclient

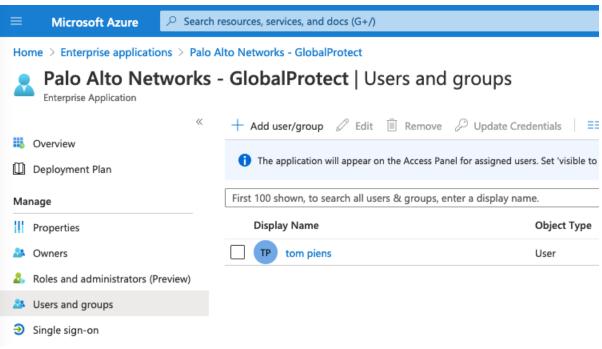
8155 reaper 20 0 4228 1636 1128 R 0.3 0.0 0:00.13 top
```

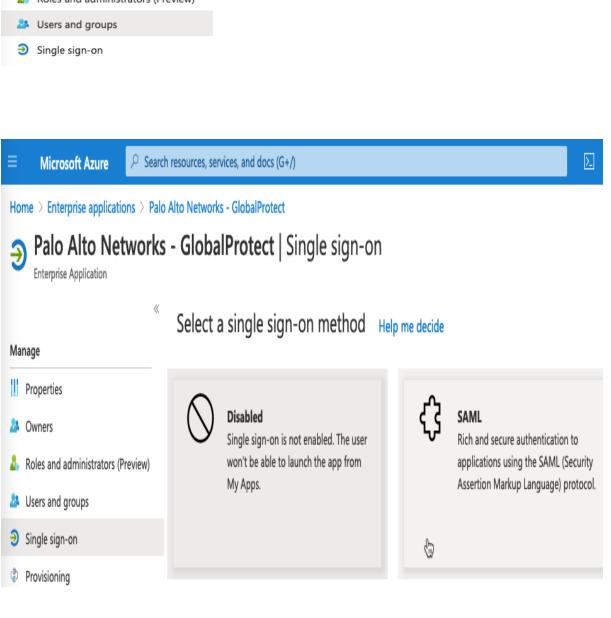
```
reaper@PANgurus> request log-collector-forwarding status
Log Collector Preference List
Forward to all: No
Serial Number: 0007 IP Address: 192.168.27.10 IPV6 Address: unknown
       Type Last Log Created
                                                                                                                                               Total Logs Fwded
 Log Collection log forwarding agent' is active and connected to 192.168.27.10
DNS:
Successfully resolved FQDN (), IP (192.168.27.10)
                  success
2020/12/21 00:36:42
Registration :
                  2020/12/21 00:36:45
SSL:
ssl channel established to (192.168.27.10)
                 2020/12/21 00:36:44
               Connection successful
                 2020/12/21 00:36:45
TCP : tcp connection established success
                   success
2020/12/21 00:36:42
Connect-Agent-Status :
DNS resolution success for (IP: 192.168.27.10)
                   success
2020/12/21 00:36:32
     config 2020/12/21 00:17:41 2020/12/21 00:37:55
system 2020/12/21 22:10:53 2020/12/21 22:11:11
threat 2020/12/21 22:11:47 2020/12/21 22:11:52
traffic 2020/12/21 22:11:47 2020/12/21 22:11:52
                                                                                                                        3241
24693947
```

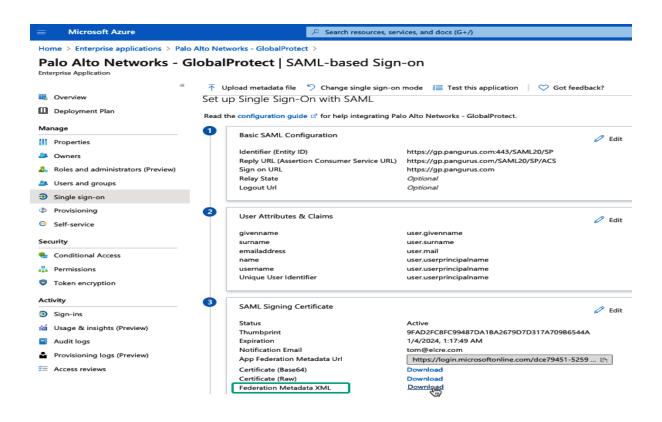
Chapter 2: Configuring Advanced GlobalProtect Features

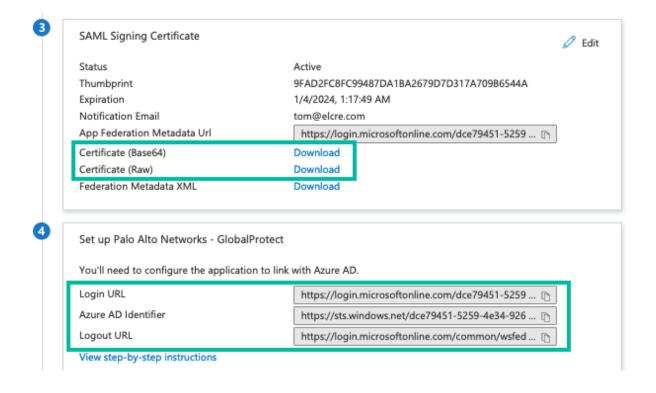




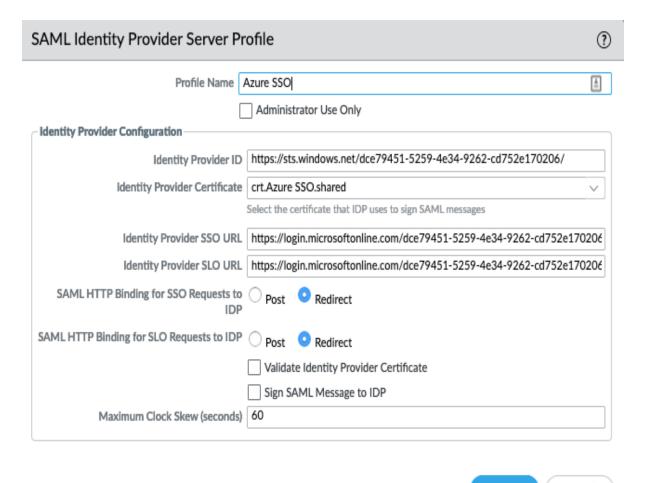






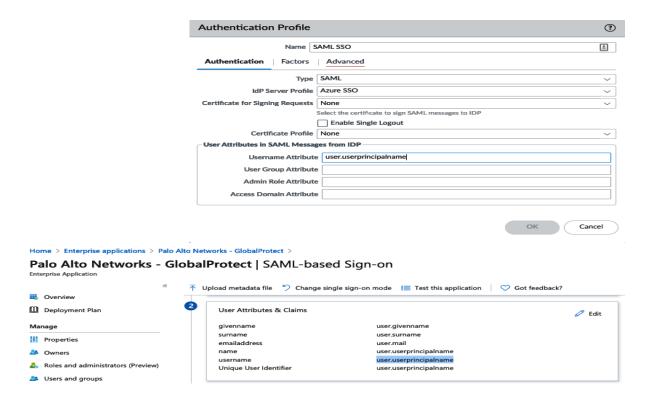


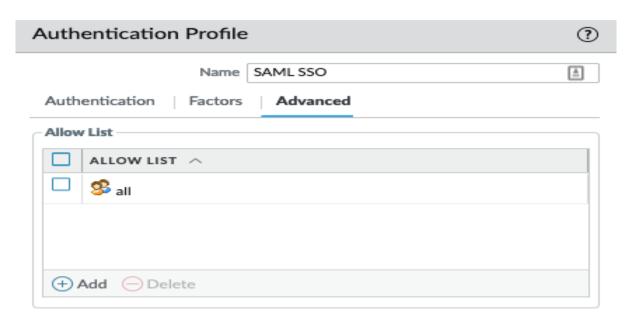
Profile Name Azure SSO Administrator Use Only Identity Provider Configuration Identity Provider Metadata C:\fakepath\Palo Alto Networks - GlobalProtect.xm Browse... Validate Identity Provider Certificate Validate Metadata Signature Maximum Clock Skew (sec) 60 OK Cancel



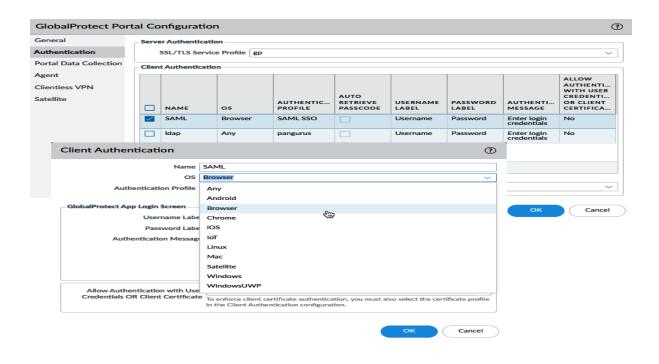
OK

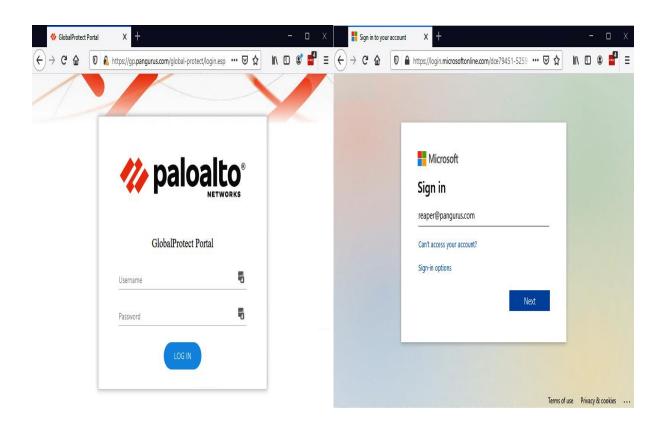
Cancel

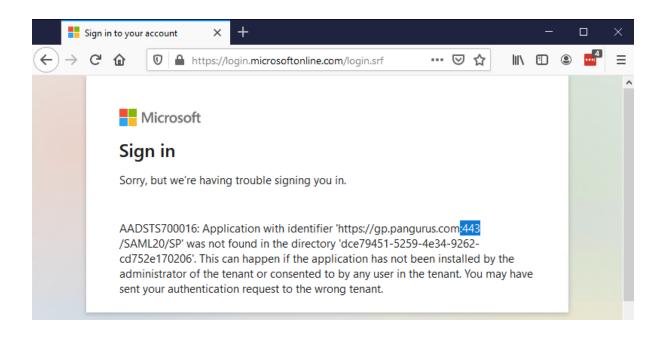


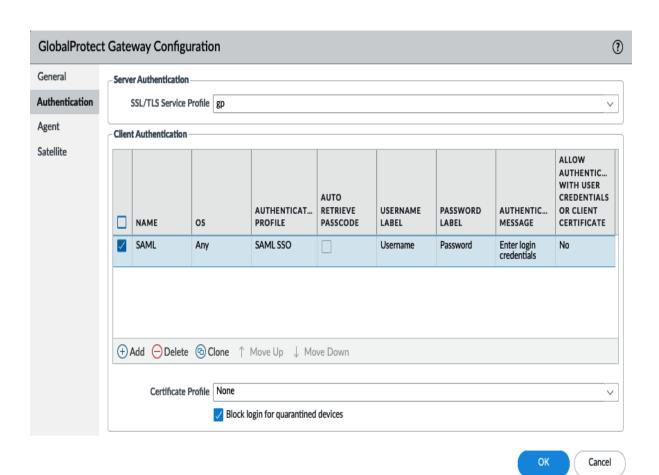


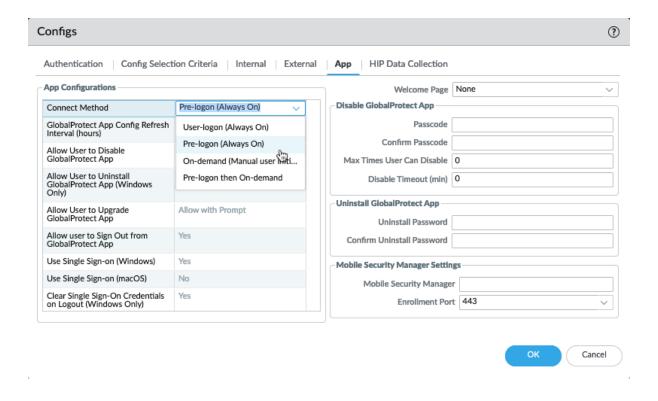


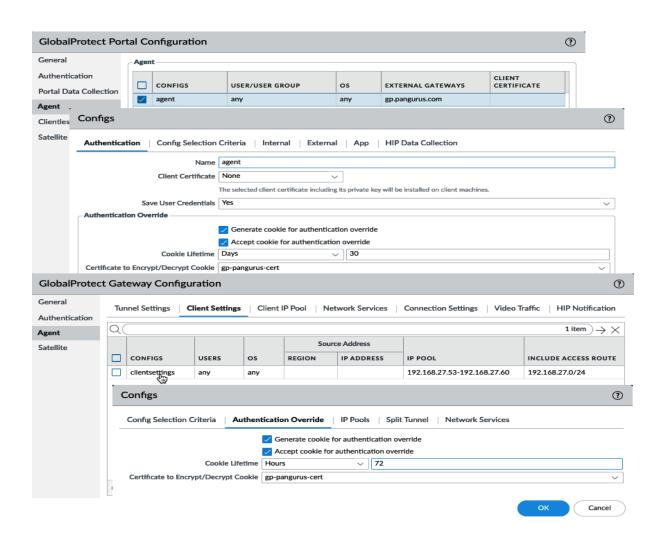


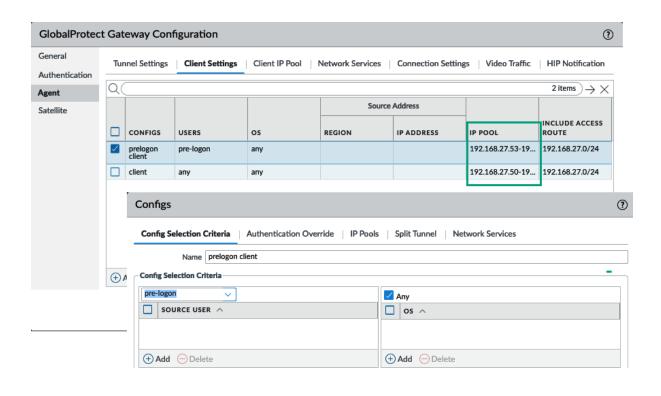


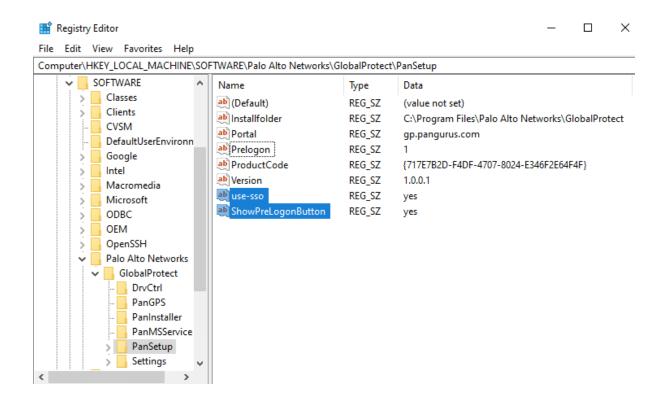


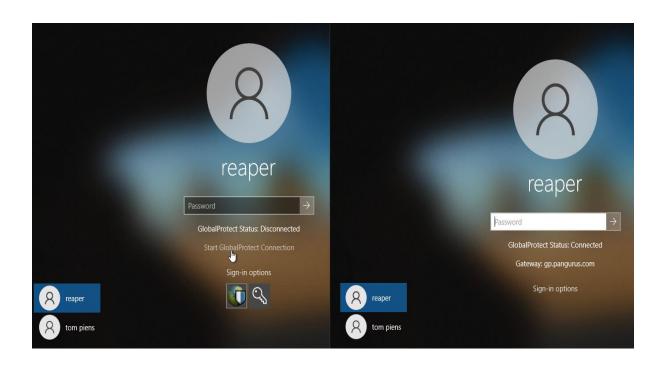


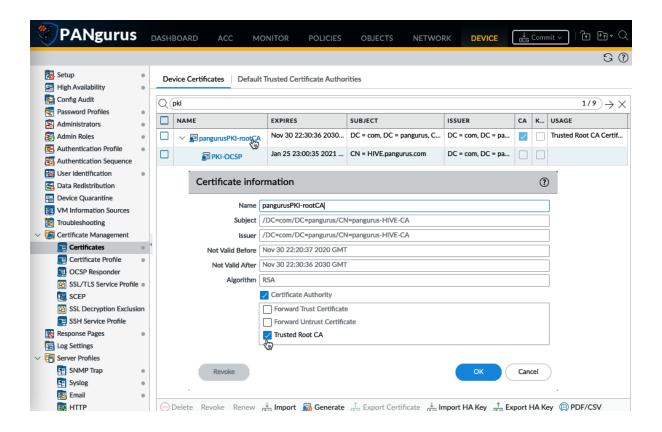


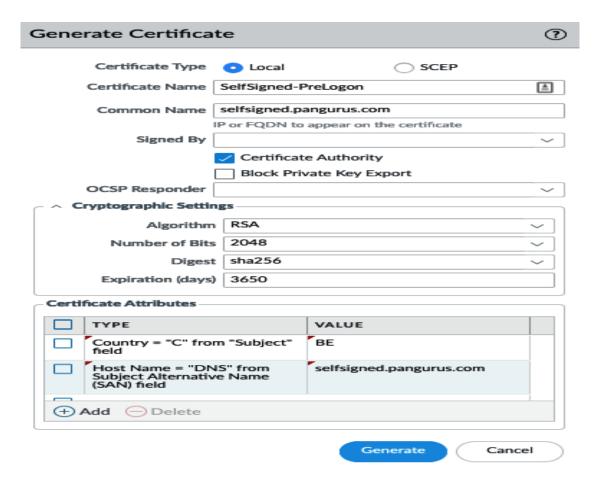


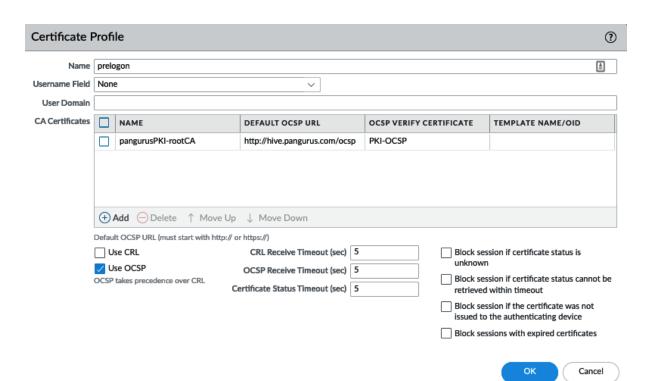


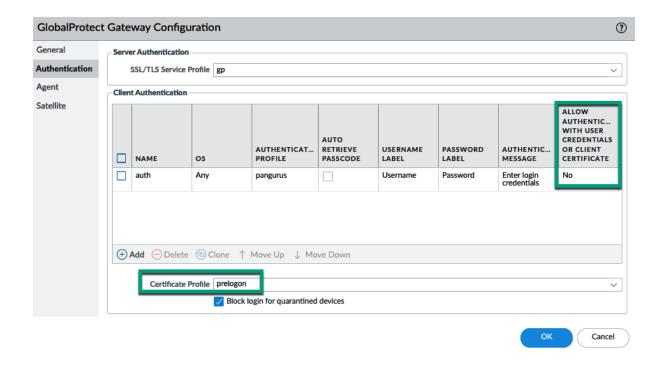


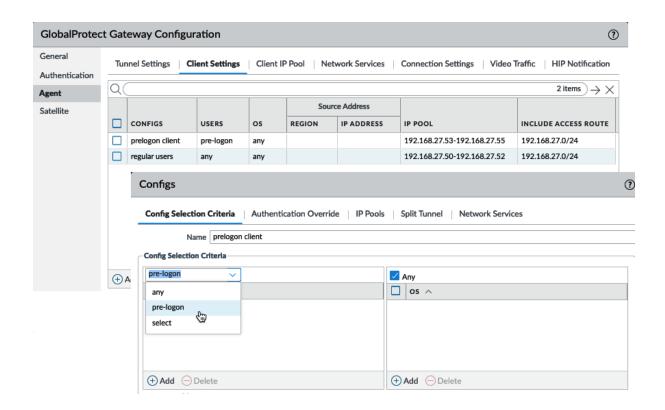


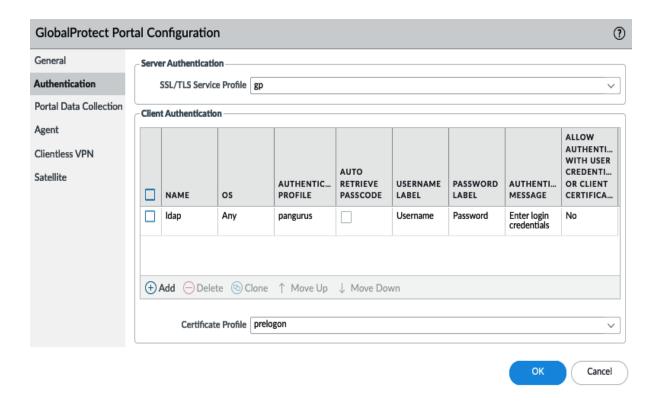


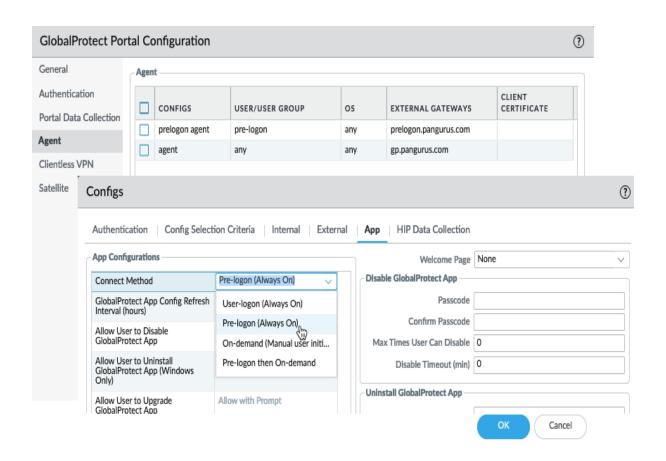


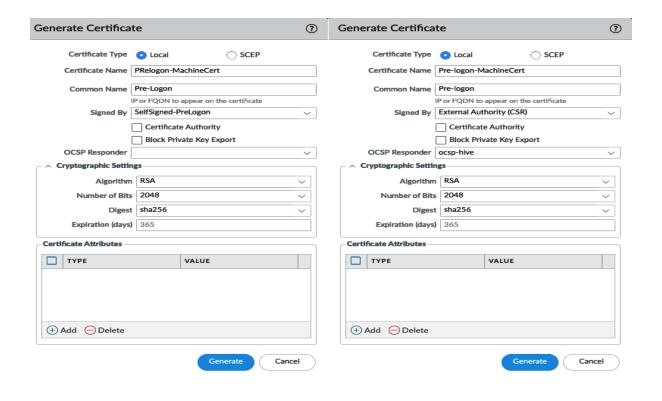


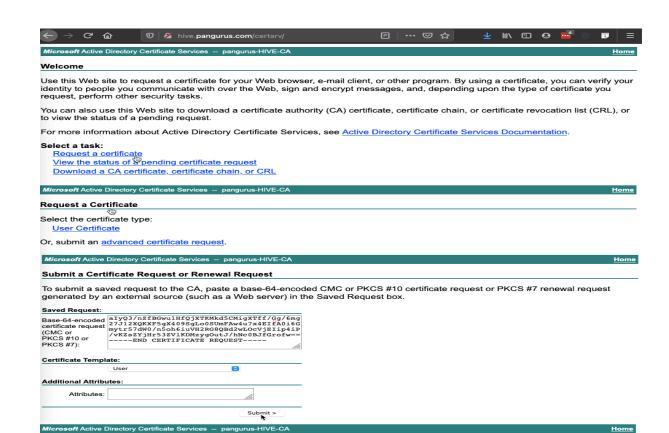












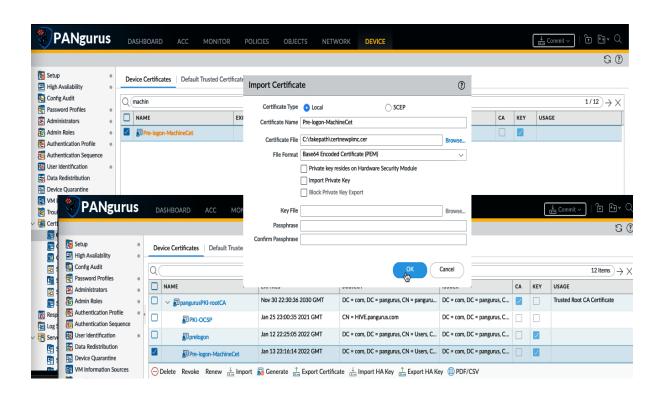
Certificate Issued

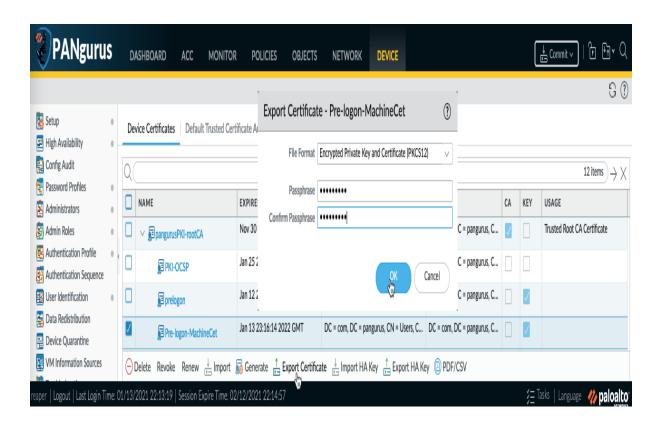
The certificate you requested was issued to you.

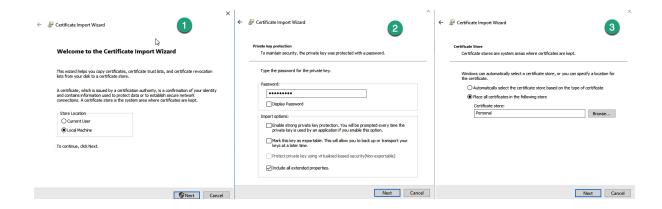
Download certificate

Download certificate chain

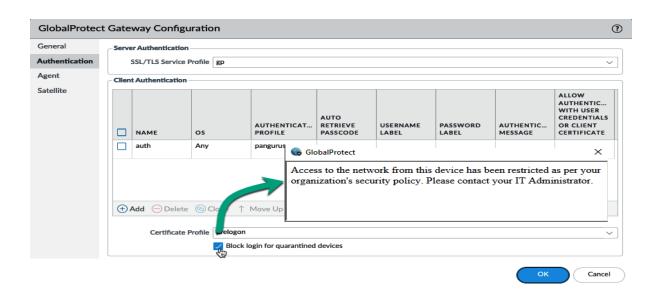
DER encoded or OBase 64 encoded

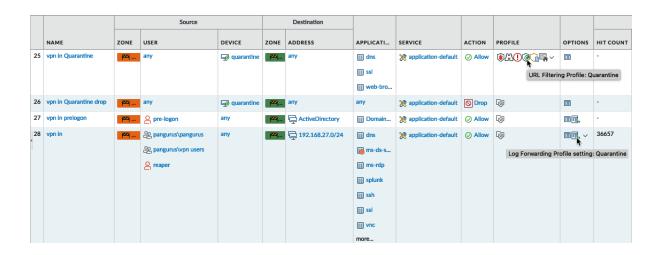


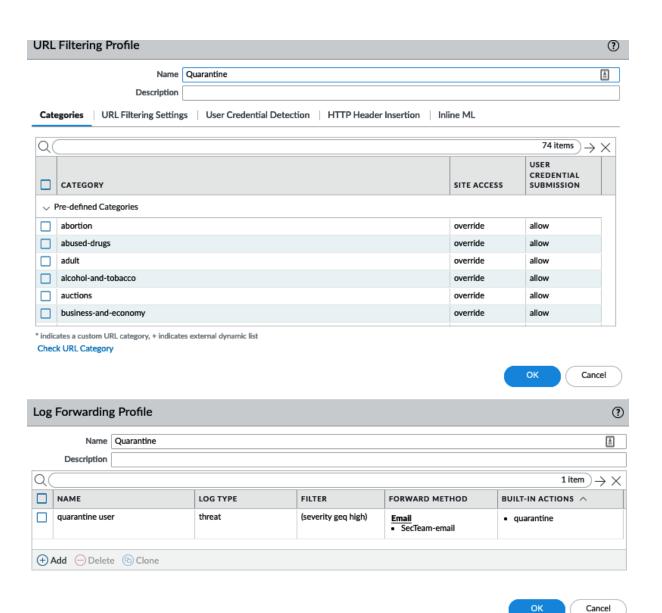


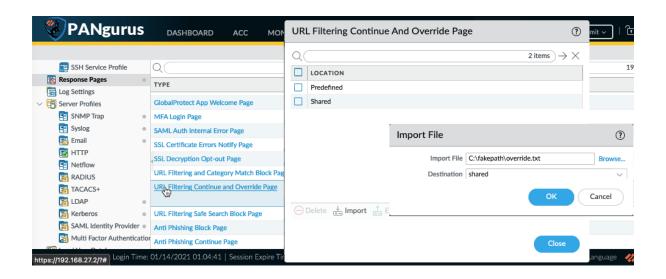


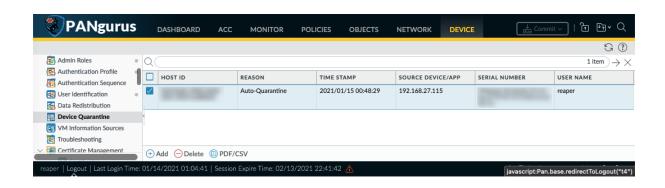


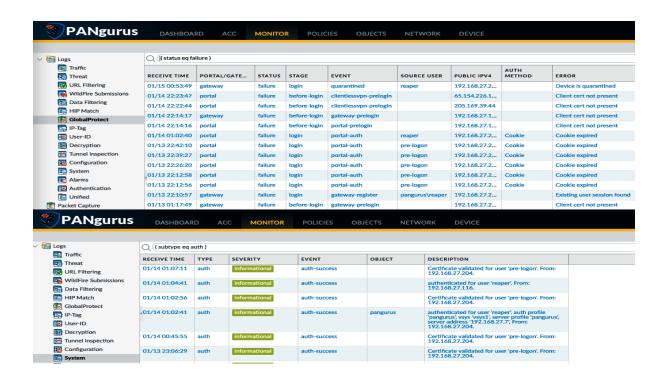


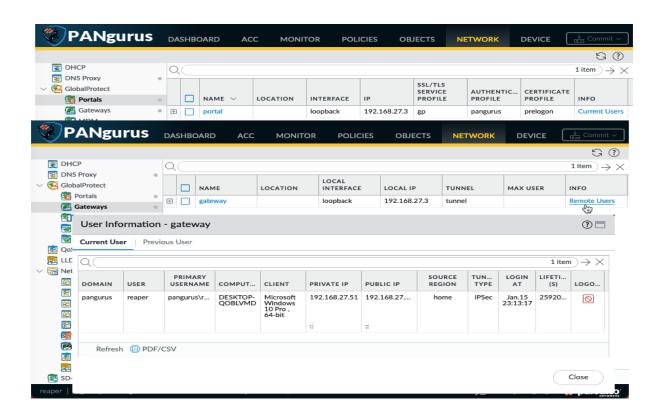


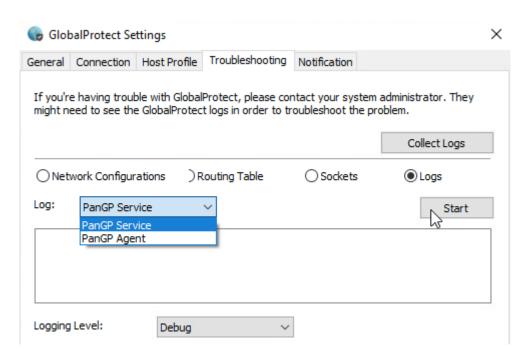




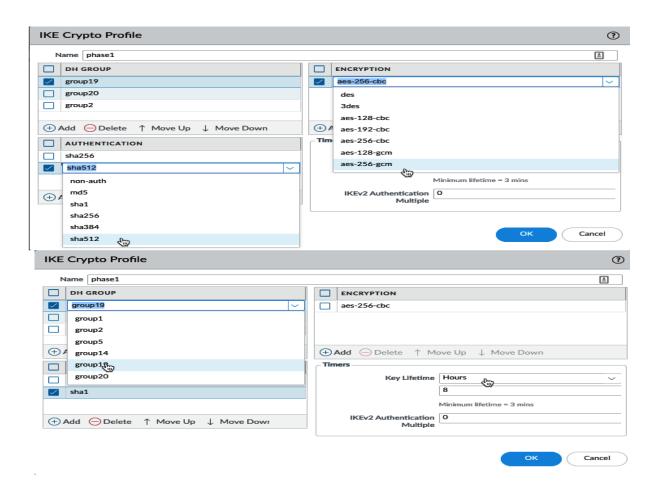


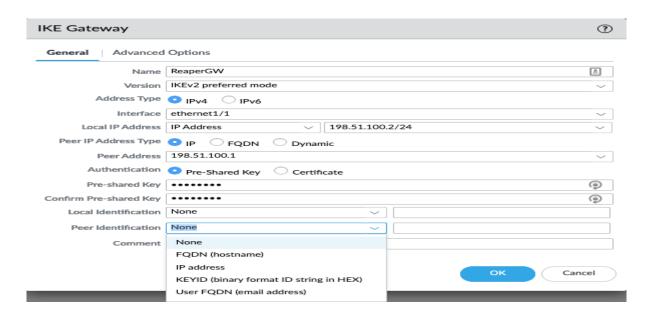


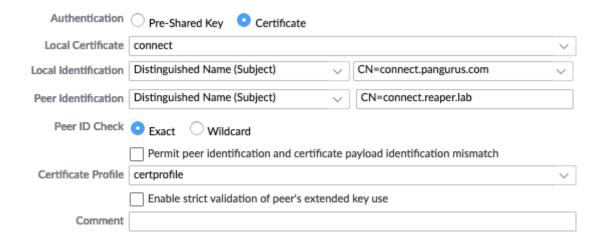


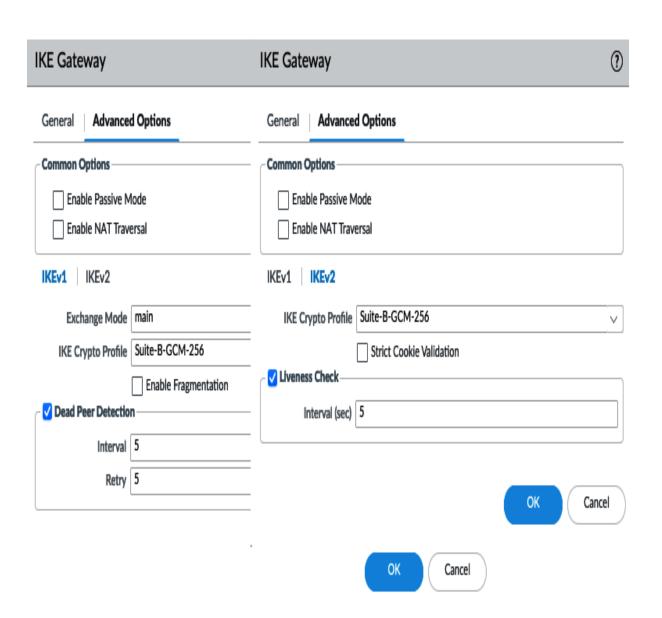


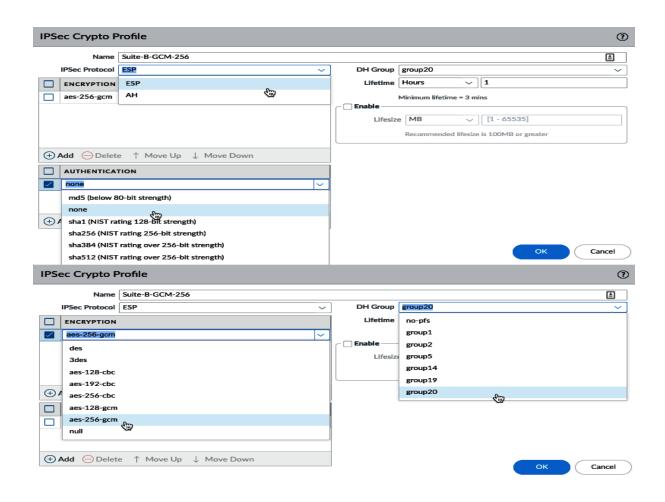
Chapter 3: Setting up Site-to-Site VPNs and Large-Scale VPNs

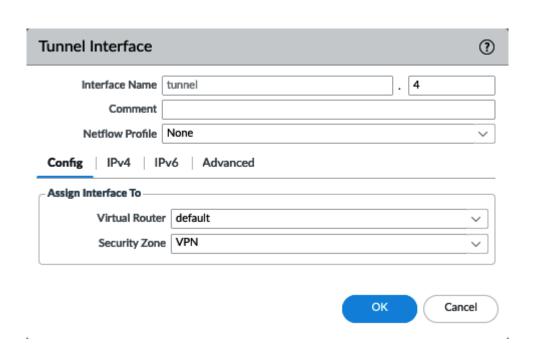


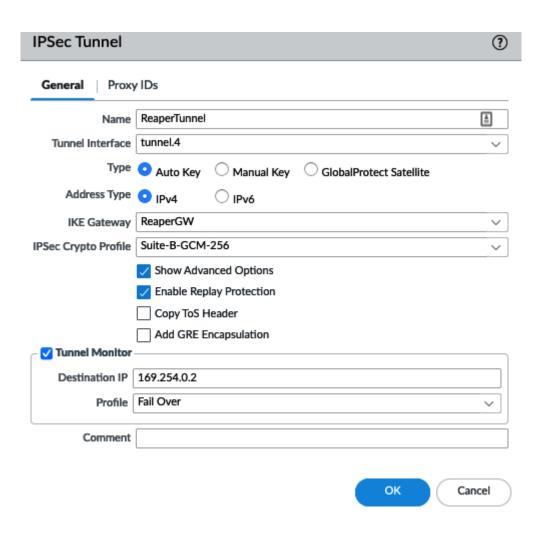


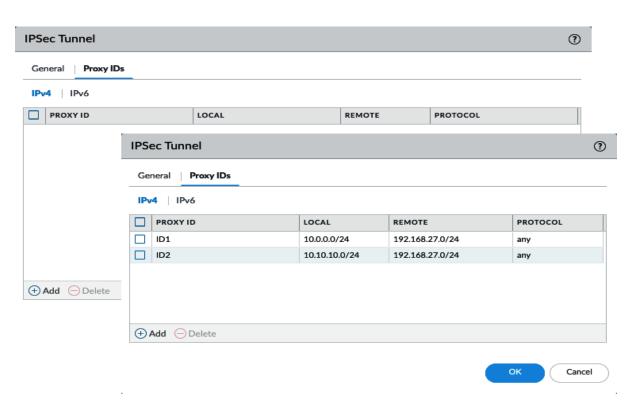


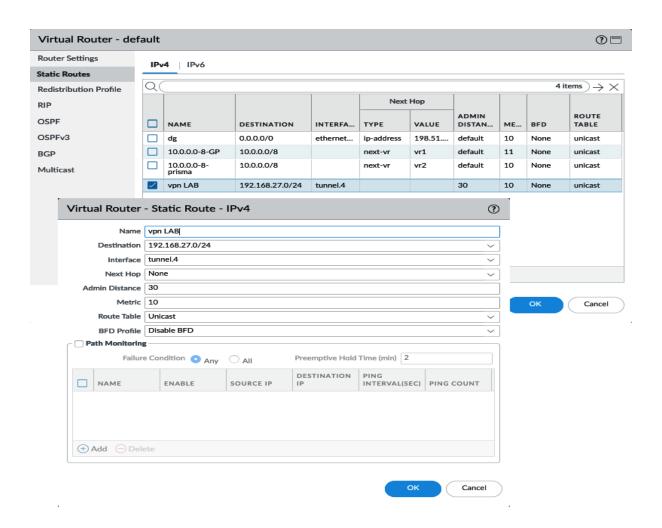


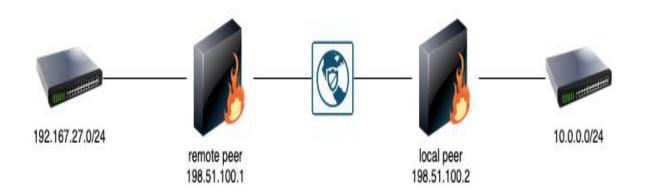


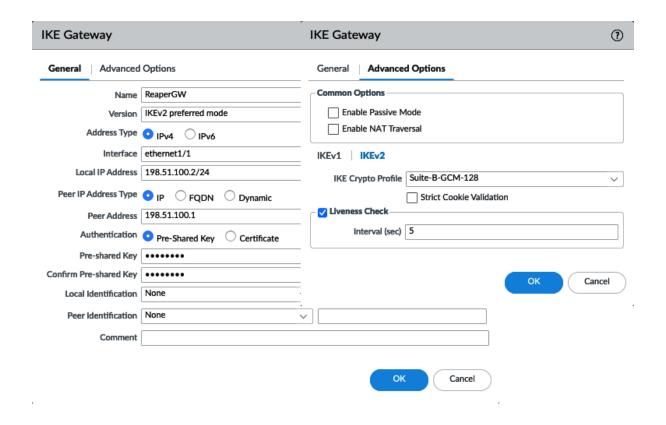


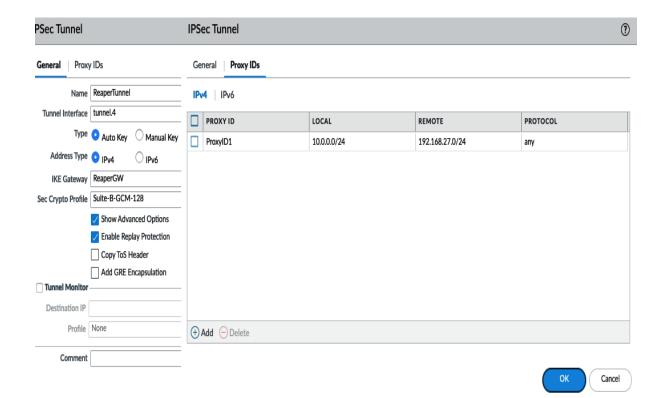


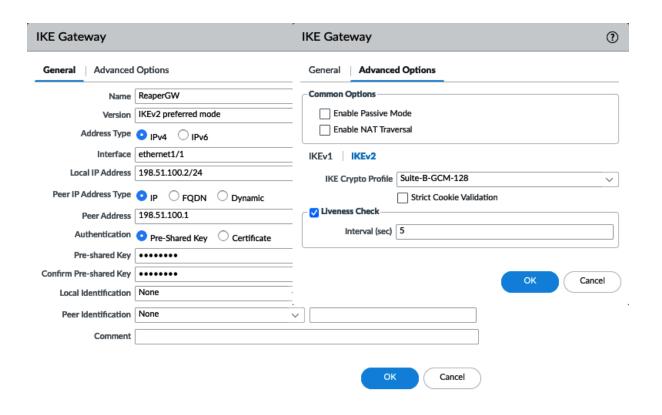


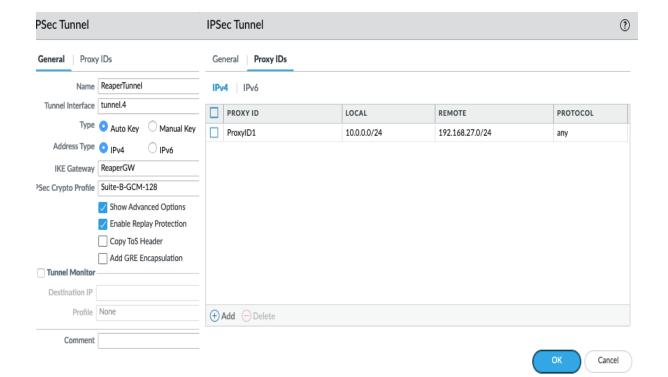












			IKE Gateway/Satellite				Tunnel Interface					
NAME	STATUS	TYPE	INTERFACE	LOCAL IP	PEER Address	STATUS	INTER	VIRTUAL ROUTER	VIR SYS	SE ZO	S	C
ReaperTunnel	Tunnel Info	Auto Key	ethernet1/1	198.51.100.2/24	198.51.100.1	IKE Info	tunnel.4	default (Show Routes)	vsys1	VPN		

RECEIVE TIME	TYPE	SEVERITY	EVENT	OBJECT	DESCRIPTION
01/26 23:41:11	vpn	informat	ike-nego-p1-delete	ReaperGW	IKE phase-1 SA is deleted SA: 198.51.100.2[500]-198.51.100.1[500] cookie:20af4534796f0f71:00000000000000000.
01/26 23:41:11	vpn	informat	ike-nego-p1-fail	ReaperGW	IKE phase-1 negotiation is failed as initiator, main mode. Failed SA: 198.51.100.2[500]-198.51.100.1[500] cookie:20af4534796f0f71:000000000000000. Due to timeout
01/26 23:40:38	vpn	informat	ike-nego-p1-start	ReaperGW	IKE phase-1 negotiation is started as initiator, main mode. Initiated SA: 198.51.100.2[500]-198.51.100.1[500] cookie:20af4534796f0f71:00000000000000000.
01/26 23:40:38	vpn	informat	ikev2-nego-use-v1	ReaperGW	IKEv1 is used in IKEv2 preferred mode.
01/26 23:40:38	vpn	informat	ike-generic-event		IKE_SA_INIT retransmission failed for gateway ReaperGW SN 2, trying IKEv1.
01/26 23:38:22	vpn	informat	ikev2-nego-ike-start	ReaperGW	IKEv2 IKE SA negotiation is started as initiator, non-rekey. Initiated SA: 198.51.100.2[500]-198.51.100.1[500] SPI:75dc0c769c7978cf:000000000000000000000000000000000000

Q (subtype eq	(subtype eq vpn) and (receive_time geq '2021/01/26 23:41:34')									
RECEIVE TIME	TYPE	SEVERITY	EVENT	OBJECT	DESCRIPTION					
01/26 23:57:02	vpn	informat	ike-nego-p1-delete	ReaperGW	IKE phase-1 SA is deleted SA: 198.51.100.2[500]-198.51.100.1[500] cookie:0d2c50104c952c72:92601de302f9d953.					
01/26 23:57:02	vpn	informat	ike-nego-p1-fail- common	ReaperGW	IKE phase-1 negotiation is failed. no suitable proposal found in peer's SA payload.					
01/26 23:57:02	vpn	informat	ikev2-nego-use-v1	ReaperGW	IKEv1 is used in IKEv2 preferred mode.					
01/26 23:57:02	vpn	informat	ike-nego-p1-start	ReaperGW	IKE phase-1 negotiation is started as responder, main mode. Initiated SA: 198.51.100.2[500]-198.51.100.1[500] cookie:0d2c50104c952c72:92601de302f9d953.					

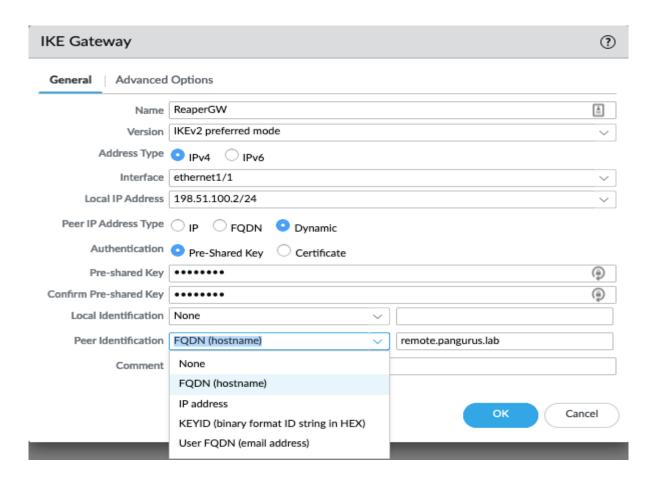
```
| 10.1-27 | 00.11114-4.44 | 01.00 | [DEEG] | Processing tealing packs | 10.1 | 10.1 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 | 10.0 |
```

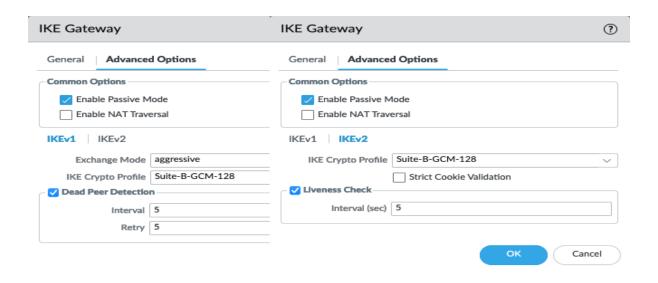
(subtype eq v	/pn) and (re	ceive_time geo	'2021/01/27 00:41:32')	-
RECEIVE TIME	TYPE	SEVERITY	EVENT	OBJECT	DESCRIPTION
01/27 00:55:46	vpn	informat	ike-send-notify	ReaperGW	IKE protocol notification message sent: NO-PROPOSAL- CHOSEN (14).
01/27 00:55:46	vpn	informat	ike-nego-p2-proposal- bad	ReaperTunnel:Pr	IKE phase-2 negotiation failed when processing SA payload. no suitable proposal found in peer's SA payload.
01/27 00:55:46	vpn	informat	ike-nego-p2-start	198.51.100.1[50	IKE phase-2 negotiation is started as responder, quick mode. Initiated SA: 198.51.100.2[500]-198.51.100.1[500] message id:0x6040CA45.
01/27 00:55:38	vpn	informat	ike-send-notify	ReaperGW	IKE protocol notification message sent: NO-PROPOSAL-CHOSEN (14).
01/27 00:55:38	vpn	informat	ike-nego-p2-proposal- bad	ReaperTunnel:Pr	IKE phase-2 negotiation failed when processing SA payload. no suitable proposal found in peer's SA payload.
01/27 00:55:38	vpn	informat	ike-nego-p2-start	198.51.100.1[50	IKE phase-2 negotiation is started as responder, quick mode. Initiated SA: 198.51.100.2[500]-198.51.100.1[500] message id:0x6040CA45.

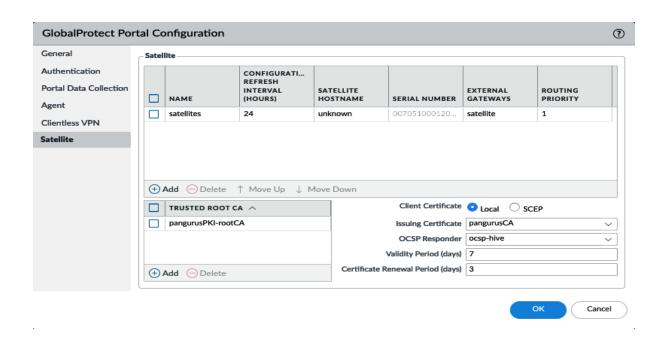
			IKE Gateway/Satellite					Tunnel Interface			
NAME	STATUS	TYPE	INTERFACE	LOCAL IP	PEER ADDRESS	STATUS	INTERFACE	VIRTUAL ROUTER		SEC ZONE	STA
ReaperTunnel	Tunnel Info	Auto Key	ethernet1/1	198.51.100.2/24	198.51.100.1	IKE Info	tunnel.4	default (Show Routes)	vsys1	VPN	

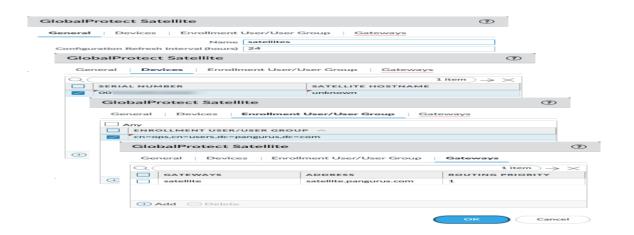
Q (subtype eq v	(subtype eq vpn) and (receive_time geq '2021/01/27 00:41:32')								
RECEIVE TIME	TYPE	SEVERITY	EVENT	OBJECT	DESCRIPTION				
01/27 01:18:11	vpn	informat	ike-nego-p2-proxy-id- bad	ReaperGW	IKE phase-2 negotiation failed when processing proxy ID. cannot find matching phase-2 tunnel for received proxy ID. received local id: 10.0.0.0/24 type IPv4_subnet protocol 0 port 0, received remote id: 192.168.27.0/24 type IPv4_subnet protocol 0 port 0.				
01/27 01:18:11	vpn	informat	ike-nego-p2-start	198.51.100.1[50	IKE phase-2 negotiation is started as responder, quick mode. Initiated SA: 198.51.100.2[500]-198.51.100.1[500] message id:0xBAA77FA8.				
01/27 01:18:08	vpn	informat	ike-nego-p2-proxy-id- bad	ReaperGW	IKE phase-2 negotiation failed when processing proxy ID. cannot find matching phase-2 tunnel for received proxy ID. received local id: 10.0.0.0/24 type IPv4_subnet protocol 0 port 0, received remote id: 192.168.27.0/24 type IPv4_subnet protocol 0 port 0.				
01/27 01:18:08	vpn	informat	ike-nego-p2-start	198.51.100.1[50	IKE phase-2 negotiation is started as responder, quick mode. Initiated SA: 198.51.100.2[500]-198.51.100.1[500] message id:0xBAA77FA8.				

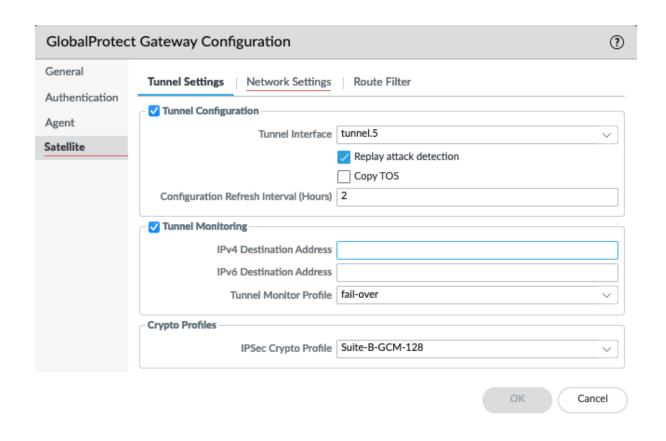


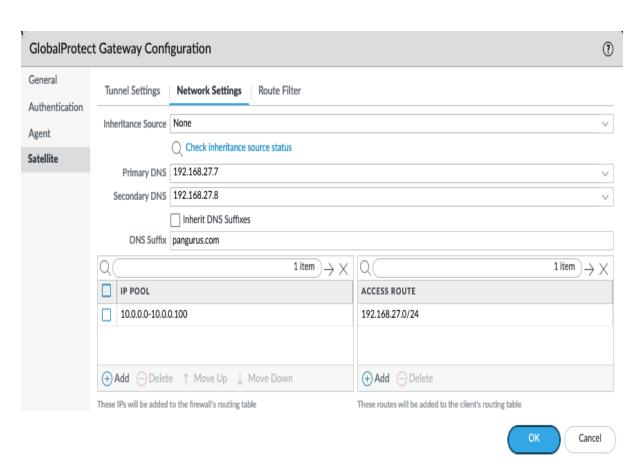


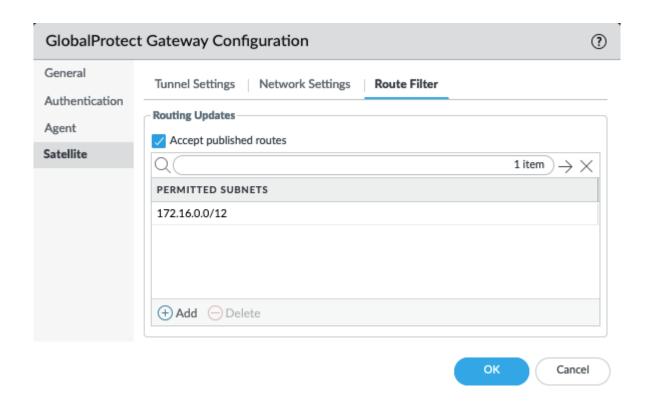


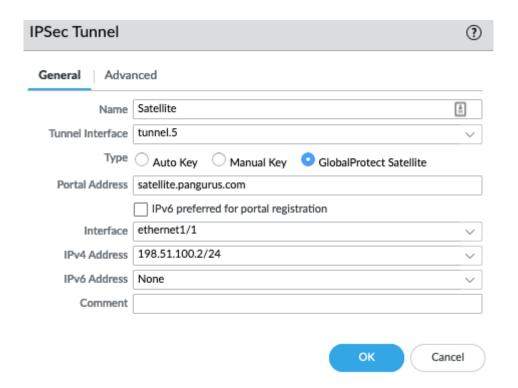


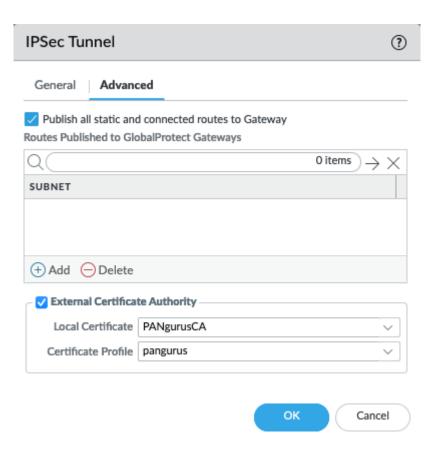


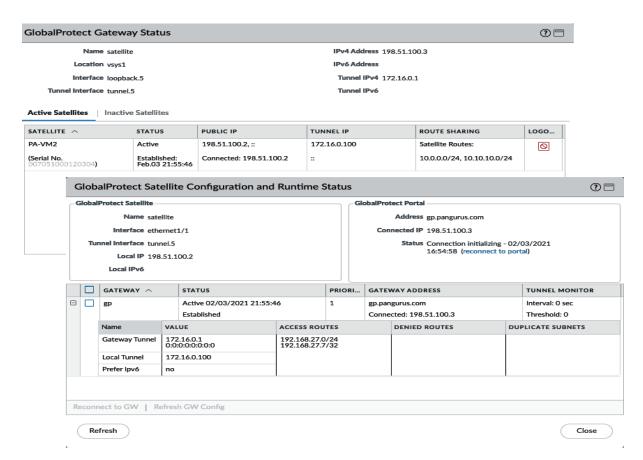




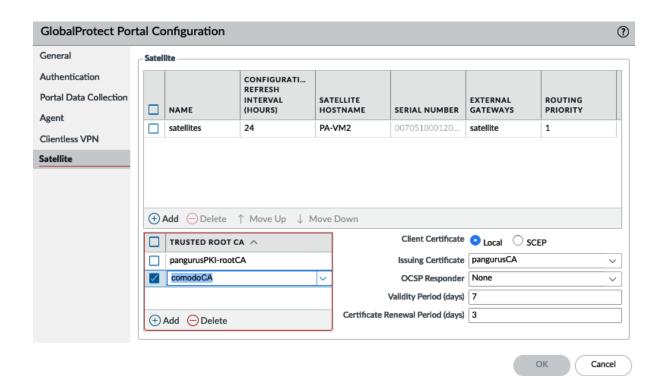




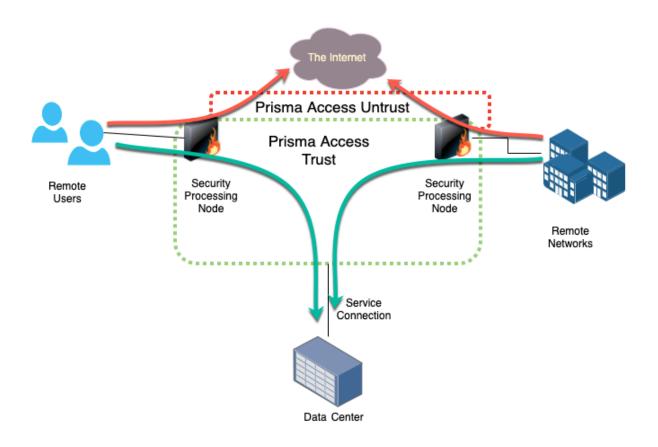




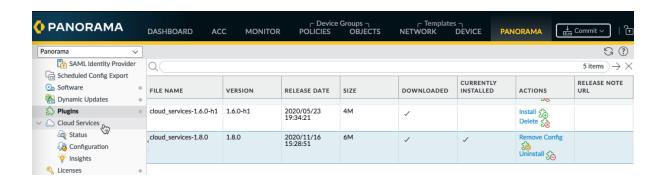
GlobalProtect	(subtype eq	Q ((subtype eq satd)) and (severity eq critical)								
📴 IP-Tag	RECEIVE TIME	TYPE	SEVERITY	EVENT	OBJECT	DESCRIPTION				
User-ID										
Decryption	02/03 00:53:03	satd	critical	satd-gateway- connect-failed	Satellite	GlobalProtect Satellite connection to gateway failed. Satellite failed to connect to Gateway gp.pangurus.com due to certificate				
Tunnel Inspection						was not trusted. subject=/CN=gp.pangurus.com; issuer=/C=AT /O=ZeroSSL/CN=ZeroSSL RSA Domain Secure Site CA; not				
Configuration						before=Dec 28 00:00:00 2020 GMT; not after=Mar 28 23:59:59 2021 GMT:				
System System										
Alarms	02/02 23:57:15	satd	critical	satd-portal-connect- failed	Satellite	GlobalProtect Satellite connection to portal failed. Satellite failed to connect to Portal 198.51.100.3 due to certificate common				
Authentication						name does not match the configured hostname on the satellite. subject=/CN=gp.pangurus.com; issuer=/C=AT/O=ZeroSSL				
Unified						/CN=ZeroSSL RSA Domain Secure Site CA; not before=Dec 28 00:00:00 2020 GMT: not after=Mar 28 23:59:59 2021 GMT:				

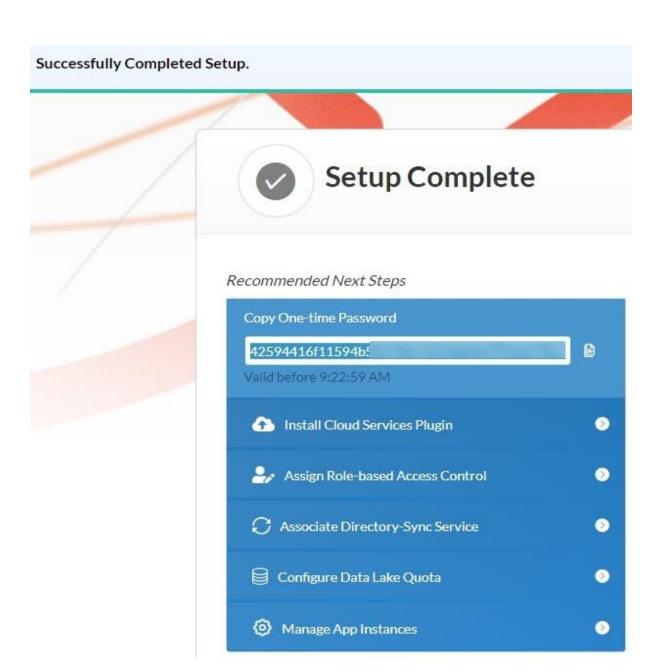


Chapter 4: Configuring Prisma Access

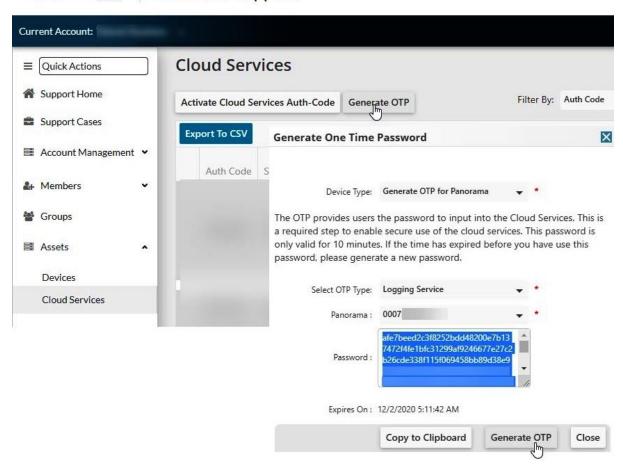


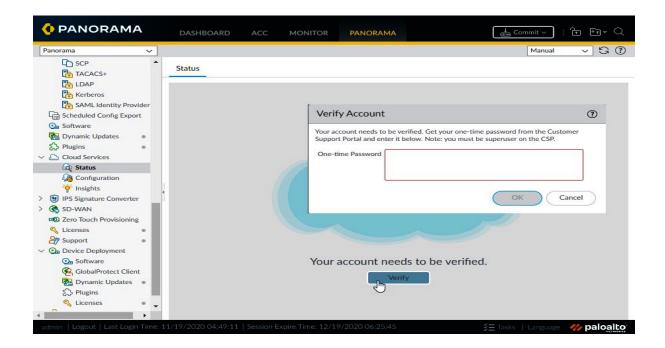


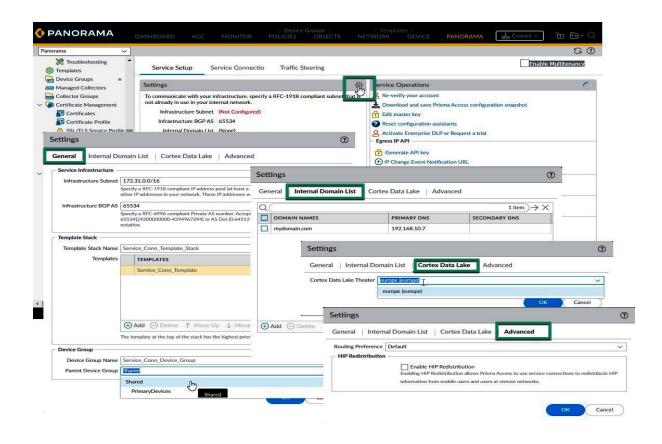


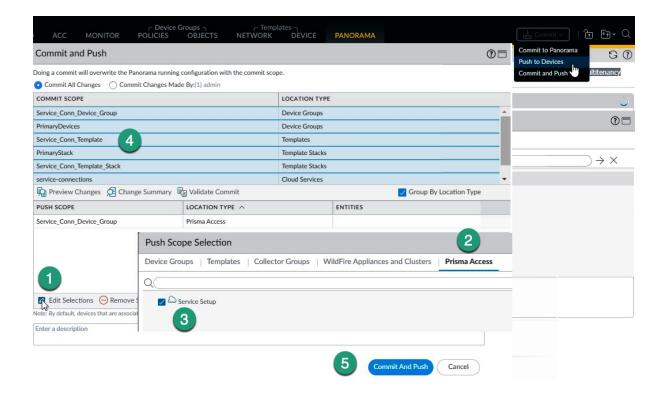


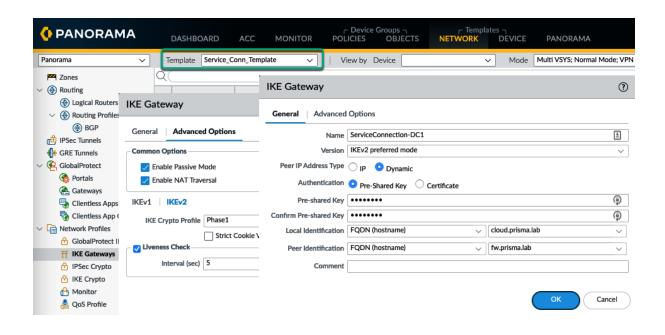
paloalto* Customer Support

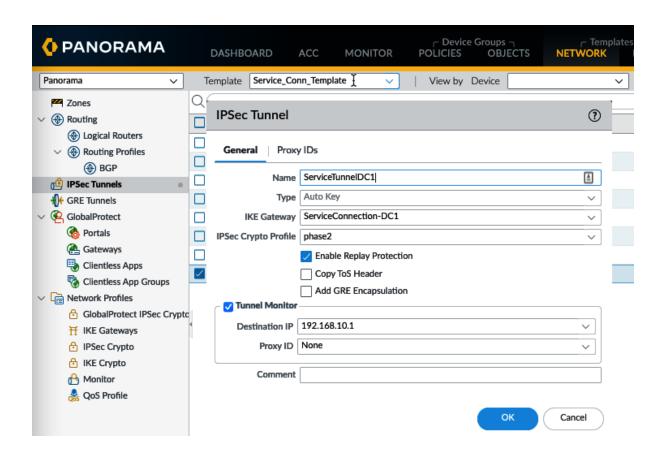


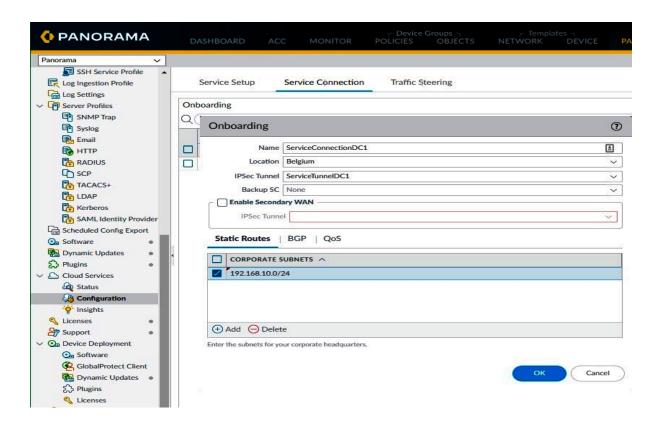


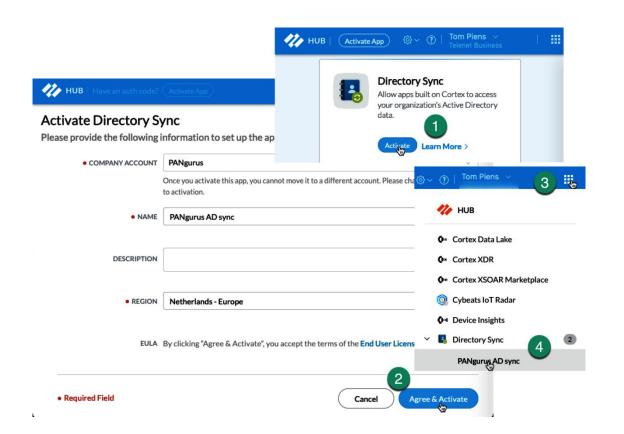












Set Up Directory

Configure an on-premises Active Directory or Azure Active Directory for this Directory Sync instance.



On-Premises

Install and configure a Directory Sync agent to collect user, group, and device attributes from your Active Directory.



Azure Active Directory

Grant permissions for Directory Sync to access your Azure Active Directory and collect user, group, and device attributes.







DIRECTORY

AGENTS & CERTIFICATES

ATTRIBUTES

Configure Directory Sync for Active Directory

Download and install the Directory Sync agent on a Windows server to allow Palo A Directory.

(1)

Download

Download the latest version of the Directory Sync agent.

Download Agent

2

Generate Certificate

Generate a certificate to authenticate the agent with the Directory Sync service.



Get Certificate

(3)

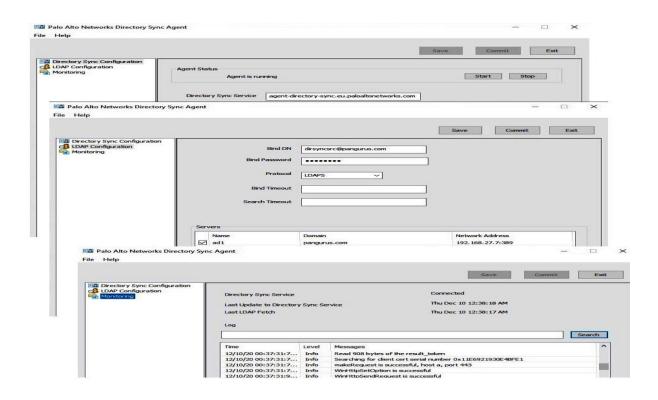
Install

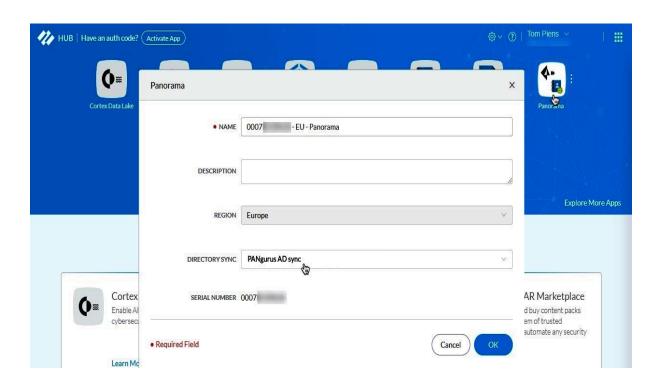
Install the agent on a Windows server and configure it to communicate with your Act

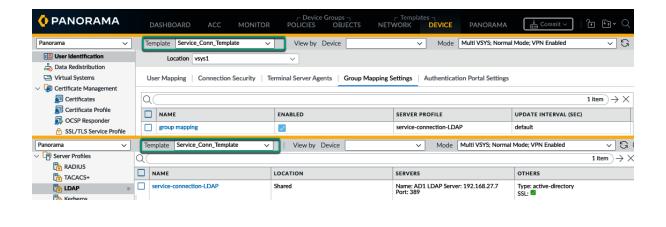
Get Started

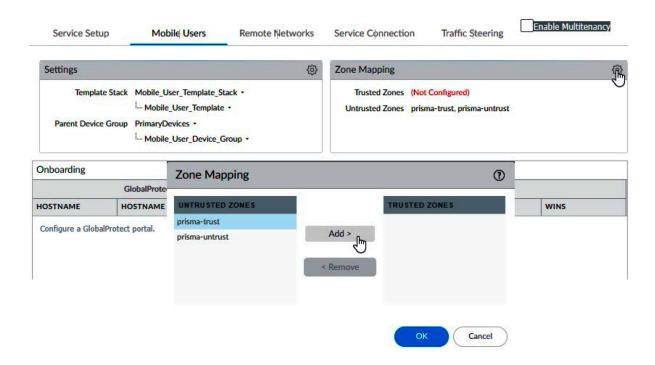


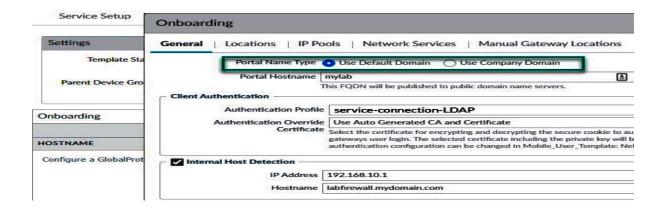




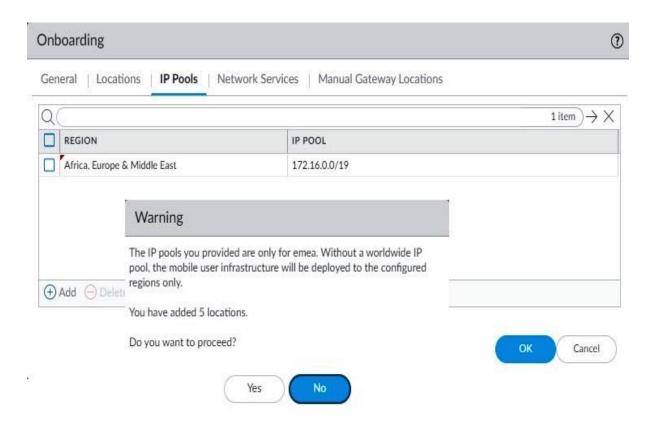


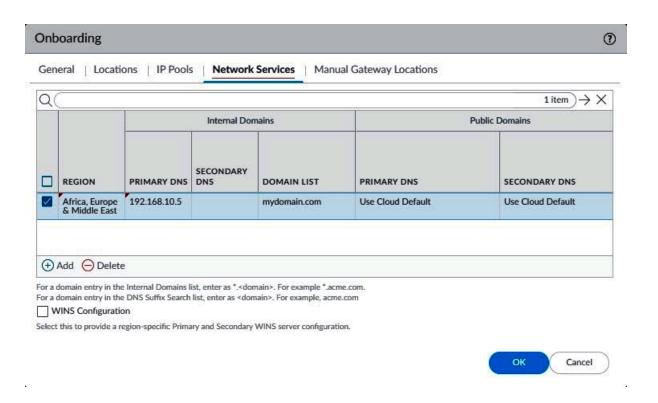


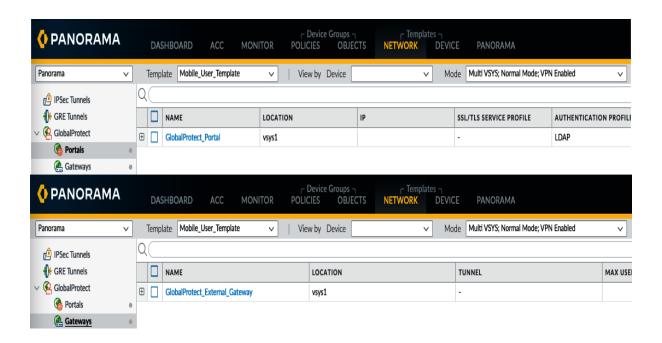


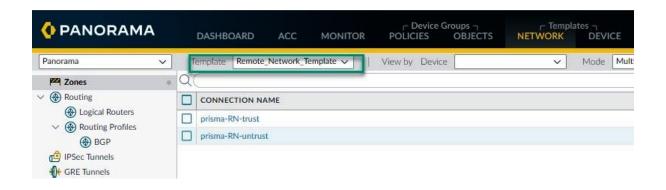


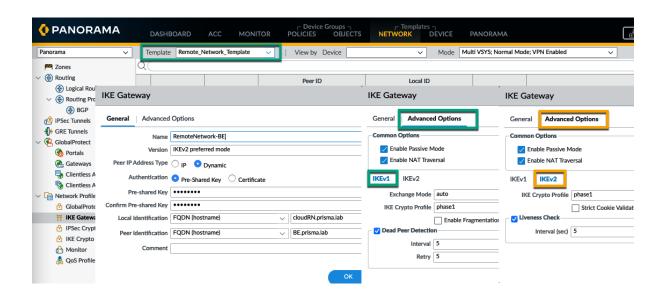


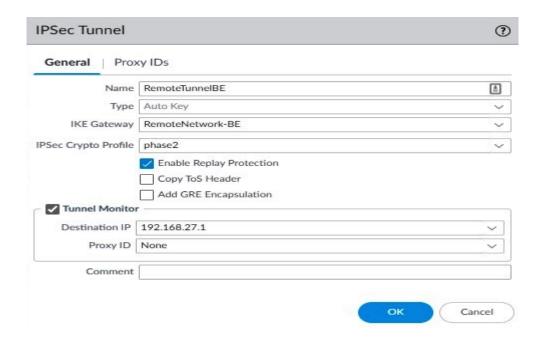


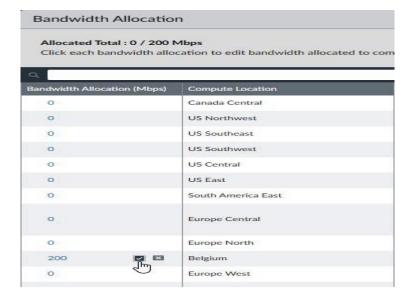


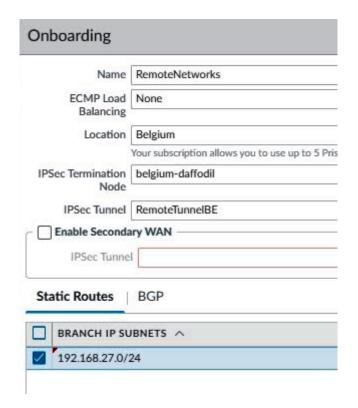




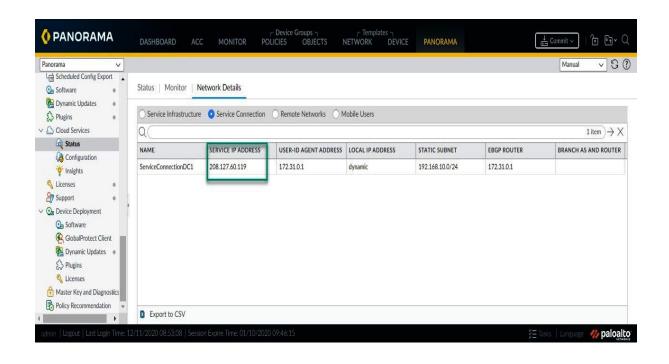


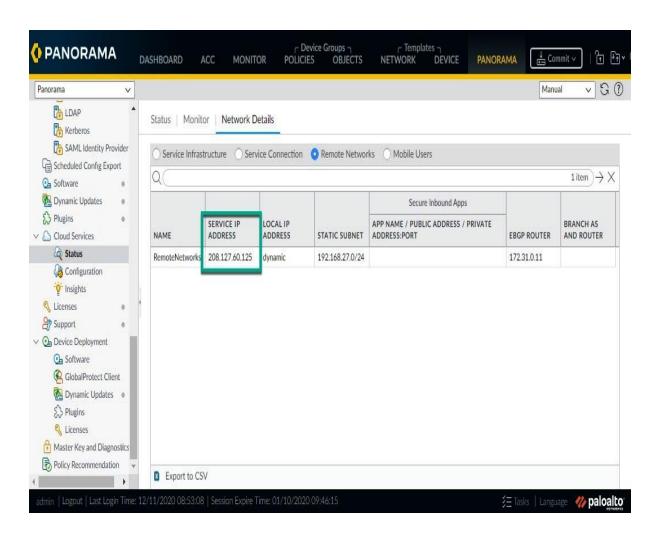


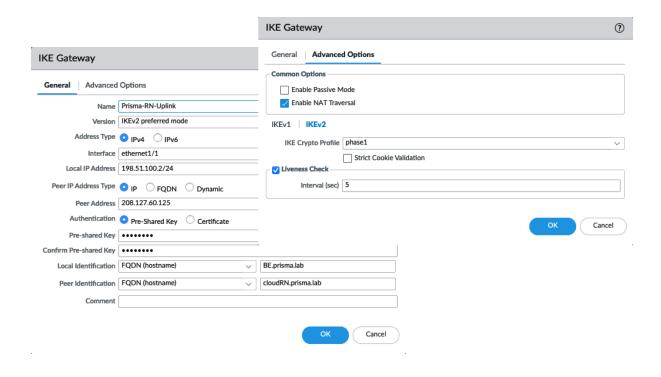


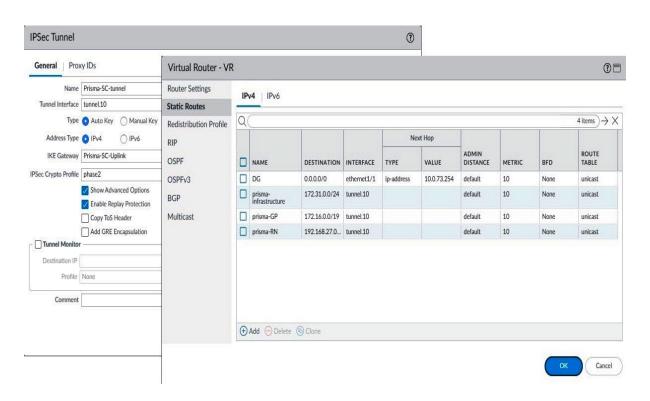


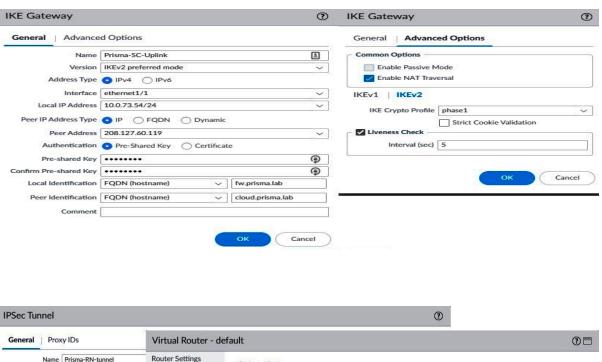


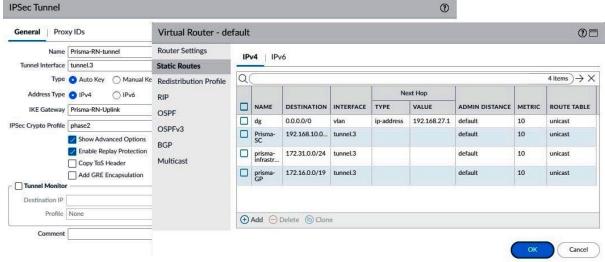


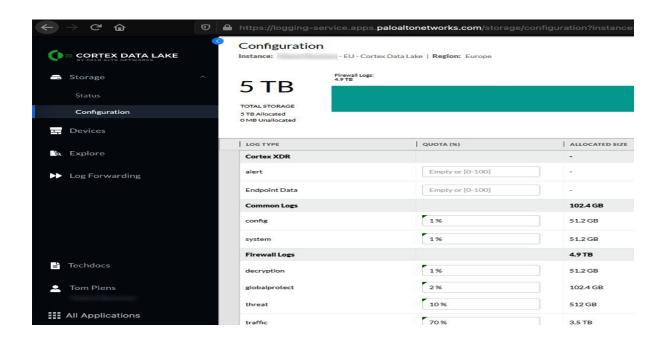




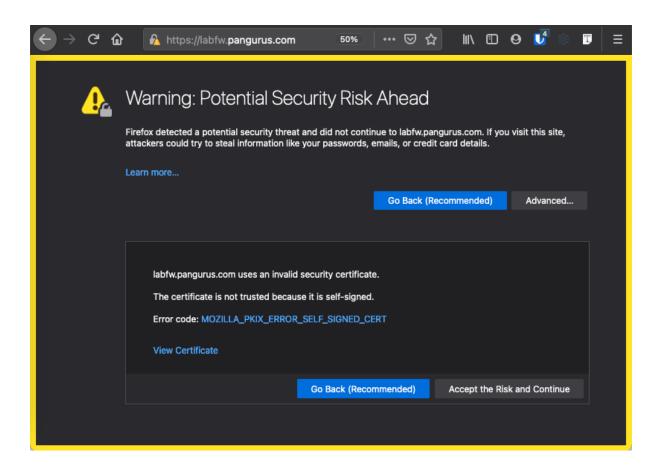


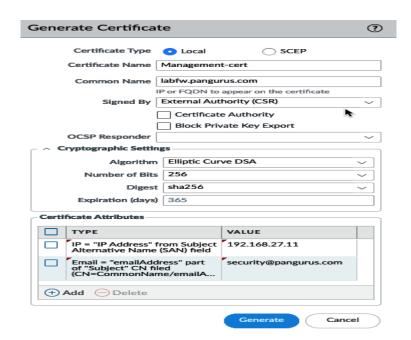


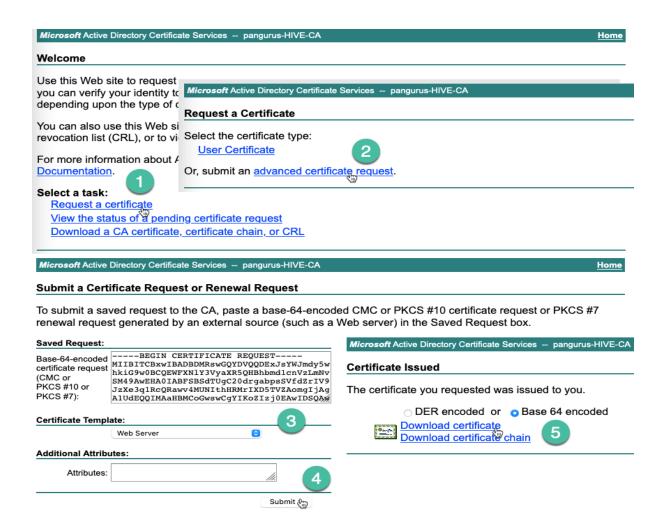


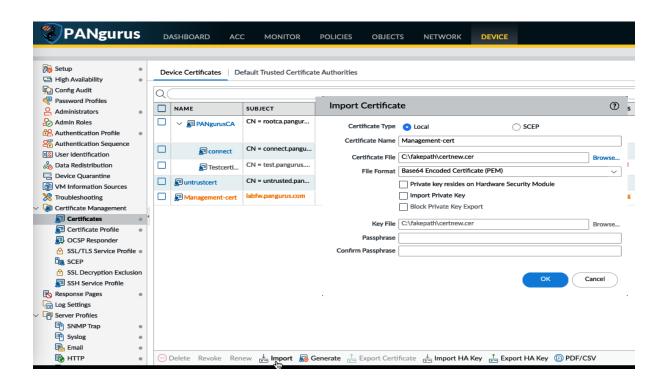


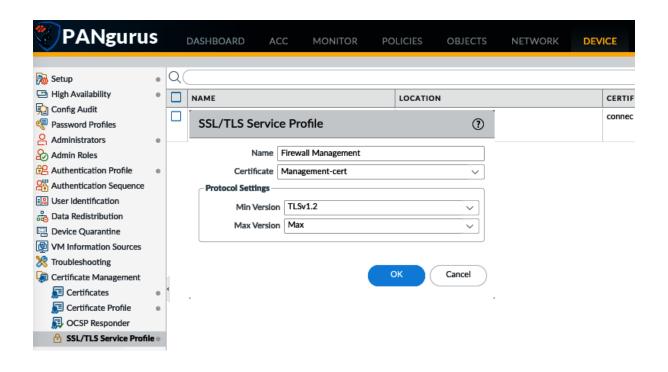
Chapter 5: Enabling Features to Improve Your Security Posture

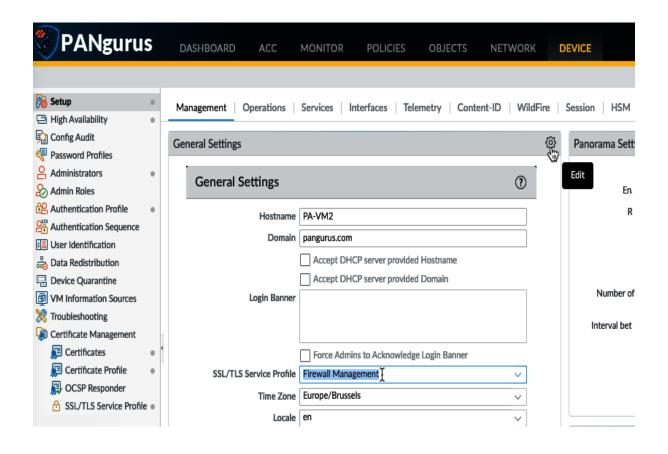


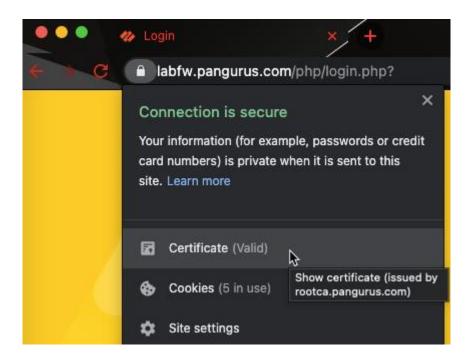


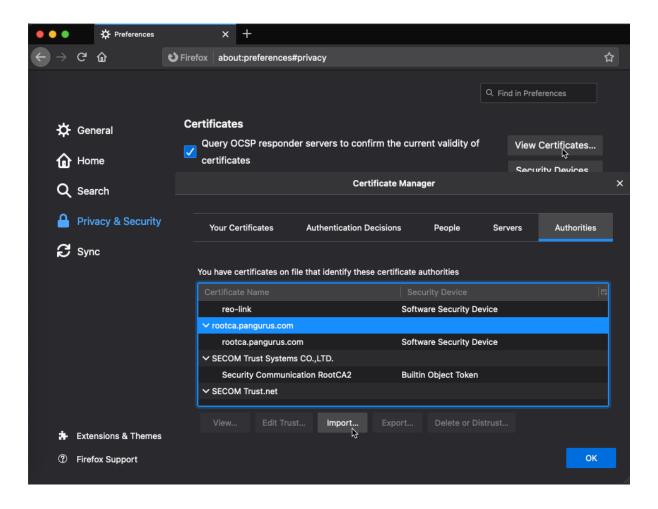


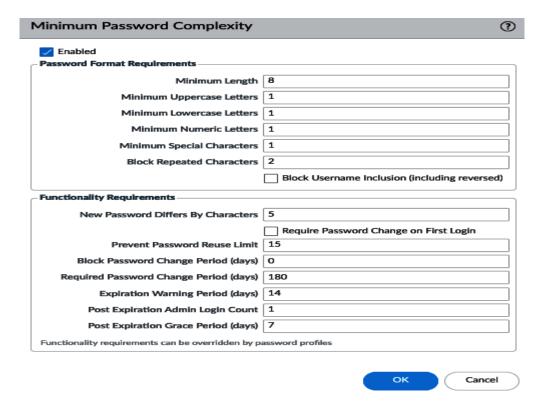


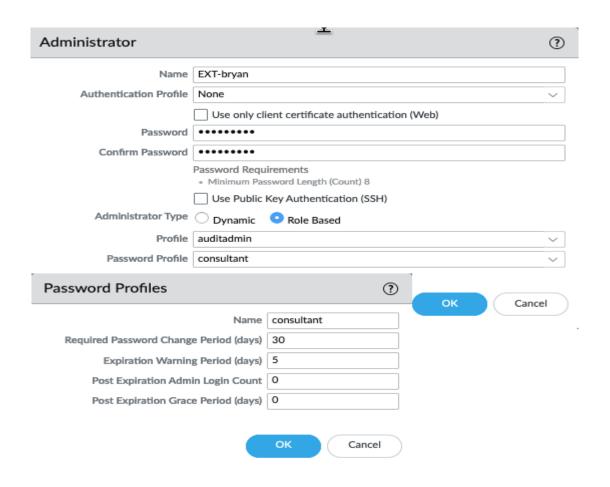


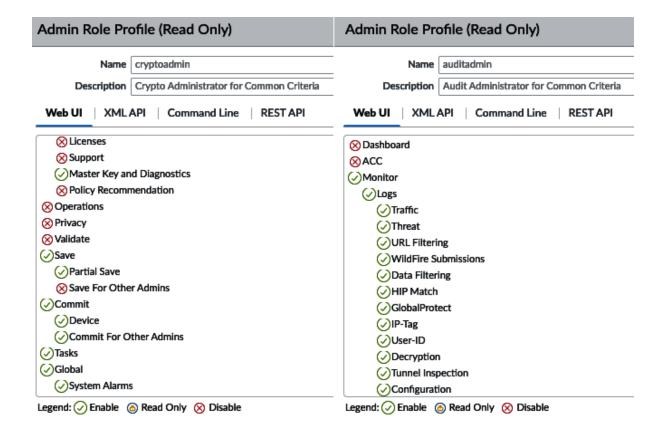


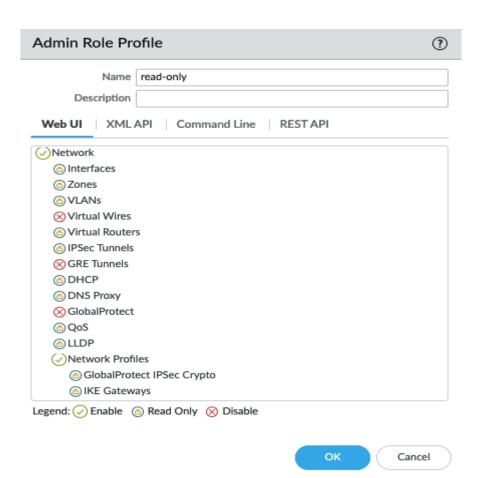


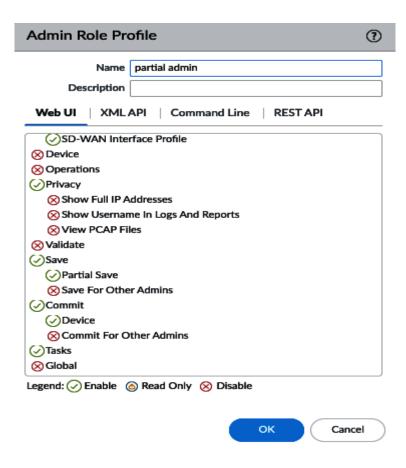


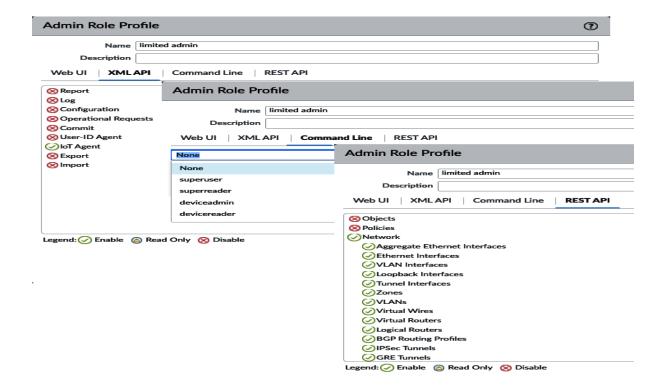


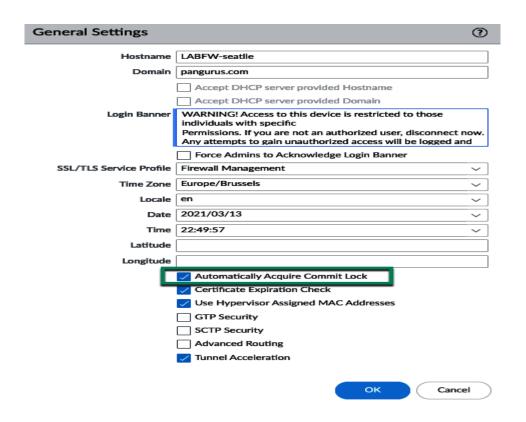


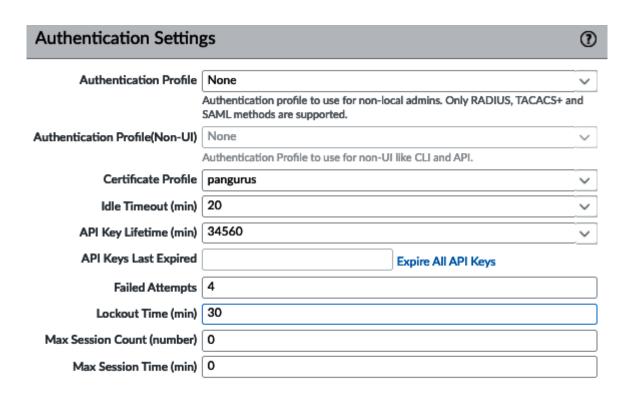






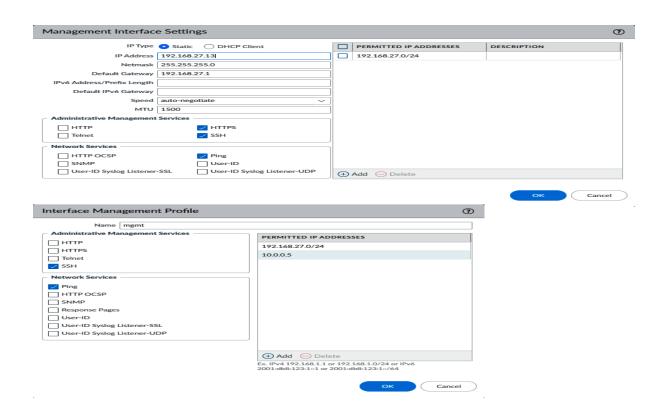


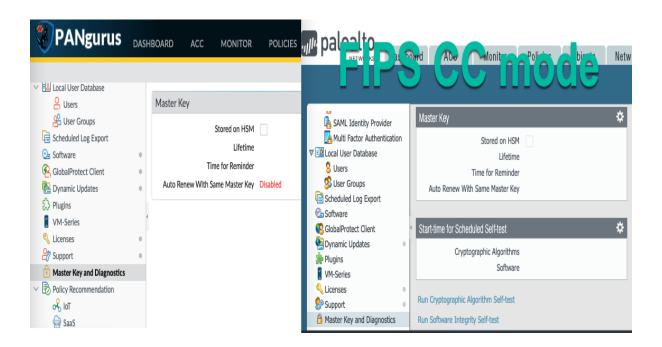


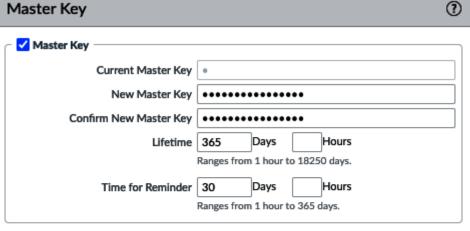


ОК

Cancel

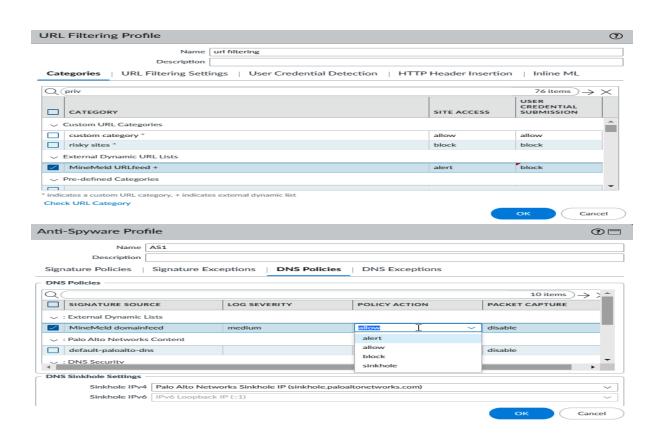


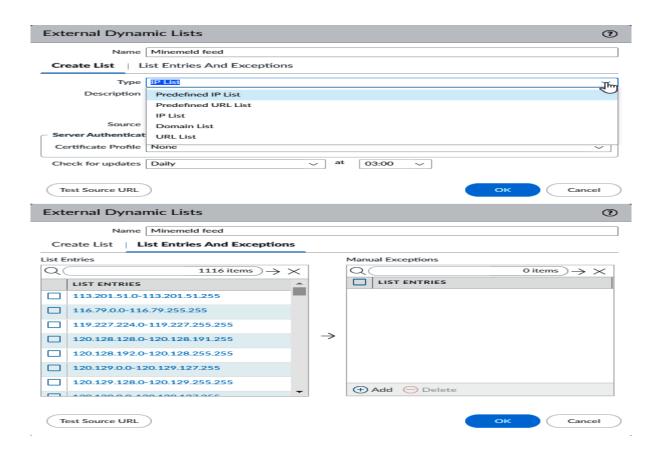


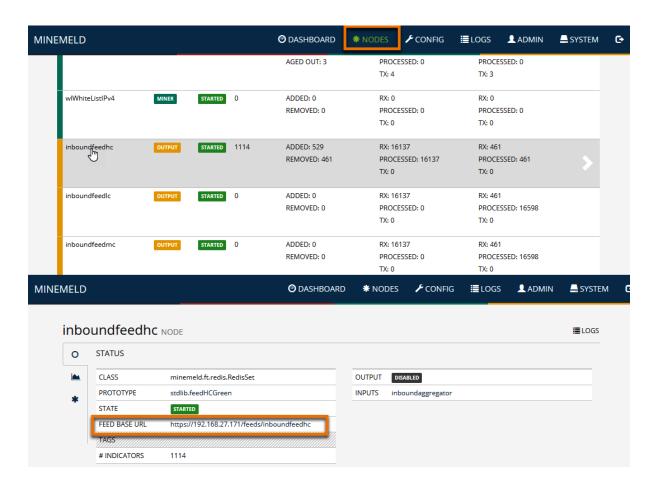


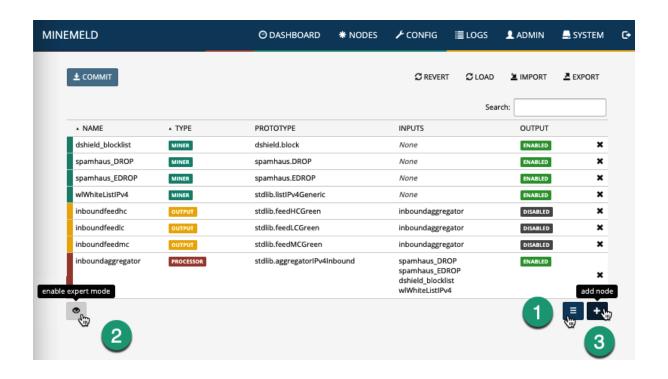
You must configure a new master key before the current key expires. If the master key expires, the firewall automatically reboots in Maintenance mode. You must then reset the firewall to Factory Default Settings.

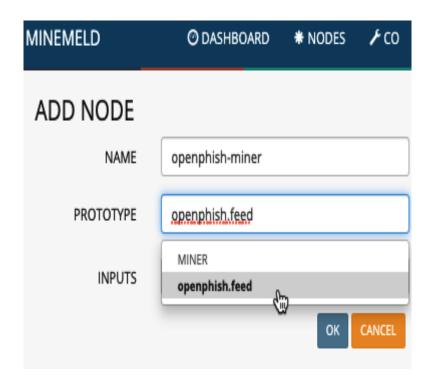


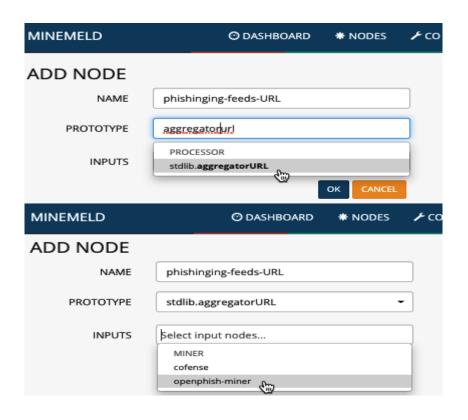


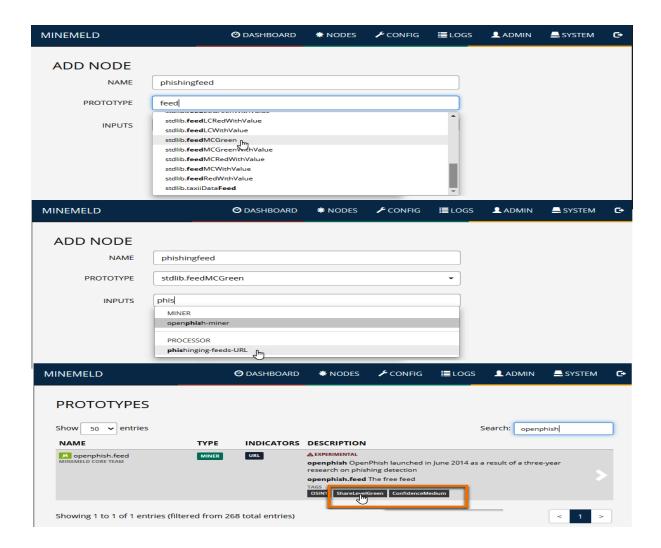


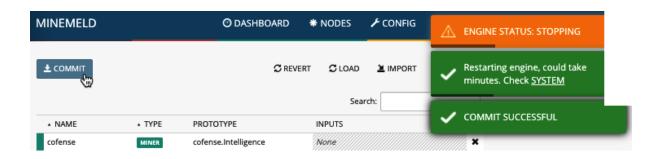


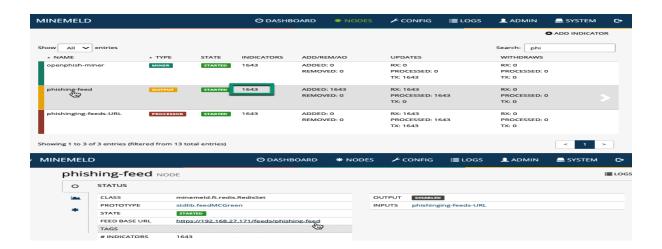


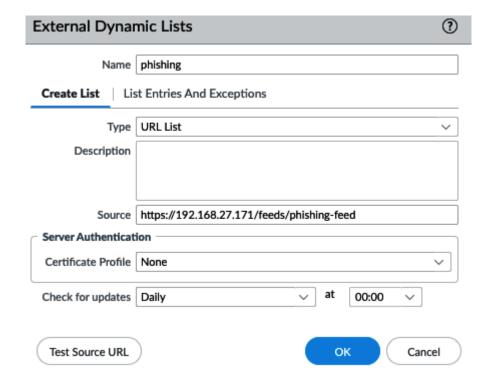




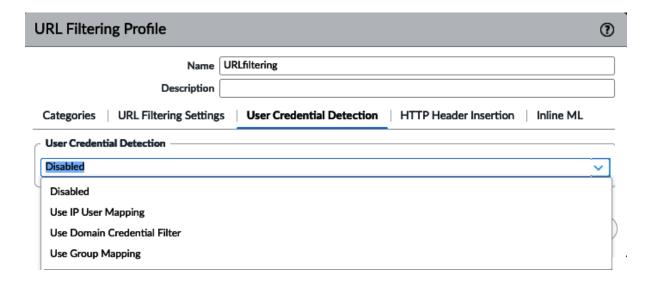


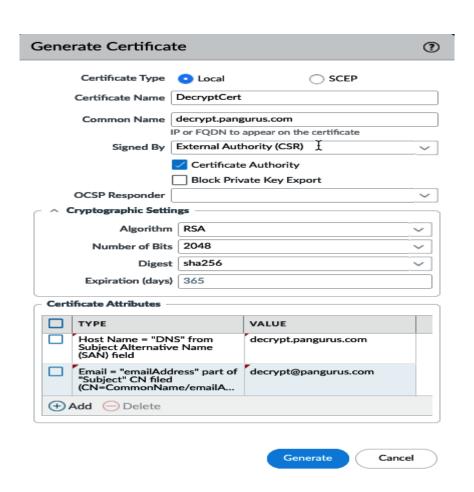


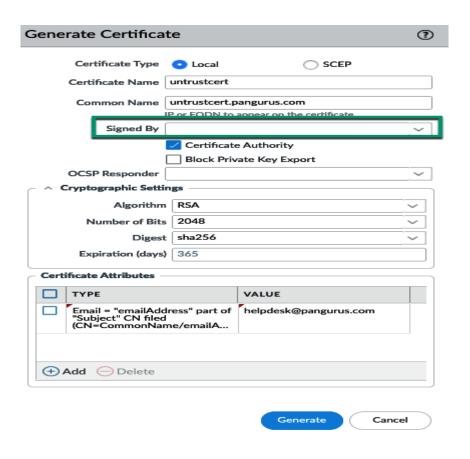


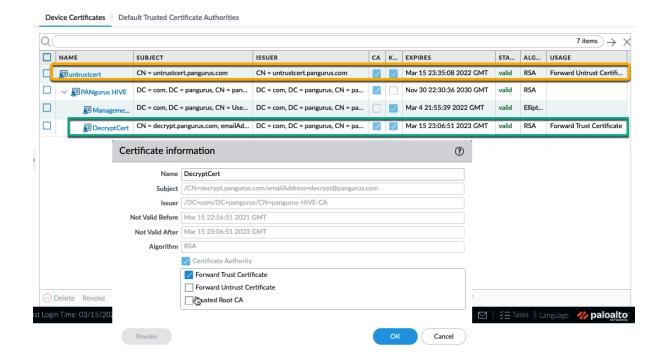


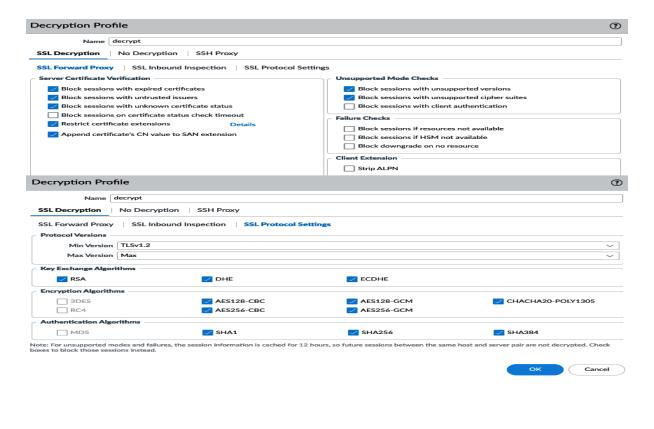
Chapter 6: Anti-Phishing with User Credential Detection

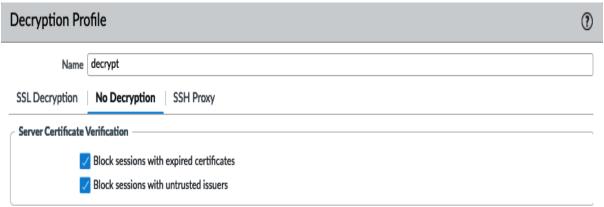






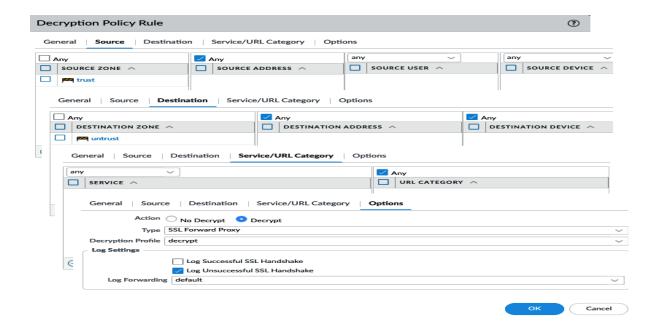






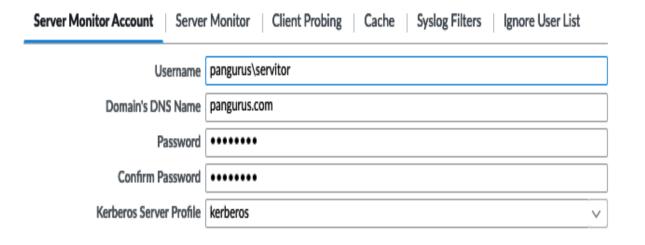
Note: For unsupported modes and failures, the session information is cached for 12 hours, so future sessions between the same host and server pair are not decrypted. Check boxes to block those sessions instead.





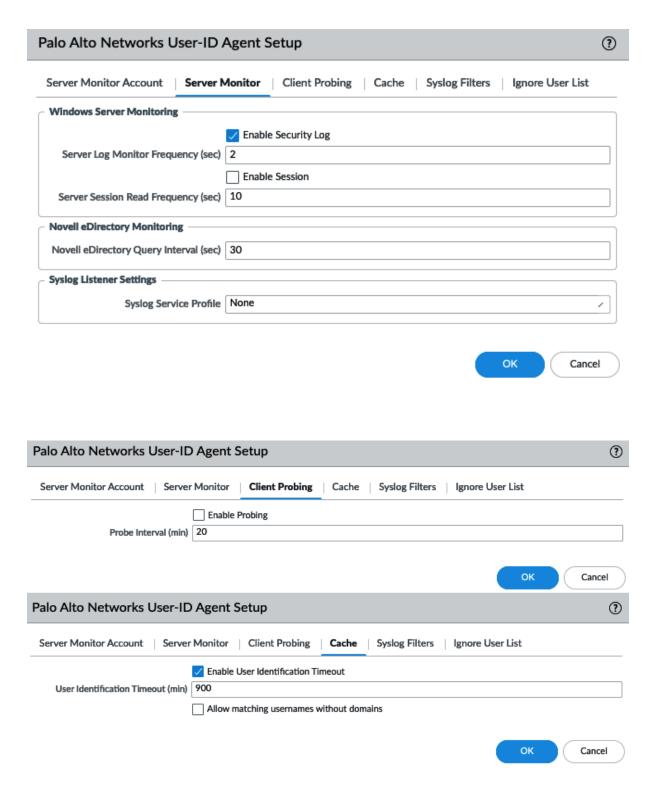
Palo Alto Networks User-ID Agent Setup

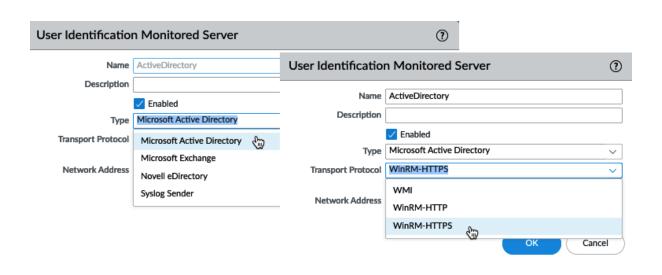


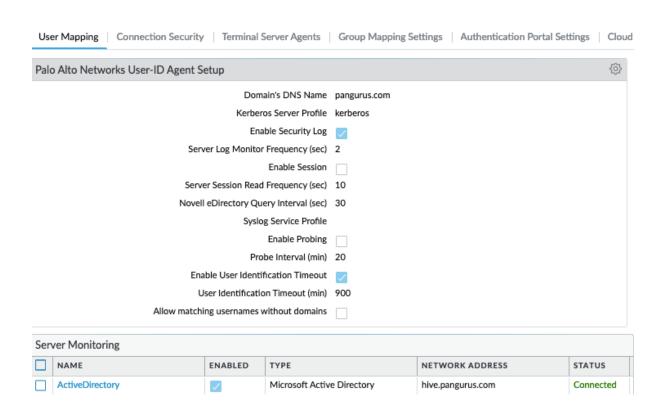


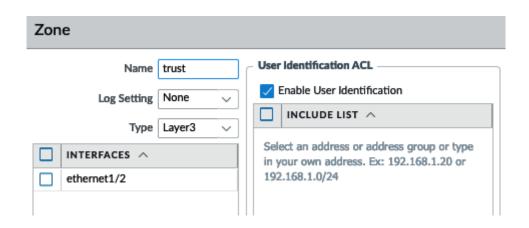
OK Cancel

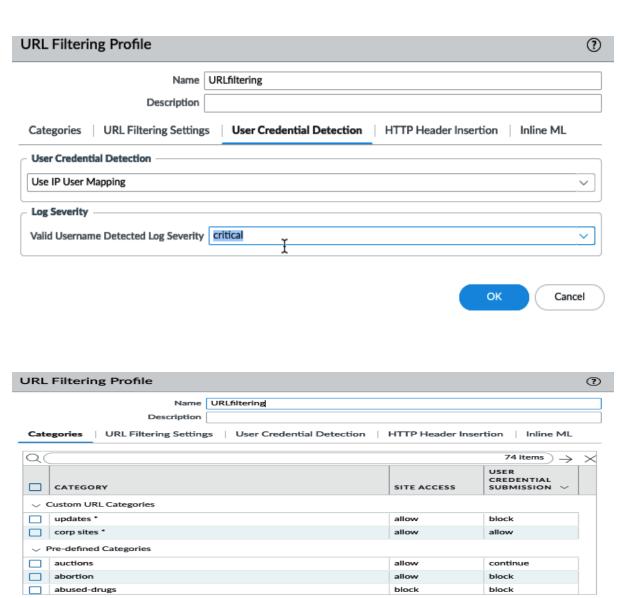
•







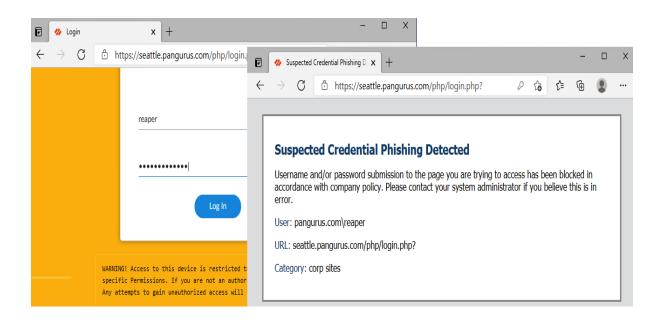


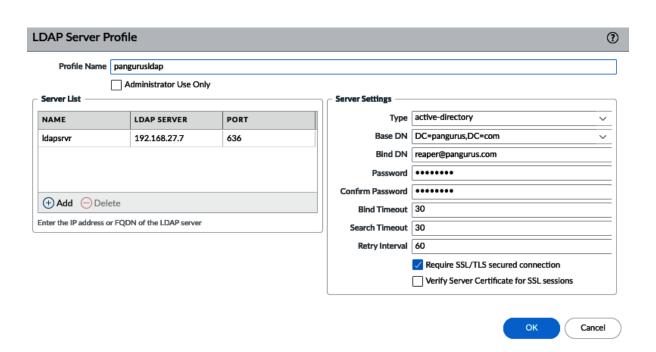


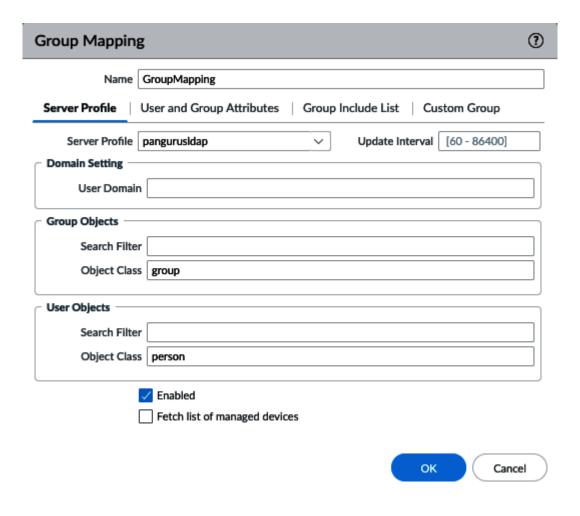
* indicates a custom URL category, + indicates external dynamic list Check URL Category

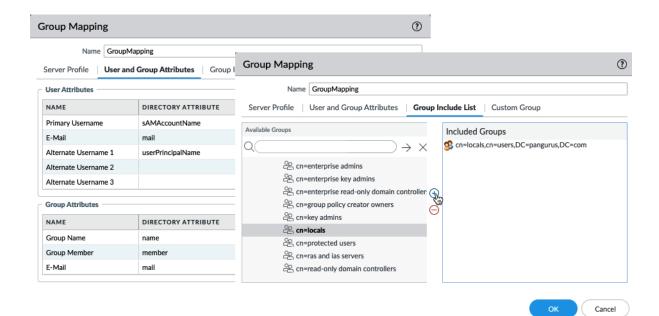


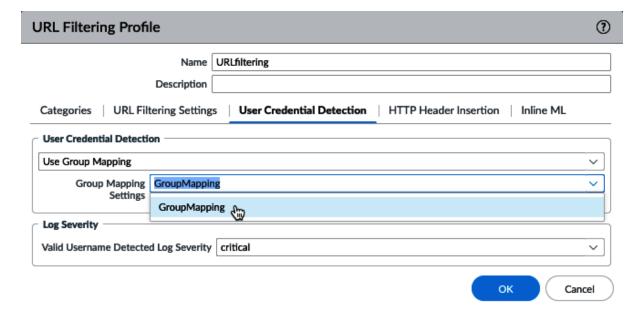


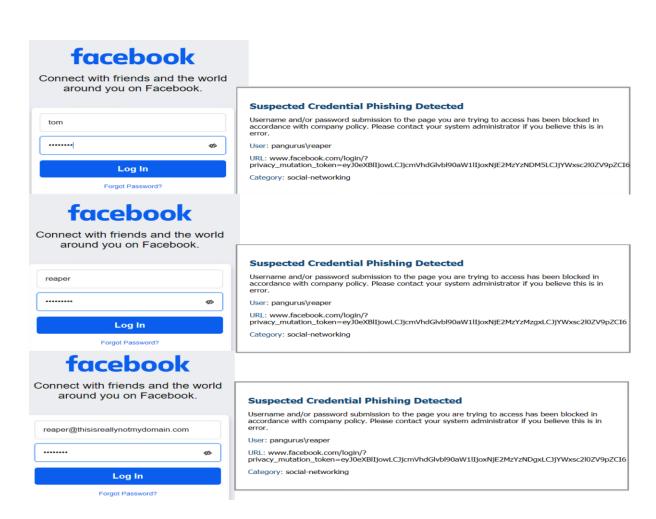


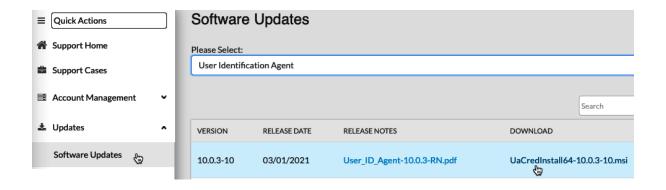


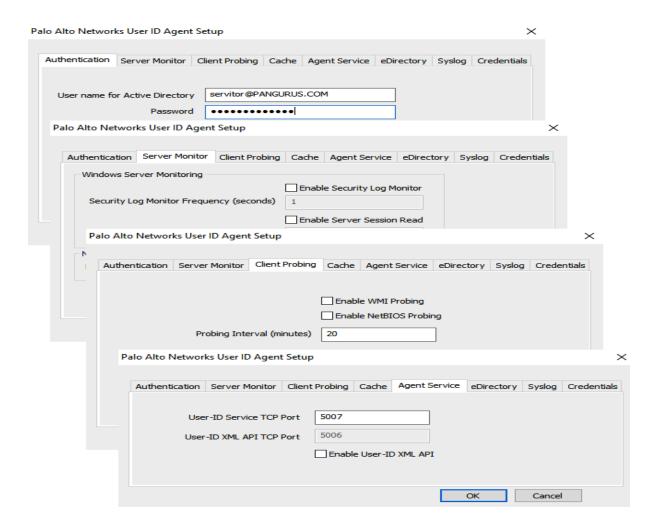


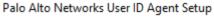


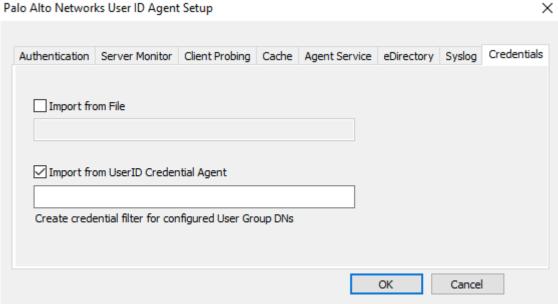


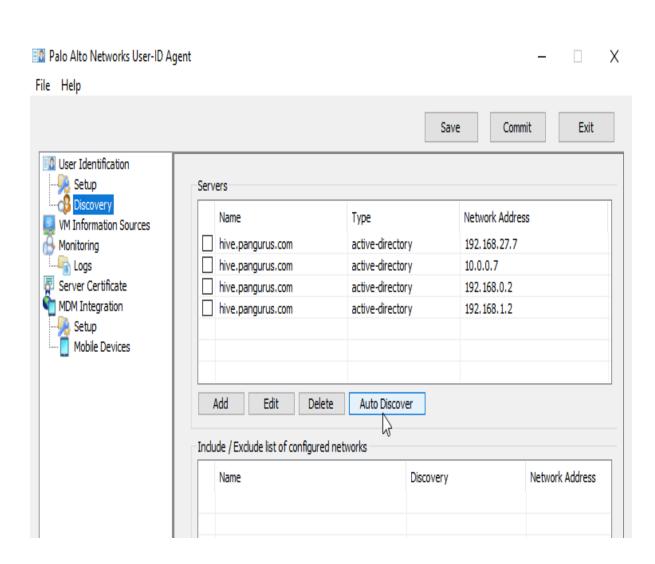


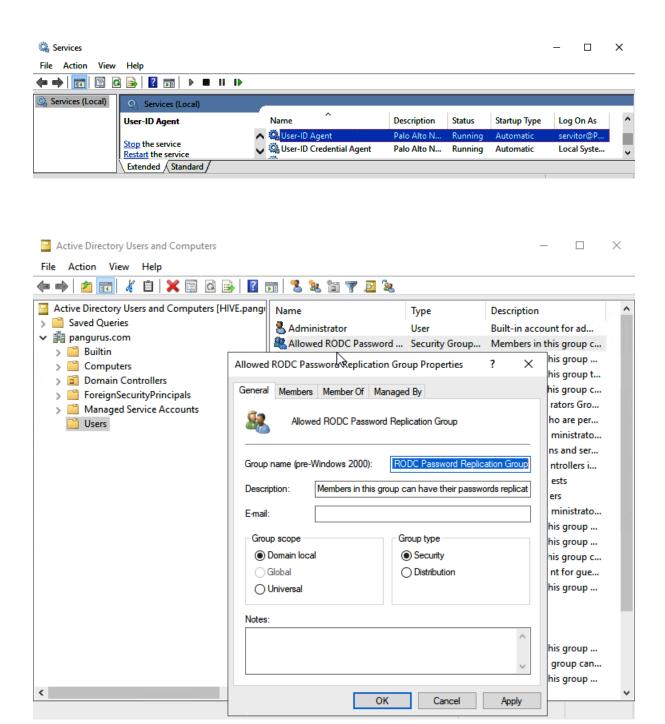


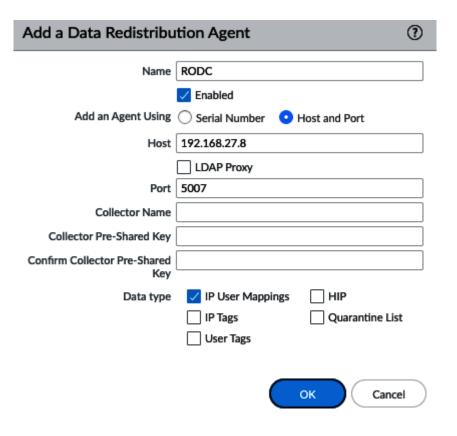


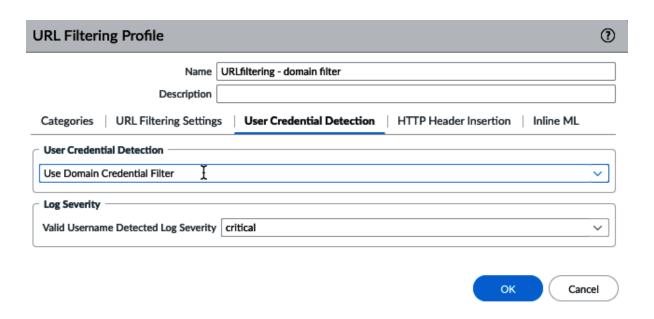


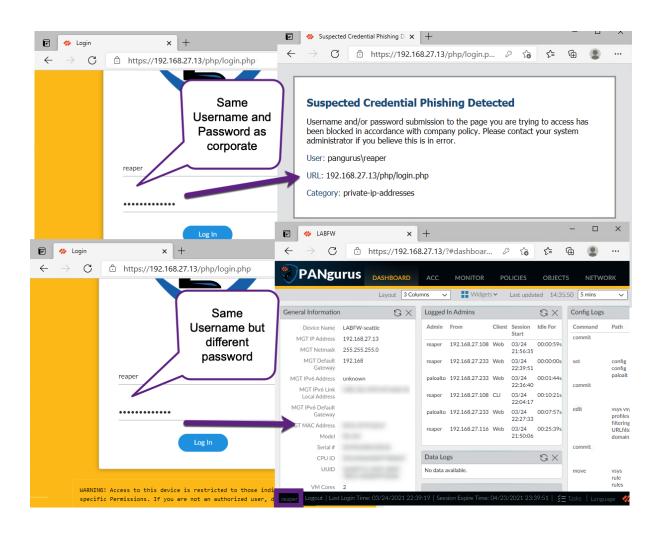


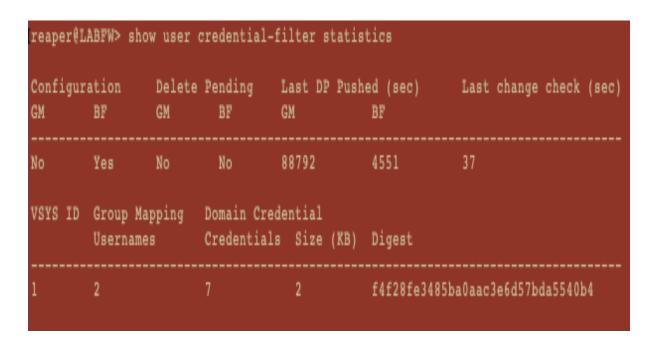












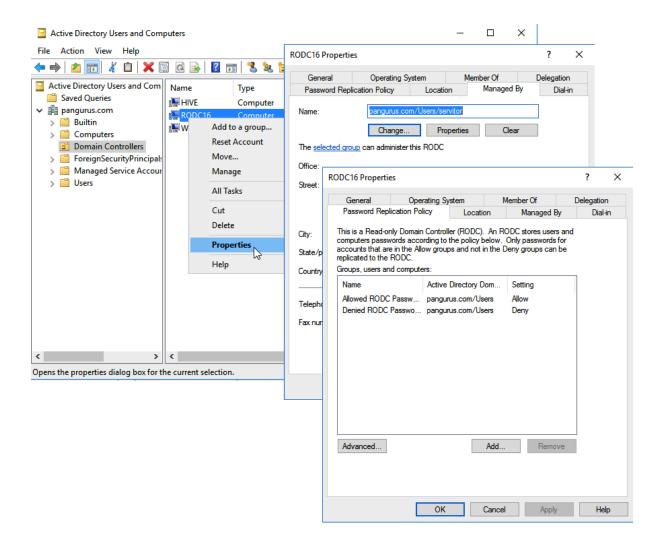
```
Agent: RODC(vsys: vsys!) Host: 192.168.27.9(192.168.27.9):5007

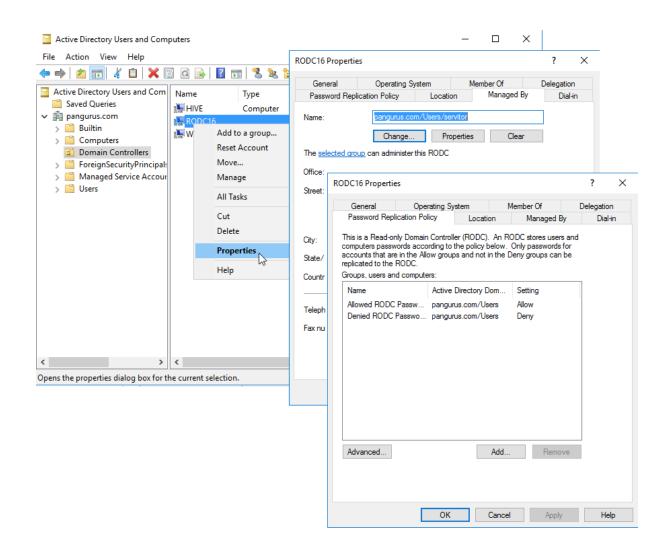
Status

Station

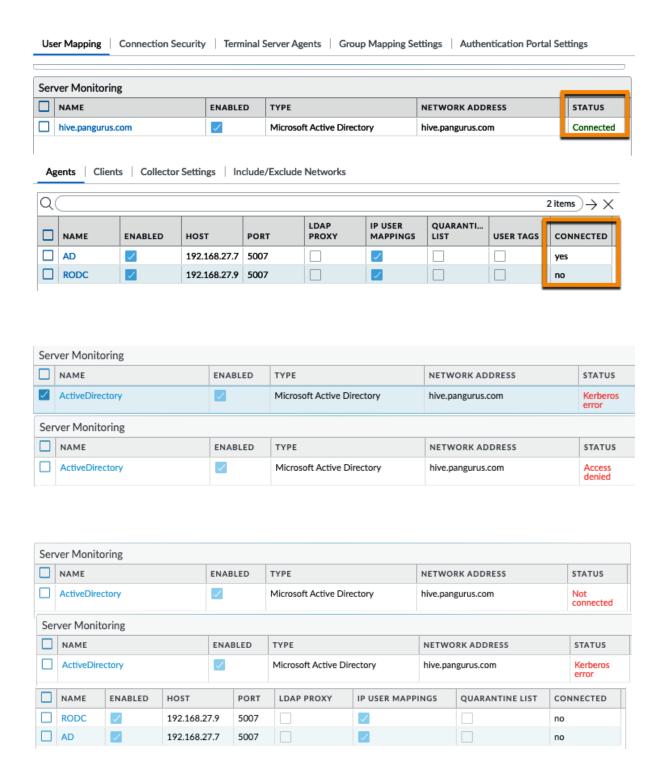
State config
num of connection tried
num of connection succeeded
num of connection failed
num of connection failed
num of status msgs rovd
num of request of status msgs sent
num of request of ip mapping msgs sent
num of request of all ip mapping msgs sent
num of request of all ip mapping msgs sent
num of request of all ip mapping msgs sent
num of request of all ip mapping msgs sent
num of request of all ip mapping msgs sent
num of user ip mapping adel entries rovd
num of user ip mapping adel entries rovd

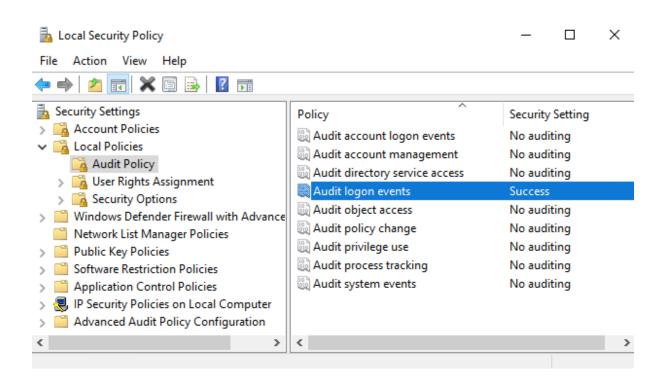
num of bloomfilter requests sent
num of bloomfilter response received
num of bloomfilter response failed to proc
num of bloomfilter response received
num of bloomfilter resp
```

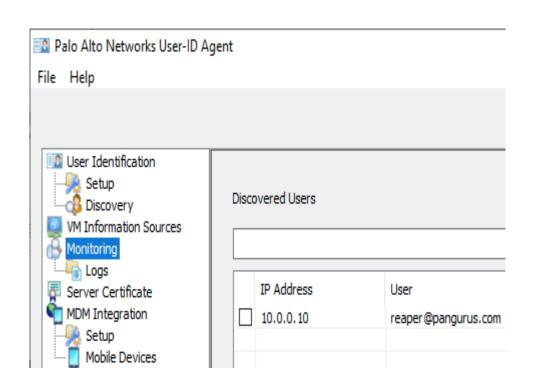


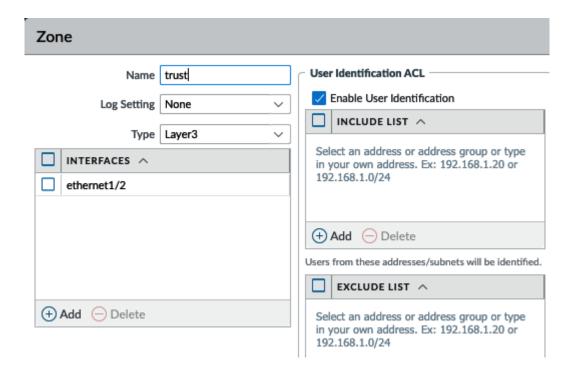


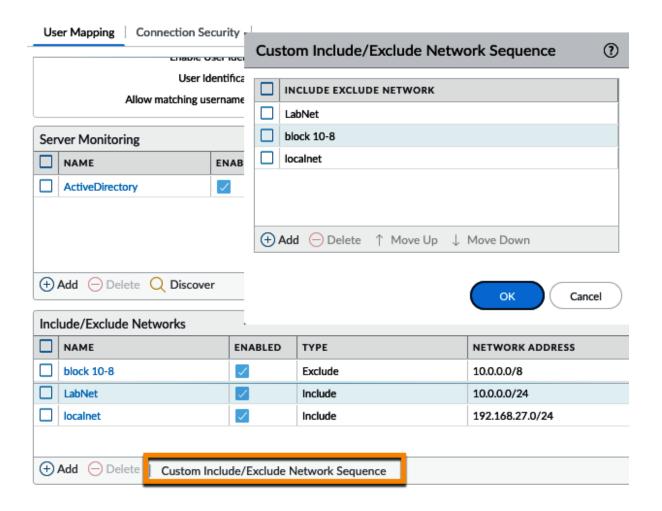
Chapter 7: Practical Troubleshooting

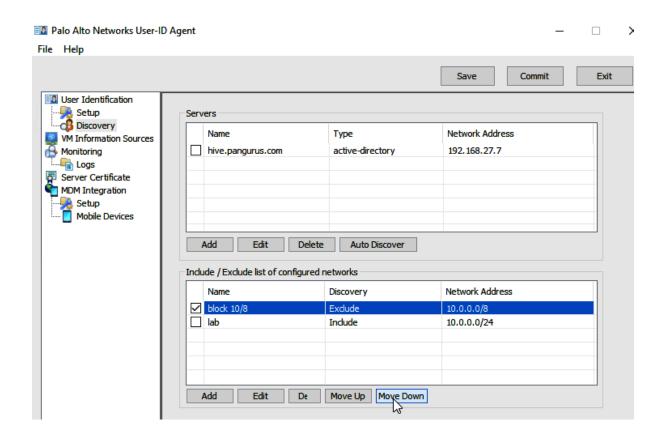


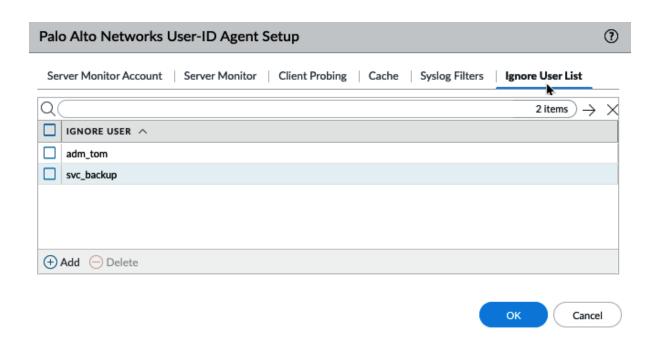


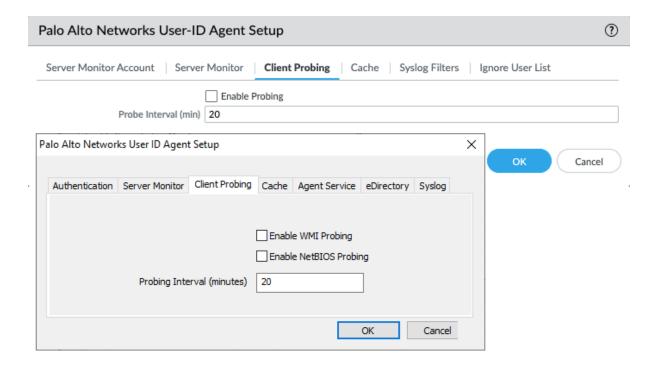


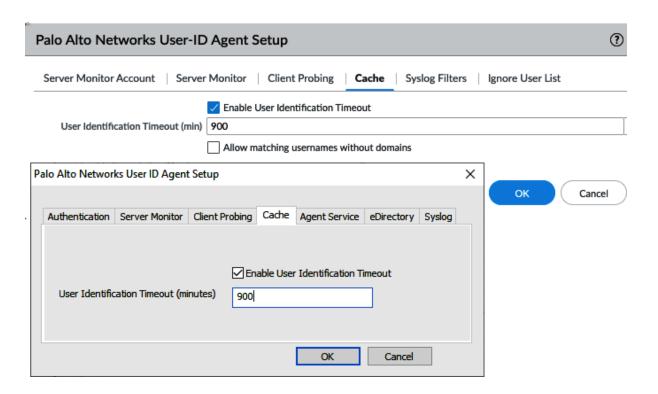


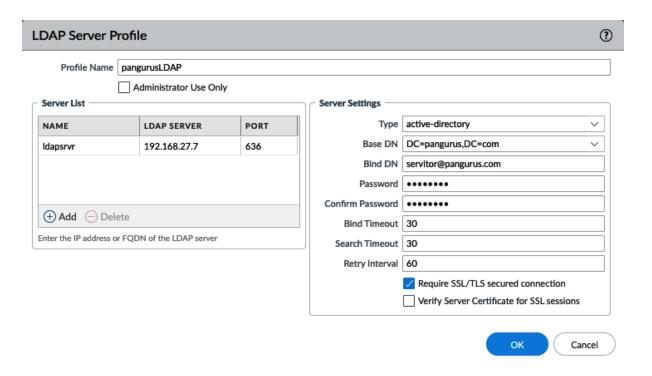


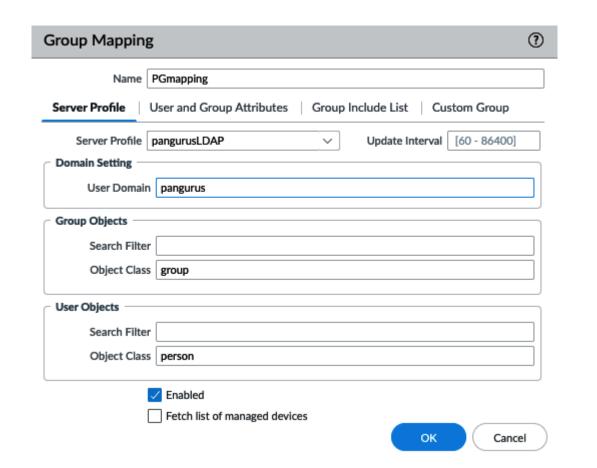




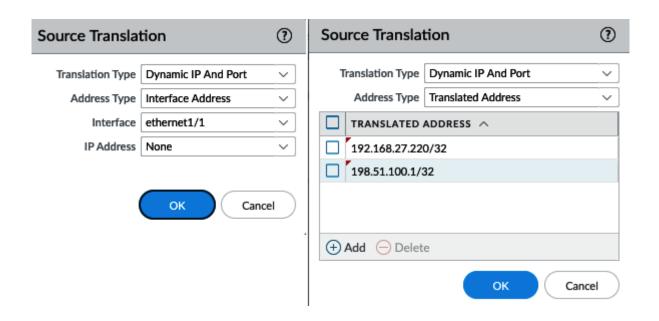




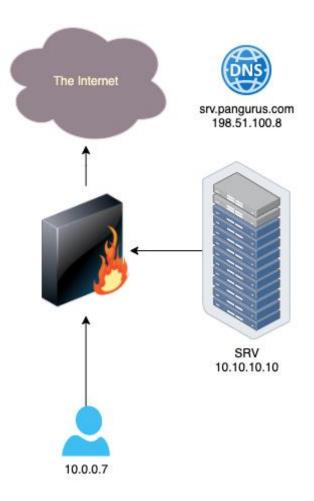


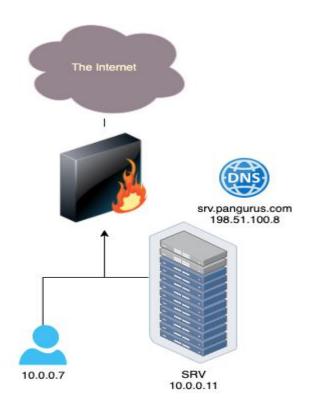


			Translated Packet						
NAME	SOURCE ZONE	DESTINATION ZONE	DESTINATION INTERFACE	SOURCE ADDRESS			SOURCE TRANSLATION	DESTINATION TRANSLATION	
hide-nat	rust trust	untrust	ethernet1/1	any any		any	dynamic-ip-and-port	none	
	 lab						ethernet1/1		
inbound 1	untrust	untrust	ethernet1/1	any	<u>_</u> 192.168.27.220	any	none	destination-translation	
								address: 10.0.0.7	
inbound static NAT	untrust	untrust	ethernet1/1	any	198.51.100.1	any	none	destination-translation	
								address: 10.0.0.7	



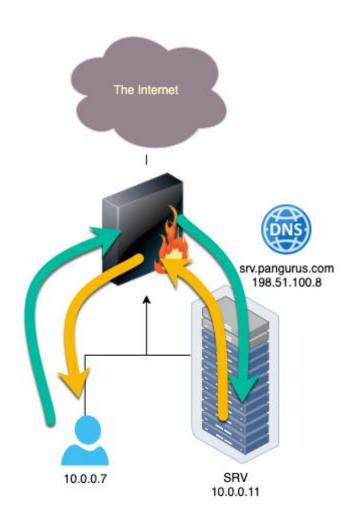
				Translated Packet						
	NAME	SOURCE ZONE DESTINATION		DESTINATION SOURCE INTERFACE ADDRESS		DESTINATION ADDRESS	SERVICE	SOURCE TRANSLATION	DESTINATION TRANSLATION	
1	hide-nat	w trust	untrust	ethernet1/1	any	any	any	dynamic-ip-and-port	none	
		// lab			_			ethernet1/1		
2	inbound static NAT	untrust untrust	untrust	ethernet1/1	any	198.51.100.7/24	any	none	destination-translation	
									address: 10.0.0.7/24	

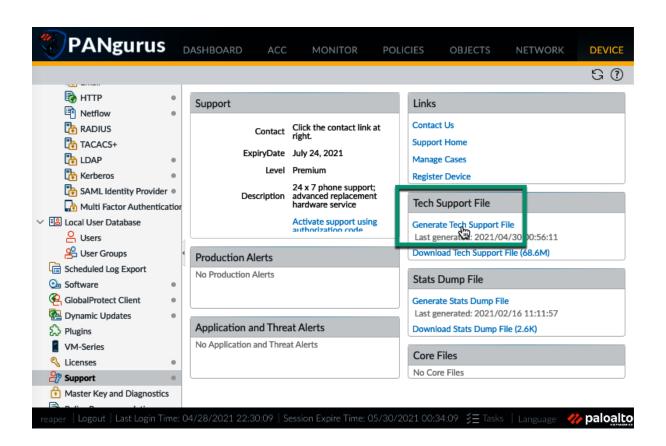


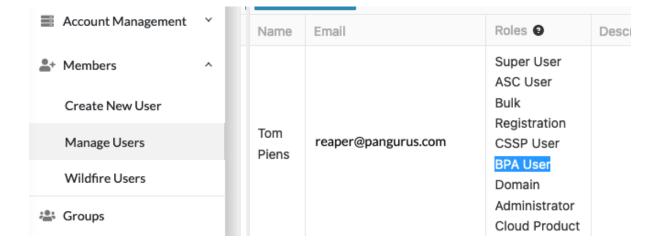


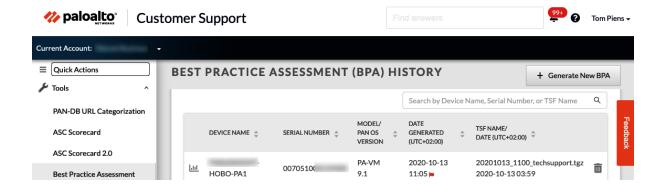


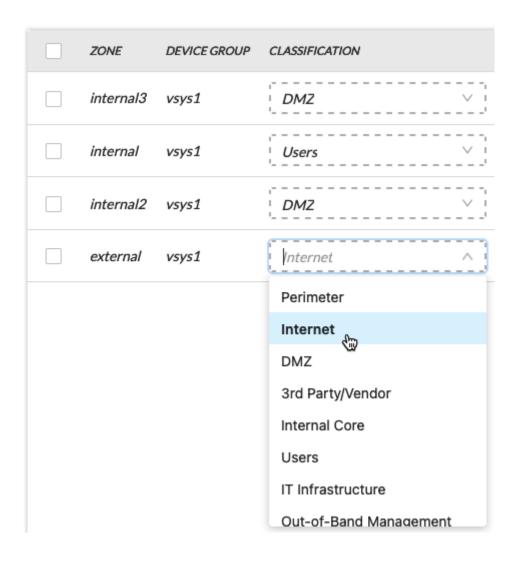
File	Edit	View Go	Capture	Analyze	Statistics	Telepho	ny	Wireless	Too	ls He	p				
			X	۹ 👄 🤿	≌ 🕡	<u> </u>		⊕	Q 📱	<u> </u>					
Apply a display filter <ctrl-></ctrl->															
No.	Time	Source	D	estination	Pro	otocol Le	ngth	Info							
1	0.0	10.0.0.7	1	.98.51.100	.8 TC	P	66	53455	→ 23	[SYN,	ECN,	CWR]	Seq=0	Win=642	40 Len=
2	0.0	10.0.0.7	1	0.0.0.11	TC	P	66	53455	→ 23	[SYN,	ECN,	CWR]	Seq=0	Win=642	40 Len=
3	0.0	10.0.0.11	1	0.0.0.7	TC	P	60	23 → 5	3455	[RST,	ACK]	Seq=1	L Ack=1	Win=0	Len=0
4	3.0	10.0.0.7	1	98.51.100	.8 TC		66	[TCP R	etran	smiss	ion] :	3455	→ 23 [SYN, EC	N, CWR
5	3.0	10.0.0.7	1	0.0.0.11	TC	P	66	[TCP R	etran	smiss	ion] :	3455	→ 23 [SYN, EC	N, CWR
6	3.0	10.0.0.11	1	0.0.0.7	TC	P	60	23 → 5	3455	[RST,	ACK]	Seq=1	L Ack=1	Win=0	Len=0











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Capability & Control Category

Class Summary

Control Category Summary

Access Control

63%

Risk Assessment

50%

Contingency Planning

29%

Audit and Accountability

53%

Configuration Management

60%

Performance

80%

System and Information Integrity

46%

