



PALO ALTO NETWORKS EDU 210

Lab 2: Working with Firewall Configurations and Log Files

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Introduction

Now that you have set up the firewall to allow management access, you need to make certain that you can save, load, and restore configurations to the device. You also need to familiarize yourself with the log files available and with searching through the logs to find specific events.

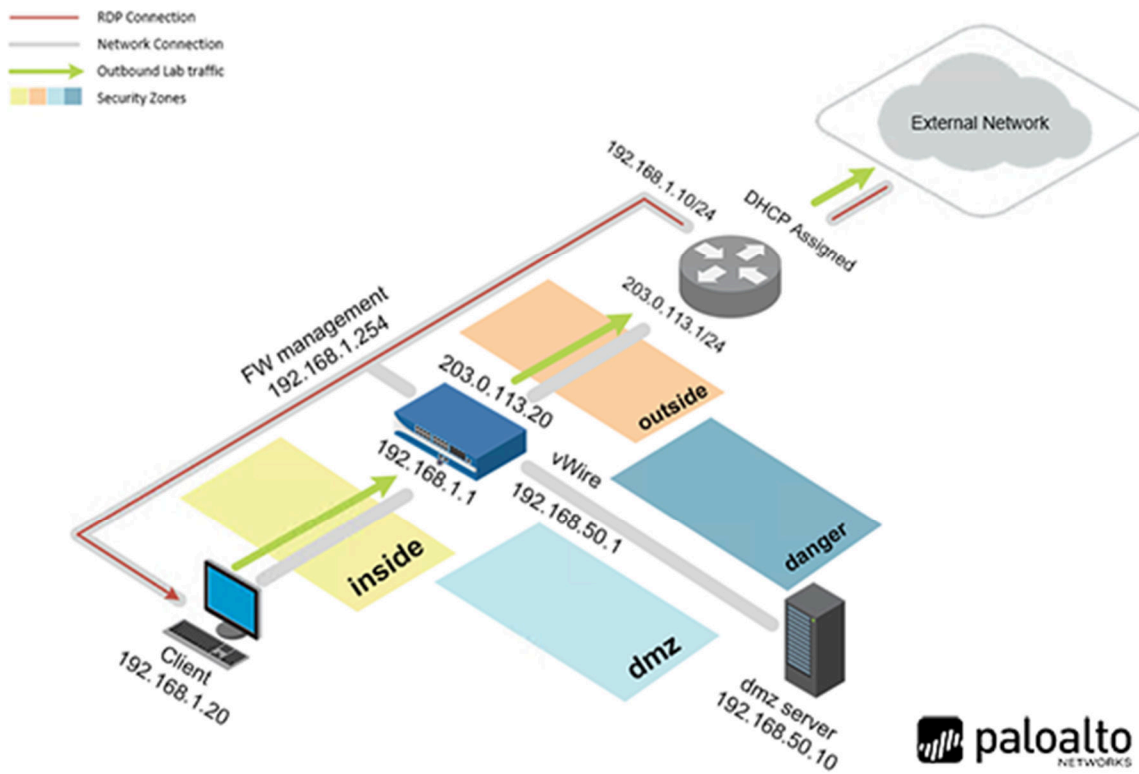
In this lab, you will work with snapshots, revert and preview configuration changes, examine log files, and create and use the filter builder.

Objective

In this lab, you will perform the following tasks:

- Load a starting lab configuration
- Save a named configuration snapshot
- Export a named configuration snapshot
- Save ongoing configuration changes before a commit
- Revert ongoing configuration changes
- Preview configuration changes
- Examine log files
- Create a log file filter
- Use the Filter Builder

Lab Topology



Lab Settings

The information in the table below will be needed to complete the lab. The task sections below provide details on the use of this information.

Virtual Machine	IP Address	Account (if needed)	Password (if needed)
Client	192.168.1.20	lab-user	Pa10Alt0!
DMZ	192.168.50.10	root	Pa10Alt0!
Firewall	192.168.1.254	admin	Pa10Alt0!
VRouter	192.168.1.10	root	Pa10Alt0!

1 Working with Firewall Configurations and Log Files

1.1 Apply a Baseline Configuration to the Firewall

In this section, you will load the firewall configuration file.

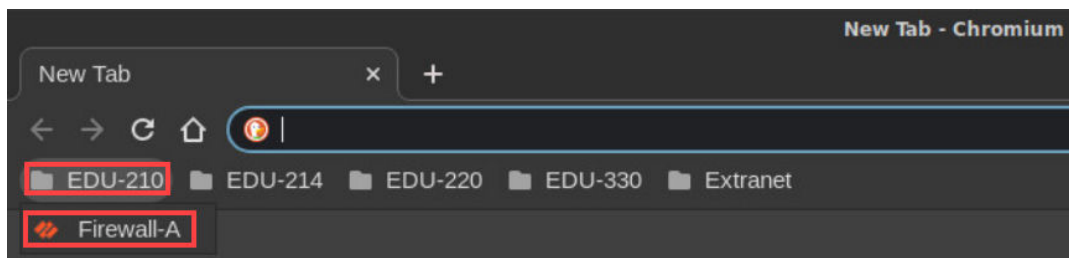
1. Click on the **Client** tab to access the Client PC.



2. Double-click the **Chromium Web Browser** icon located on the desktop.



3. In the *Chromium* web browser, click on the **EDU-210** bookmark folder in the bookmarks bar and then click on **Firewall-A**.



4. You will see a "Your connection is not private" message. Next, click on the **ADVANCED** link.



Your connection is not private

Attackers might be trying to steal your information from **192.168.1.254** (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_AUTHORITY_INVALID

Advanced

Back to safety



If you experience the "Unable to connect" or "502 Bad Gateway" message while attempting to connect to the specified IP above, please wait an additional 1-3 minutes for the Firewall to fully initialize. Refresh the page to continue.

- Click on **Proceed to 192.168.1.254 (unsafe)**.



Your connection is not private

Attackers might be trying to steal your information from **192.168.1.254** (for example, passwords, messages, or credit cards). [Learn more](#)

NET::ERR_CERT_AUTHORITY_INVALID

Hide advanced

Back to safety

This server could not prove that it is **192.168.1.254**; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection.

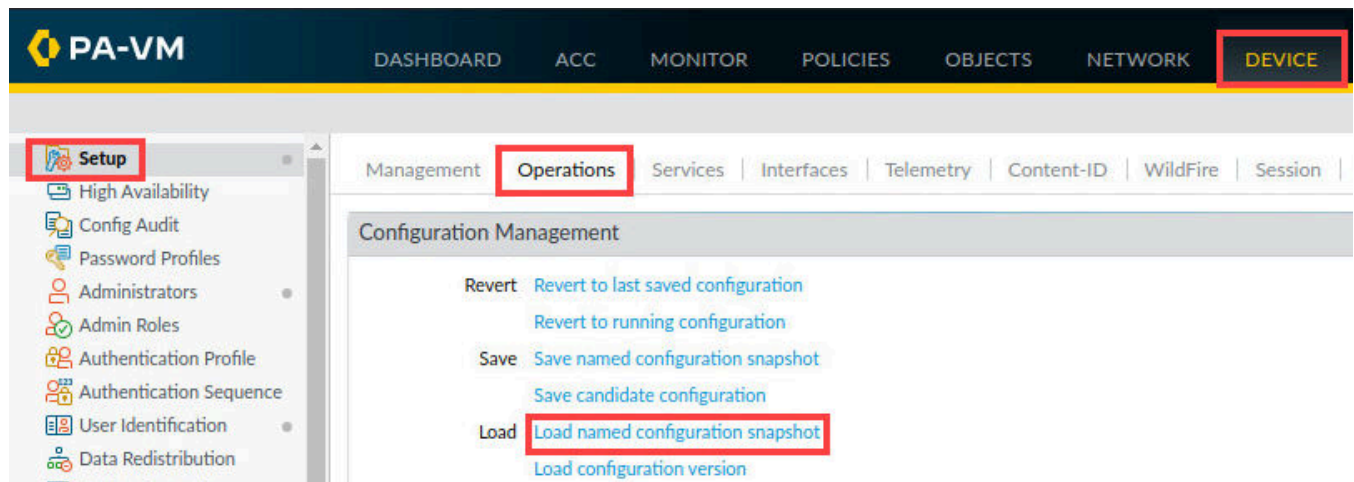
[Proceed to 192.168.1.254 \(unsafe\)](#)

- Log in to the firewall web interface as username **admin**, password **Pa10Alt0!**.



The image shows the Palo Alto Networks login page. It features the Palo Alto Networks logo at the top. Below the logo, there is a username field containing the text "admin" and a password field filled with dots. A blue "Log In" button is positioned below the password field. The entire login form is enclosed in a yellow rectangular border.

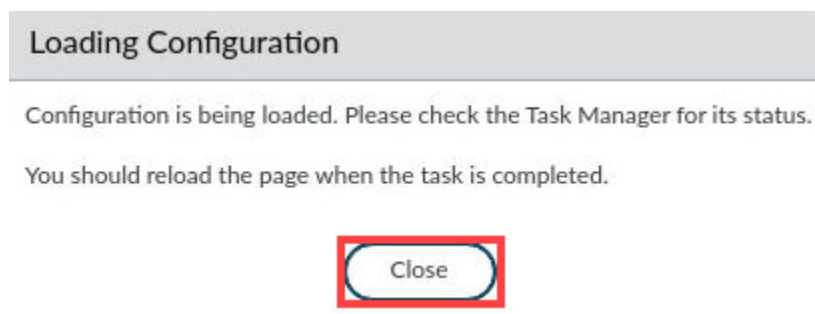
7. In the web interface, navigate to **Device > Setup > Operations** and click on **Load** named **configuration snapshot** underneath the *Configuration Management* section.



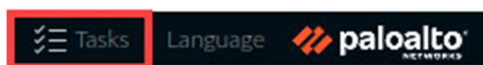
8. In the *Load Named Configuration* window, select **edu-210-lab-02.xml** from the *Name* dropdown box and click **OK**.



9. In the *Loading Configuration* window, a message will show *Configuration is being loaded*. Please check the *Task Manager* for its status. You should reload the page when the task is completed. Click **Close** to continue.



10. Click the **Tasks** icon located at the bottom-right of the web interface.



11. In the *Task Manager – All Tasks* window, verify the *Load* type has successfully completed. Click **Close**.

Task Manager - All Tasks

8 items

TYPE	STATUS	START TIME	MESSAGES	ACTION
Download	Completed	08/05/21 00:03:04		
Load	Completed	08/05/21 00:01:59		
EDLRefresh	Completed	08/04/21 23:58:15		
EDLFetch	Completed	08/04/21 23:58:14		
Download	Completed	08/04/21 23:58:04		
Download	Completed	08/04/21 23:54:04		
EDLFetch	Completed	08/04/21 23:53:13		
Auto Commit	Completed	08/04/21 23:52:45		

Show All Tasks Clear Commit Queue

Close

12. Click the **Commit** link located at the top-right of the web interface.



13. In the *Commit* window, click **Commit** to proceed with committing the changes.

Commit

Only a full commit is available at the current time. You may preview changes or validate the configuration or add a description to the commit.

COMMIT SCOPE	LOCATION TYPE
Commit Scope is unavailable when a full commit is required	

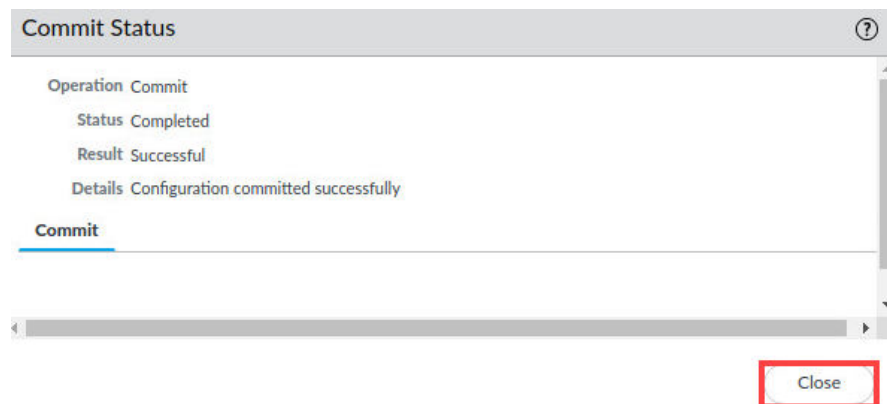
[Preview Changes](#)
[Change Summary](#)
[Validate Commit](#)
☒ Group By Location Type

Note: This shows all the changes in login admin's accessible domain.

Description

Commit Cancel

14. When the *Commit* operation successfully completes, click **Close** to continue.



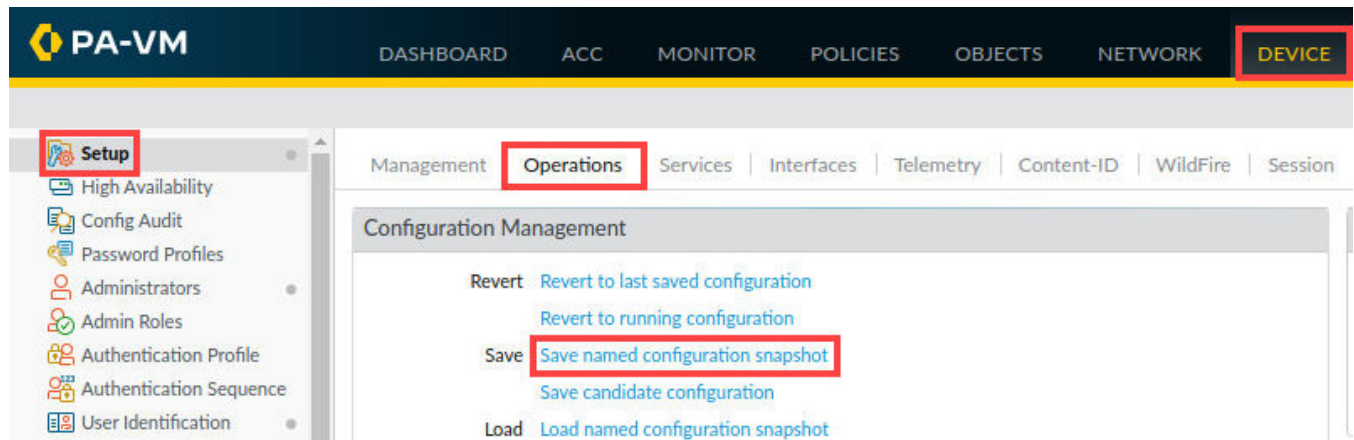
The commit process takes changes made to the Firewall and copies them to the running configuration, which will activate all configuration changes since the last commit.

16. Leave the *Palo Alto Networks Firewall* open and continue to the next task.

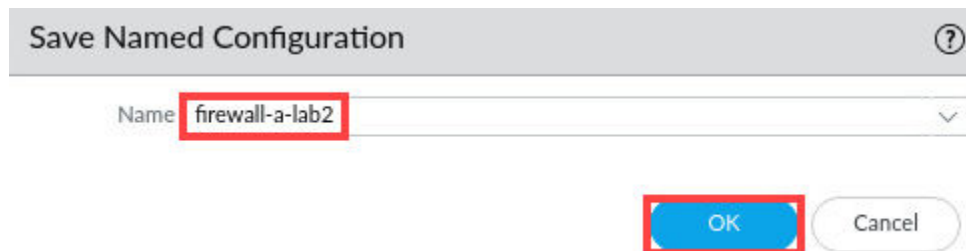
1.2 Save a Named Configuration Snapshot

In this section, you will save the firewall configuration with a specific filename.

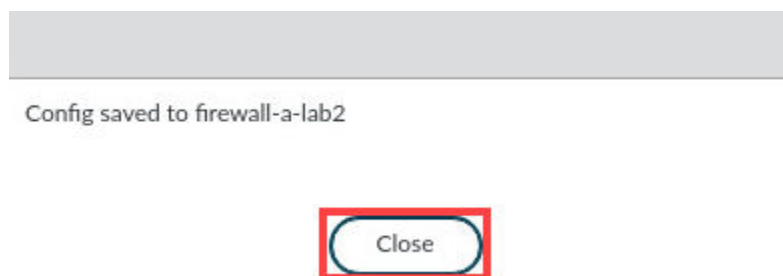
1. In the web interface, select **Device > Setup > Operations**. Click **Save named configuration snapshot**.



2. In the *Save Named Configuration* window, enter **firewall-a-lab2**. Click **OK**.



3. In the *Confirmation* window, click **Close**.



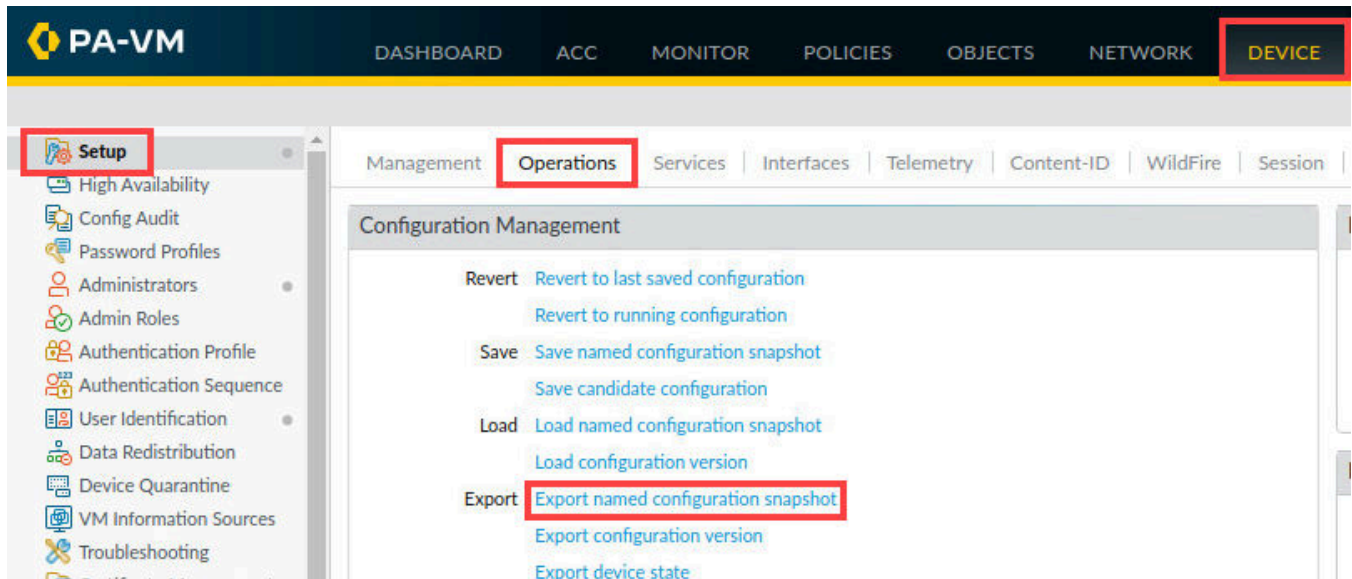
Note that this process saved the configuration file to a location on the firewall itself.

4. Leave the *Palo Alto Networks Firewall* open and continue to the next task.

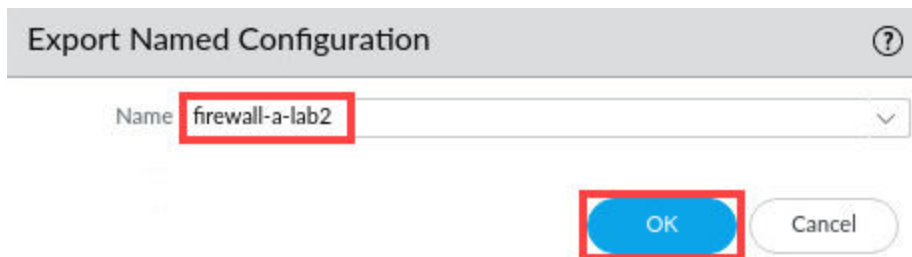
1.3 Export a Named Configuration Snapshot

In this section, you will export the saved configuration file firewall-a-lab2 from the firewall to your workstation.

1. Under **Device > Setup > Operations > Configuration Management**, click the link for **Export named configuration snapshot**.



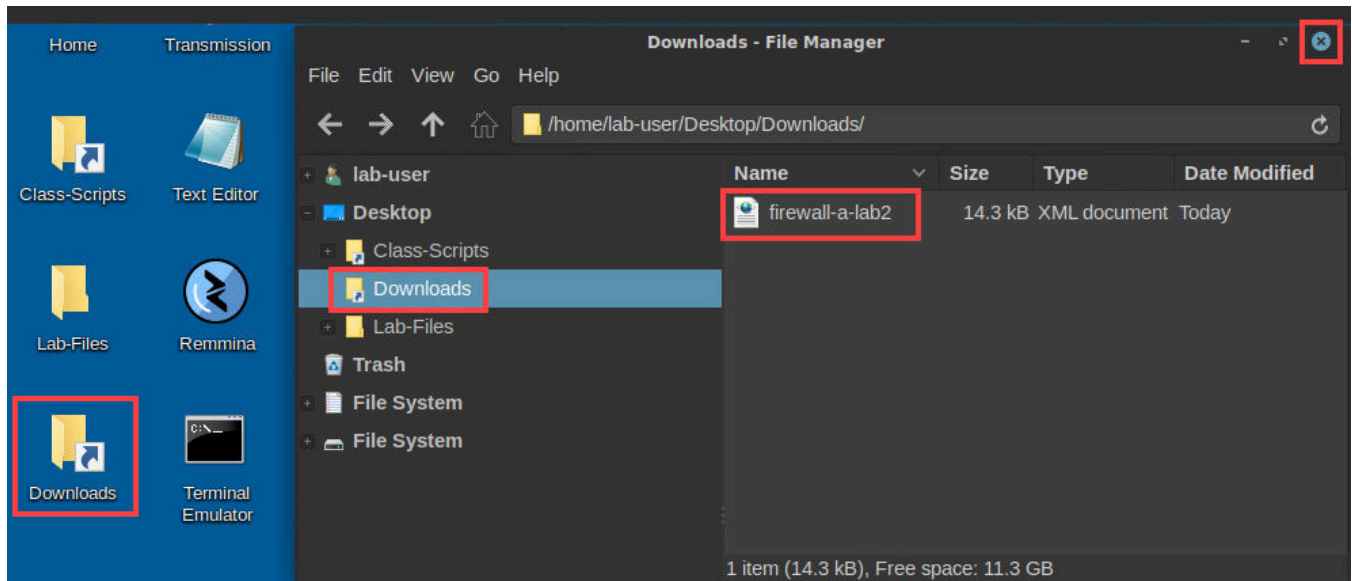
2. In the *Export Named Configuration* window, use the dropdown list and select the **firewall-a-lab2** configuration file. Click **OK**.



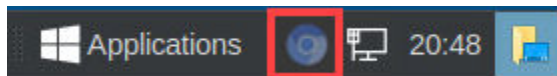
3. On the client taskbar, click the **Minimize all open windows and show the desktop** icon.



- On the *client desktop*, open the **Downloads** folder. Verify the saved file **firewall-a-lab2** appears in the folder. Close the *Downloads* folder by clicking the **X** icon.



- Reopen the firewall web interface by clicking on the **Chromium** icon in the taskbar.



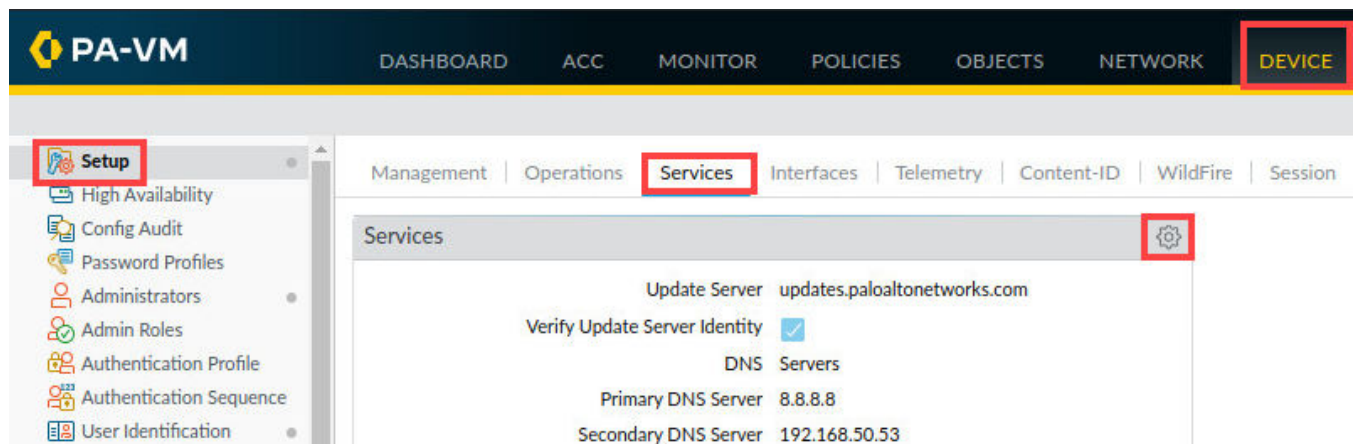
- Leave the *Palo Alto Networks Firewall* open and continue to the next task.

1.4 Revert Ongoing Configuration Changes

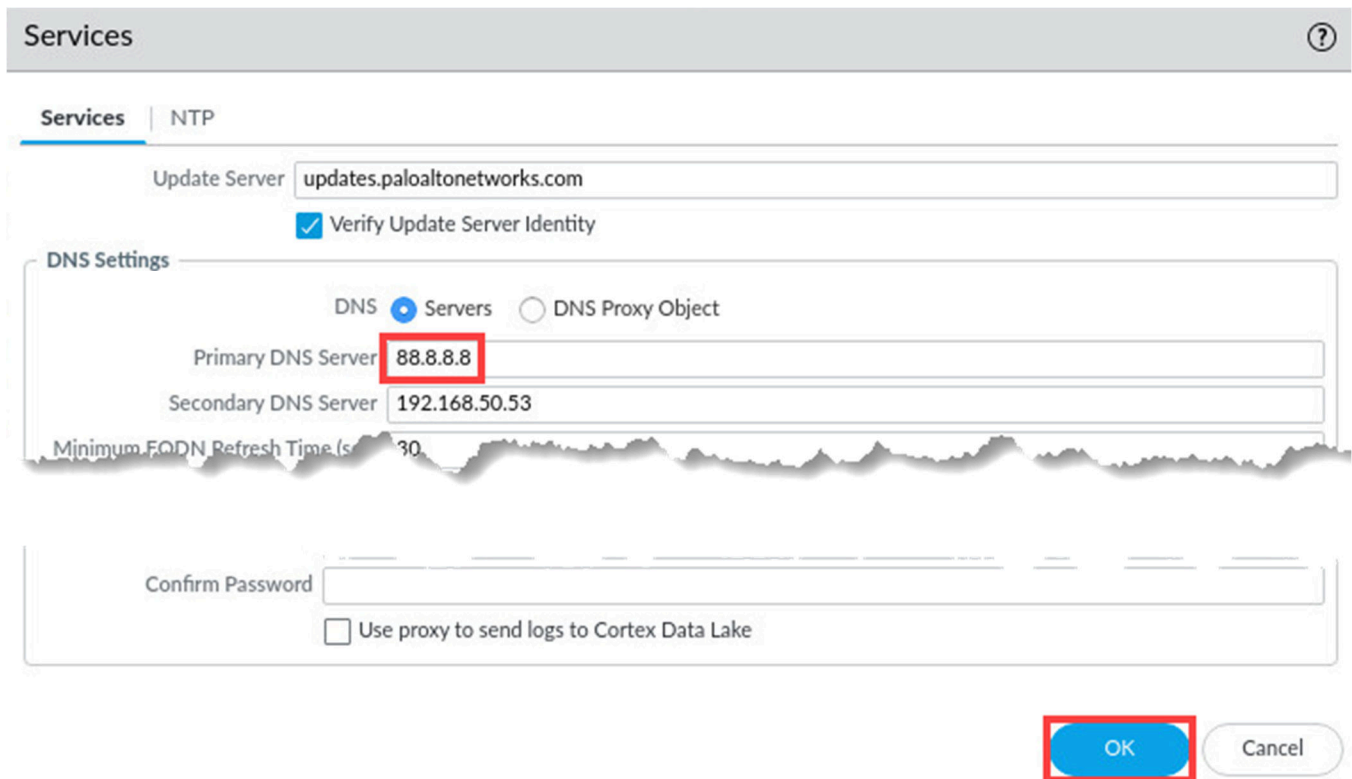
As you work on a firewall configuration, it is theoretically possible to make a mistake. In such a situation, you may not remember exactly which changes you have made or where the mistake exists in the configuration, particularly if you have made multiple changes (or multiple mistakes). Fortunately, you can revert the firewall to the current running configuration. This process essentially erases any of the changes you had made to the working configuration and puts the firewall back at the starting point before you made changes.

In this section, you will change the IP address for one of the firewall's DNS servers. You will then use Revert Changes to reset the firewall to the running configuration and remove the mistake.

1. In the firewall web interface, select **Device > Setup > Services**. Edit the *Services* section by clicking the **Services** gear icon.

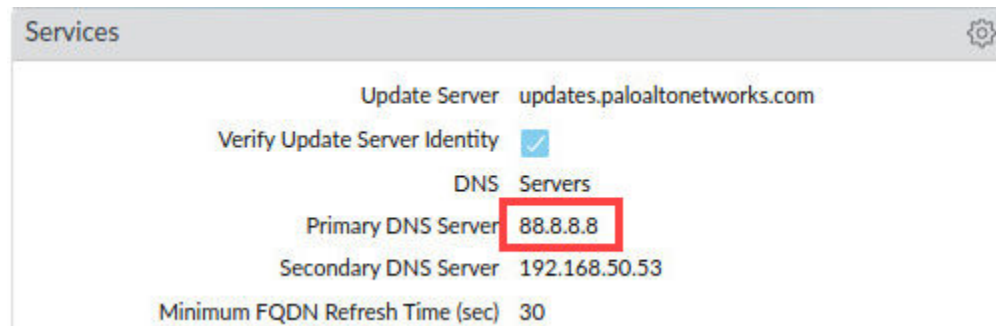


- In the *Services* window, change the value for the *Primary DNS Server* to **88.8.8.8** (an easy mistake to make). Click **OK**.



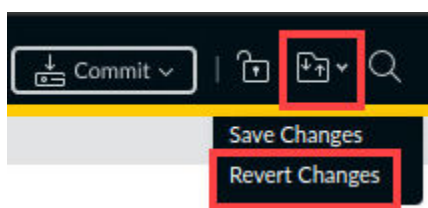
The screenshot shows the **Services** configuration window. The **Update Server** field is set to `updates.paloaltonetworks.com`. The **Verify Update Server Identity** checkbox is checked. Under **DNS Settings**, the **DNS** radio button is selected, and the **Primary DNS Server** field is highlighted with a red box and contains the value `88.8.8.8`. The **Secondary DNS Server** field contains `192.168.50.53`. The **Minimum FQDN Refresh Time (sec)** is set to `30`. At the bottom, there is a **Confirm Password** field and a checkbox for **Use proxy to send logs to Cortex Data Lake**. The **OK** button is highlighted with a red box.

- Verify the mistake is showing in the *Services* window for the **Primary DNS Server**.



The screenshot shows the **Services** configuration window. The **Update Server** field is set to `updates.paloaltonetworks.com`. The **Verify Update Server Identity** checkbox is checked. Under **DNS**, the **Servers** radio button is selected. The **Primary DNS Server** field is highlighted with a red box and contains the value `88.8.8.8`. The **Secondary DNS Server** field contains `192.168.50.53`. The **Minimum FQDN Refresh Time (sec)** is set to `30`.

- In the upper-right corner of the *PA-VM* web interface, click the **Changes** button and select **Revert Changes**.



The screenshot shows the **PA-VM** web interface. The **Commit** button is highlighted with a red box. Below it, the **Save Changes** and **Revert Changes** options are visible, with **Revert Changes** highlighted by a red box.

5. In the *Revert Changes* window, leave the settings unchanged. Click **Revert**.

Revert Changes

?

Changes will be reverted from candidate configuration.

☒ Revert All Changes
 ☐ Revert Changes Made By: (1) admin

REVERT SCOPE	LOCATION TYPE
device-and-network	

Preview Changes

Change Summary

☒ Group By Location Type

Revert

Cancel



The Revert Changes window allows you to select specific elements of the configuration that you can revert. In this case, because you only made a single change, the Revert Scope shows device-and-network (which is the portion of the configuration that contains the changes to the DNS server).

6. In the *Message* window, click **Close**.

Message

All changes were reverted from configuration

Close

7. In the *Services* window, notice that the **Primary DNS Server** has been reset to the original value before you mistakenly changed it.

Services

Update Server

updates.paloaltonetworks.com

Verify Update Server Identity

☒

DNS Servers

Primary DNS Server

8.8.8.8

Secondary DNS Server

192.168.50.53

Minimum FQDN Refresh Time (sec)

30

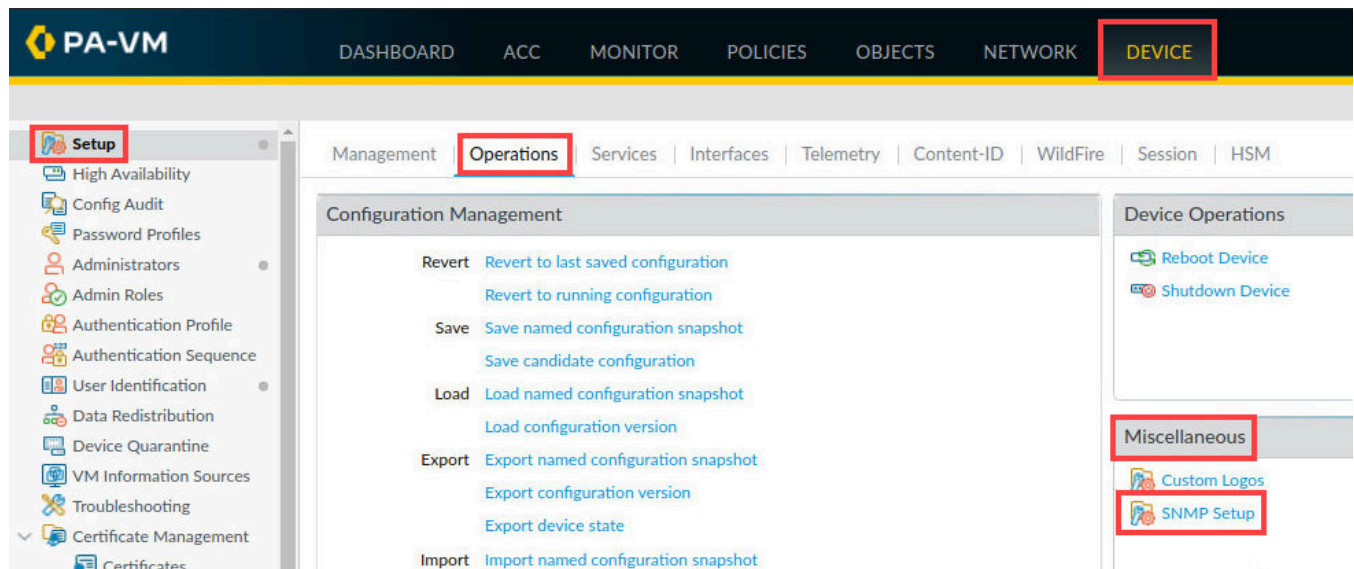
8. Leave the *Palo Alto Networks Firewall* open and continue to the next task.

1.5 Preview Configuration Changes

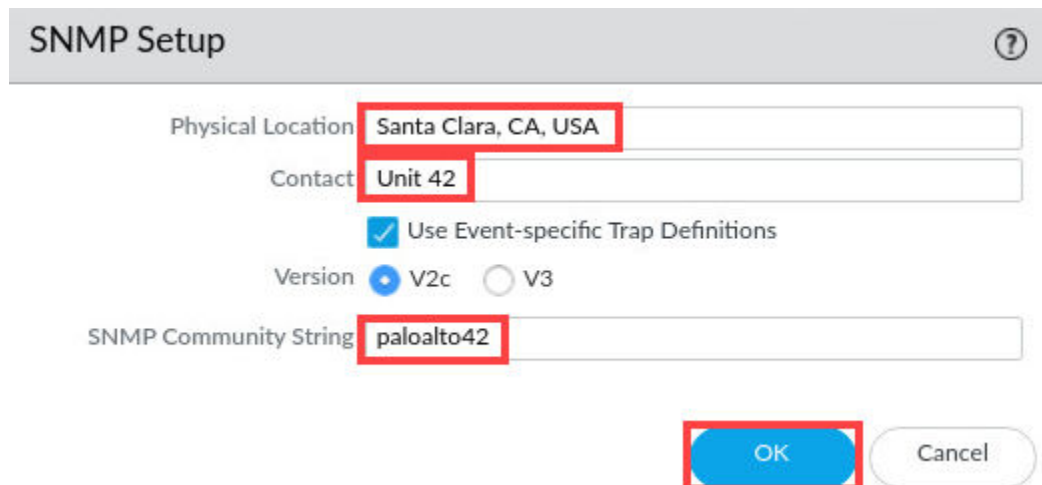
Before you commit changes to the firewall, you can compare the impending changes with the current configuration settings. This process can be useful to make certain you have the right changes in place before they are implemented on the firewall.

In this section, you will make a minor modification to the firewall and use **Preview Changes** to compare the candidate config to the running config.

1. Modify the SNMP configuration by going to **Device > Setup > Operations** and clicking **SNMP Setup** under the *Miscellaneous* section.



2. In the *SNMP Setup* window, change the *Physical Location* to **Santa Clara, CA, USA** for *Contact*, enter **Unit 42**, for *SNMP Community String*, enter **paloalto42**. Click **OK**.



- Commit your changes to the firewall by clicking the **Commit** button at the upper-right of the *PA-VM* web interface.






- In the *Commit* window, click **Preview Changes**.

Commit ?

Doing a commit will overwrite the running configuration with the commit scope.

☒ Commit All Changes ☐ Commit Changes Made By: (1) admin

COMMIT SCOPE	LOCATION TYPE
device-and-network	

 **Preview Changes**  Change Summary  Validate Commit ☒ Group By Location Type

Note: This shows all the changes in login admin's accessible domain.

Description

Commit **Cancel**

- In the *Preview Changes* window, leave the *Lines of Context* set to **10**. Click **OK**.

Preview Changes ?

Lines of Context **10**

OK **Cancel**



The Lines of Context setting determines how many lines are displayed before a change and after a change in the configuration file.

6. A new browser window named *Device Config Audit* will appear that displays a side-by-side comparison of the current *running configuration* (on the left) and the proposed changes in the *candidate configuration* (on the right). Review the snmp settings that were changed.

Device Config Audit (firewall-a) - Chromium

Not secure | 192.168.1.254/php/device/show-config-diff.php?isGecko=0&width=850&height=500&f...

Device Config Audit (firewall-a)

Thu Aug 5 1:13:08 UTC 2021

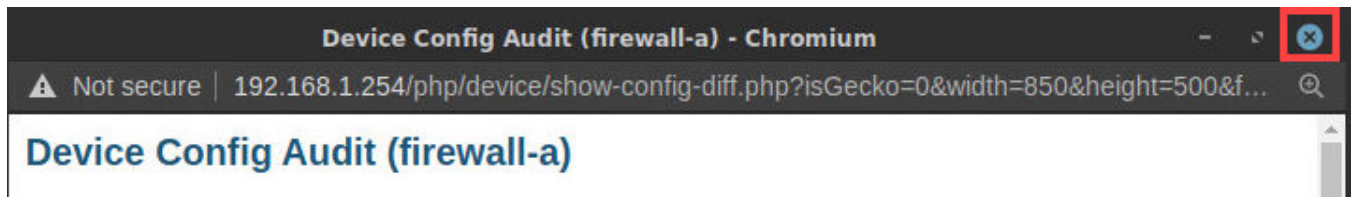
Legend: Added Modified Deleted

Local Device Changes			
Running Configuration		Candidate Configuration	
265	region americas;	265	region americas;
266	}	266	}
267	locale en;	267	locale en;
268	domain panw.lab;	268	domain panw.lab;
269	login-banner "Authorized Access Only";	269	login-banner "Authorized Access Only";
270	permitted-ip {	270	permitted-ip {
271	192.168.0.0/16 {	271	192.168.0.0/16 {
272	description "Mgt access from these hosts only.";	272	description "Mgt access from these hosts only.";
273	}	273	}
274	}	274	}
	 	275	snmp-setting {
	 	276	access-setting {
	 	277	version {
	 	278	v2c {
	 	279	snmp-community-string paloalto42;
	 	280	}
	 	281	}
	 	282	}
	 	283	snmp-system {
	 	284	location "Santa Clara, CA, USA";
	 	285	contact "Unit 42";
	 	286	}
	 	287	}
275	}	288	}
276	setting {	289	setting {

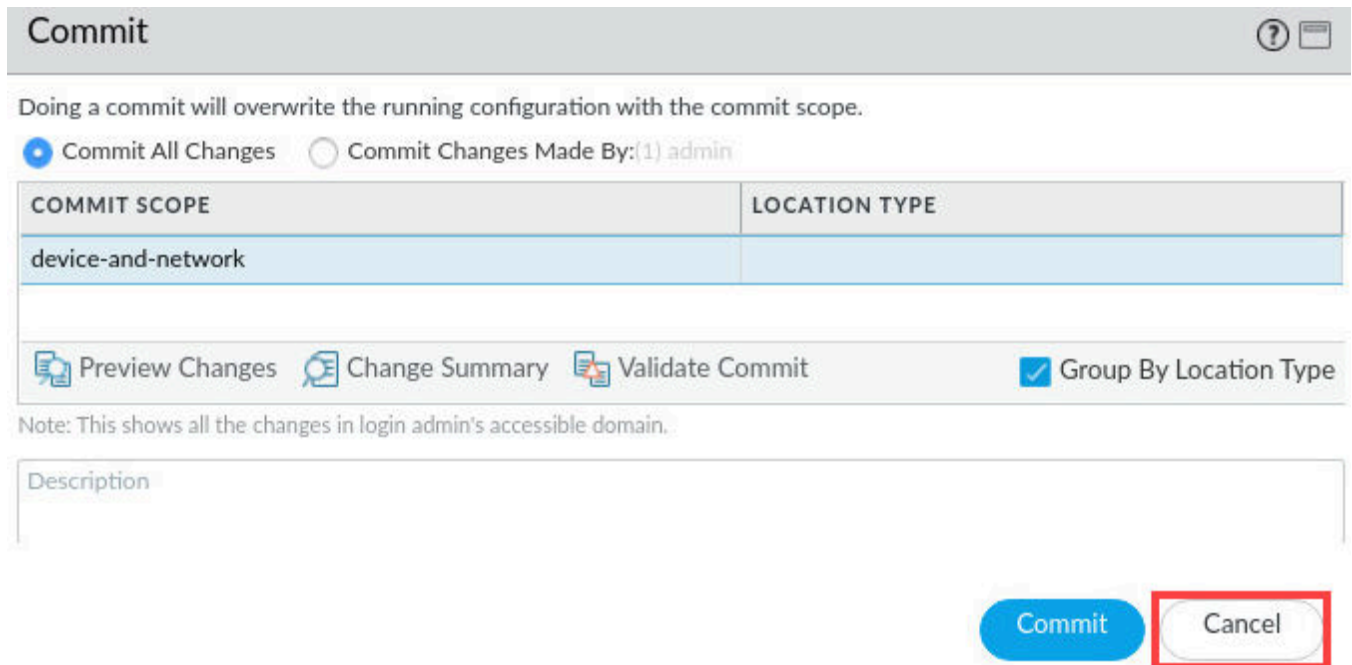


Changes are color coded. Green indicates new elements that have been added. Yellow indicates existing elements that have been modified. Red indicates existing elements that have been deleted.

7. Close the *Device Config Audit* window by clicking the **X** in the upper right corner.



8. Click **Cancel** in the *Commit* window.



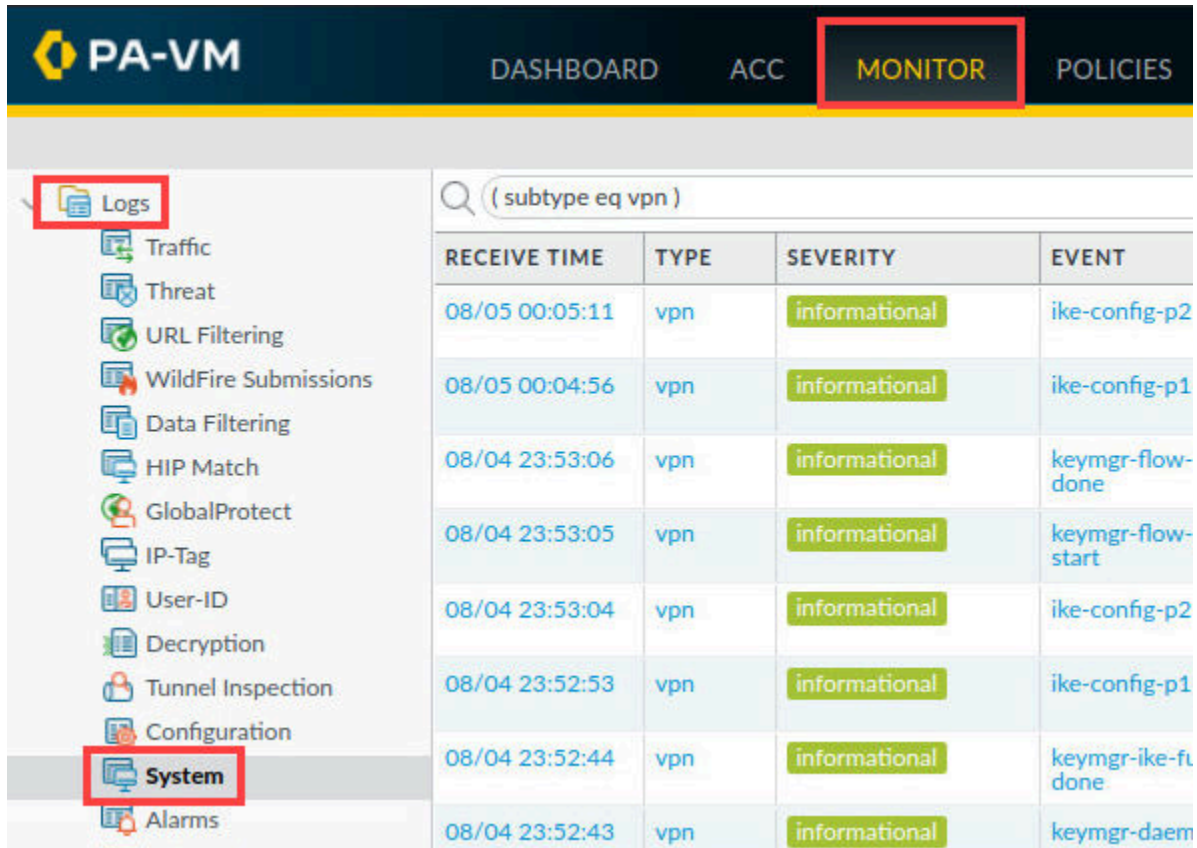
9. Leave the *Palo Alto Networks Firewall* open and continue to the next task.

1.6 Examine Log Files

Although the information in log files varies, the process of examining and searching log files on the firewall is the same.

In this section, you will examine and navigate the firewall System log. You can later apply the same tasks and techniques while examining any other log file on the firewall, such as the Traffic or Threat logs.

1. In the *PA-VM* firewall interface, select **Monitor > Logs > System**.



RECEIVE TIME	TYPE	SEVERITY	EVENT
08/05 00:05:11	vpn	informational	ike-config-p2
08/05 00:04:56	vpn	informational	ike-config-p1
08/04 23:53:06	vpn	informational	keymgr-flow-done
08/04 23:53:05	vpn	informational	keymgr-flow-start
08/04 23:53:04	vpn	informational	ike-config-p2
08/04 23:52:53	vpn	informational	ike-config-p1
08/04 23:52:44	vpn	informational	keymgr-ike-ft-done
08/04 23:52:43	vpn	informational	keymgr-daem

5. The table now displays **Severity** as the first column.

Q (subtype eq vpn)

SEVERITY	RECEIVE TIME	TYPE	EVENT	DESCRIPTION
informational	08/05 00:05:11	vpn	ike-config-p2-success	IKE daemon config succeeded.



Reordering columns is also optional; however, you may discover that the information in a specific log file is easier for you to analyze after you customize the columns.

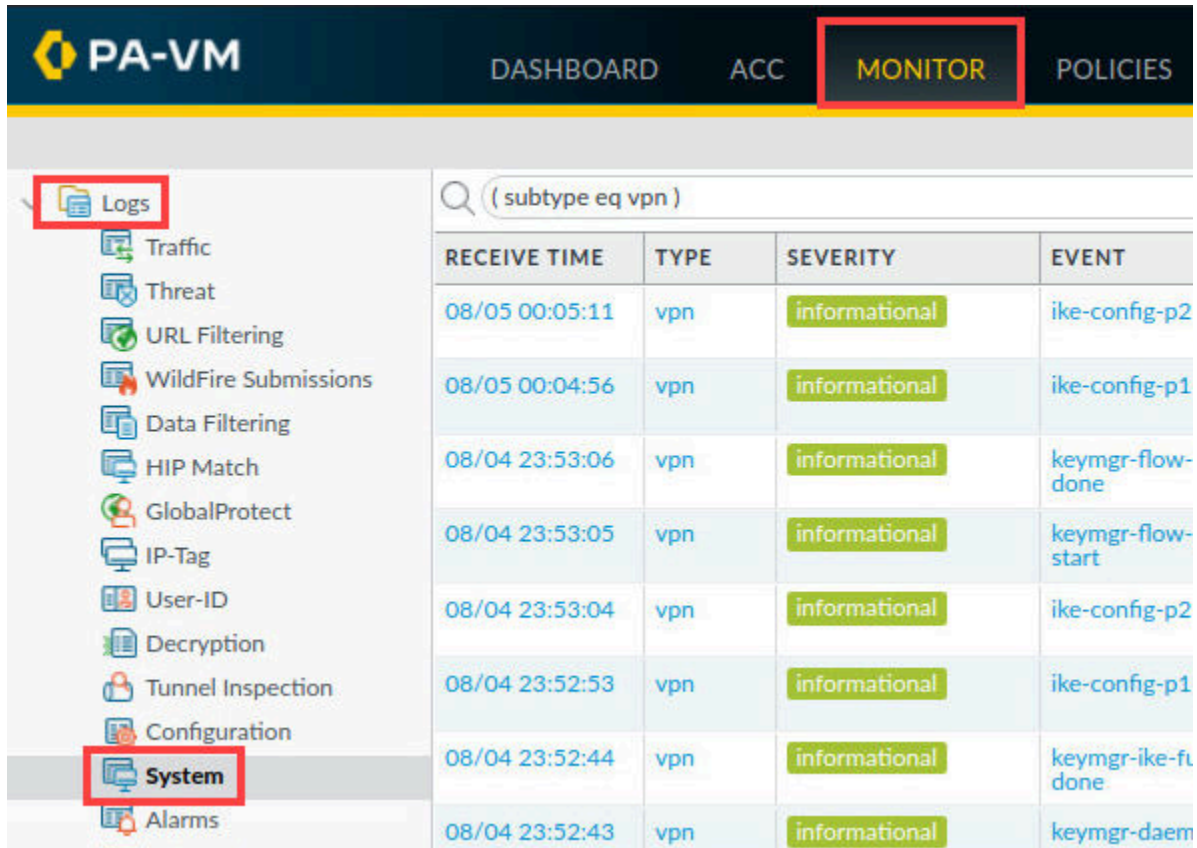
6. Leave the *Palo Alto Networks Firewall* open and continue to the next task.

1.7 Create a Log File Filter

Scanning through log files row-by-row is tedious. If you are looking for specific information, you can create filters quickly to display only entries that match certain criteria. All log files support filters.

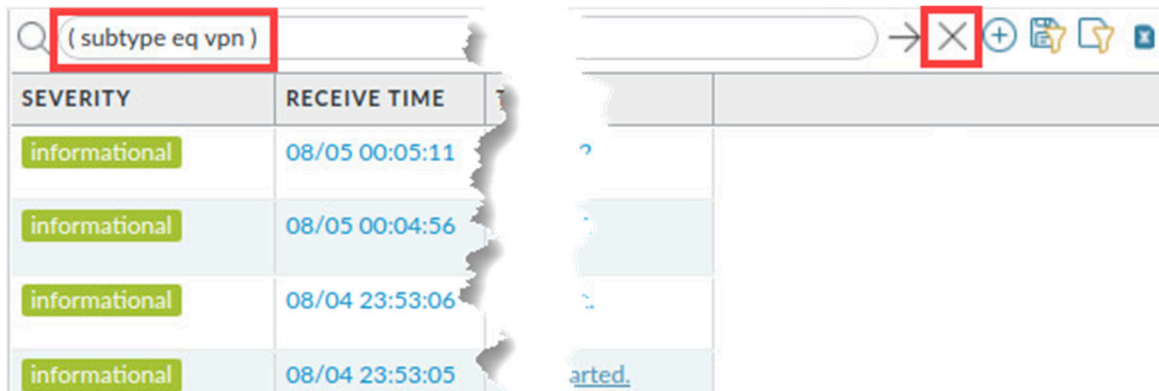
In this section, you will examine and navigate the firewall System log. You can later apply the same tasks and techniques while examining any other log file on the firewall, such as the Traffic or Threat logs.

1. In the PA-VM firewall interface, select **Monitor > Logs > System**.



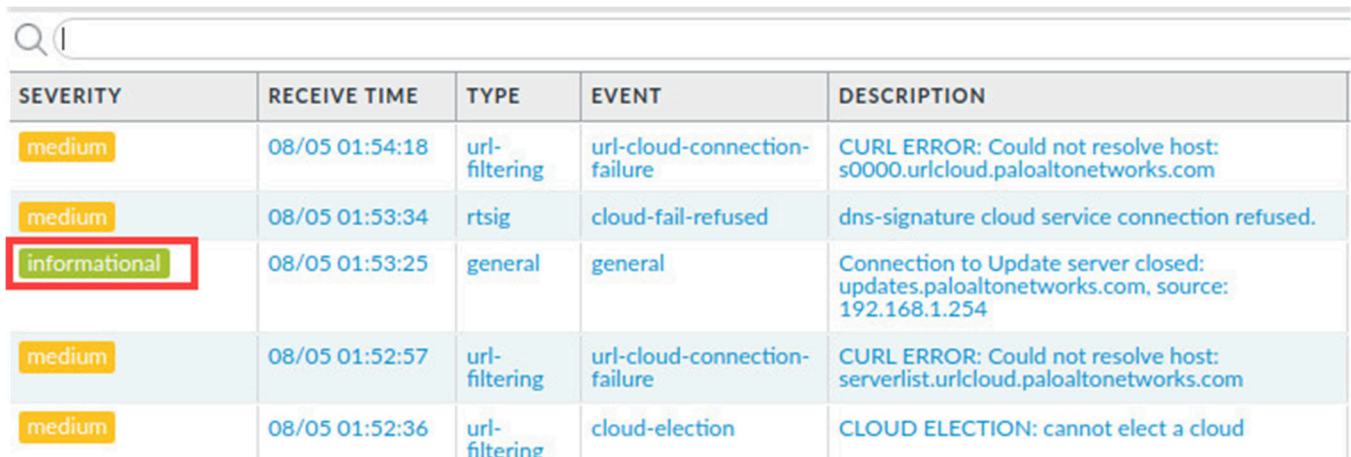
RECEIVE TIME	TYPE	SEVERITY	EVENT
08/05 00:05:11	vpn	informational	ike-config-p2
08/05 00:04:56	vpn	informational	ike-config-p1
08/04 23:53:06	vpn	informational	keymgr-flow-done
08/04 23:53:05	vpn	informational	keymgr-flow-start
08/04 23:53:04	vpn	informational	ike-config-p2
08/04 23:52:53	vpn	informational	ike-config-p1
08/04 23:52:44	vpn	informational	keymgr-ike-ft-done
08/04 23:52:43	vpn	informational	keymgr-daem

- In the *System log* file, notice the filter (**subtype eq vpn**). Delete the filter by clicking on the **X** (*Clear Filter*) button.



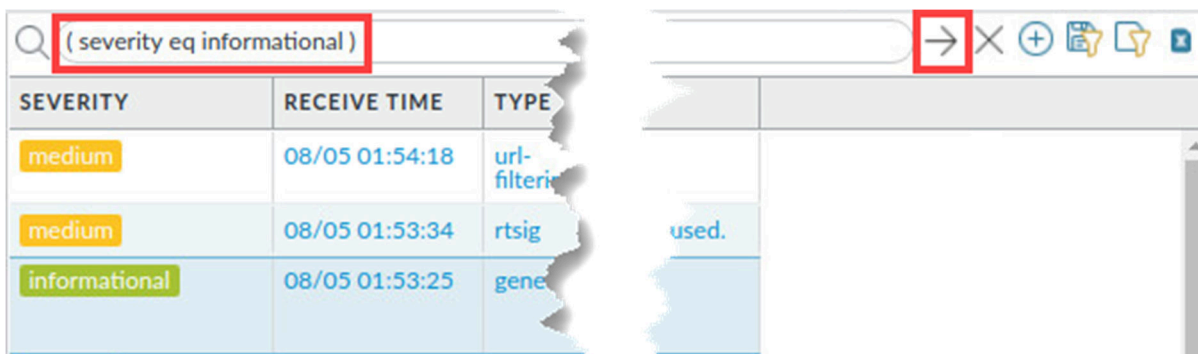
SEVERITY	RECEIVE TIME	
informational	08/05 00:05:11	
informational	08/05 00:04:56	
informational	08/04 23:53:06	
informational	08/04 23:53:05	arted.

- In the *System log* file, click any entry under the *Severity* column that contains **informational**. Click **informational**.



SEVERITY	RECEIVE TIME	TYPE	EVENT	DESCRIPTION
medium	08/05 01:54:18	url-filtering	url-cloud-connection-failure	CURL ERROR: Could not resolve host: s0000.urlcloud.paloaltonetworks.com
medium	08/05 01:53:34	rtsg	cloud-fail-refused	dns-signature cloud service connection refused.
informational	08/05 01:53:25	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254
medium	08/05 01:52:57	url-filtering	url-cloud-connection-failure	CURL ERROR: Could not resolve host: serverlist.urlcloud.paloaltonetworks.com
medium	08/05 01:52:36	url-filtering	cloud-election	CLOUD ELECTION: cannot elect a cloud

- The web interface will automatically build a filter statement with the appropriate syntax to search for all entries that contain **informational** in the *Severity* field. Click the **Apply Filter** button in the upper-right of the window.



SEVERITY	RECEIVE TIME	TYPE
medium	08/05 01:54:18	url-filtering
medium	08/05 01:53:34	rtsg
informational	08/05 01:53:25	general

5. The System log display will update to show only those entries that contain **informational** as the *Severity* level.

Q (severity eq informational)

SEVERITY	RECEIVE TIME	TYPE	EVENT	DESCRIPTION
informational	08/05 01:53:25	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254
informational	08/05 01:47:13	url-filtering	url-cloud-connection-failure	Failed to open connection with the cloud after 20 consecutive tries.
informational	08/05 01:38:46	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254
informational	08/05 01:25:55	general	general	User admin accessed Monitor tab
informational	08/05 01:23:53	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254

6. Under the *Event* column, click any entry that contains the word **general**. Click **general**.

Q (severity eq informational)

SEVERITY	RECEIVE TIME	TYPE	EVENT	DESCRIPTION
informational	08/05 01:53:25	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254
informational	08/05 01:47:13	url-filtering	url-cloud-connection-failure	Failed to open connection with the cloud after 20 consecutive tries.
informational	08/05 01:38:46	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254
informational	08/05 01:25:55	general	general	User admin accessed Monitor tab
informational	08/05 01:23:53	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254

7. Notice the interface will update the syntax to create a combined filter.

Q (severity eq informational) and (eventid eq general)

8. Click the **Apply Filter** button. The interface will update the log file to display only those entries that match both conditions.

Q (severity eq informational) and (subtype eq general)

SEVERITY	RECEIVE TIME	TYPE	EVENT	DESCRIPTION
informational	08/05 03:08:48	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254
informational	08/05 02:54:02	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254
informational	08/05 02:38:30	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254
informational	08/05 02:23:18	general	general	Connection to Update server closed: updates.paloaltonetworks.com, source: 192.168.1.254

9. Remove the filter by clicking the **Clear Filter** button in the upper-right corner of the window.

Q

SEVERITY	RECEIVE TIME	TYPE	EVENT
medium	08/05 03:12:15	url-filtering	url-cloud-connection failure
informational	08/05 03:08:48	general	general
medium	08/05 03:07:47	url-filtering	url-cloud-connection failure



A good practice is to clear any filters from log file displays before you move to other portions of the web interface. The next time you examine the same log, it will display all results instead of only ones you have previously filtered.

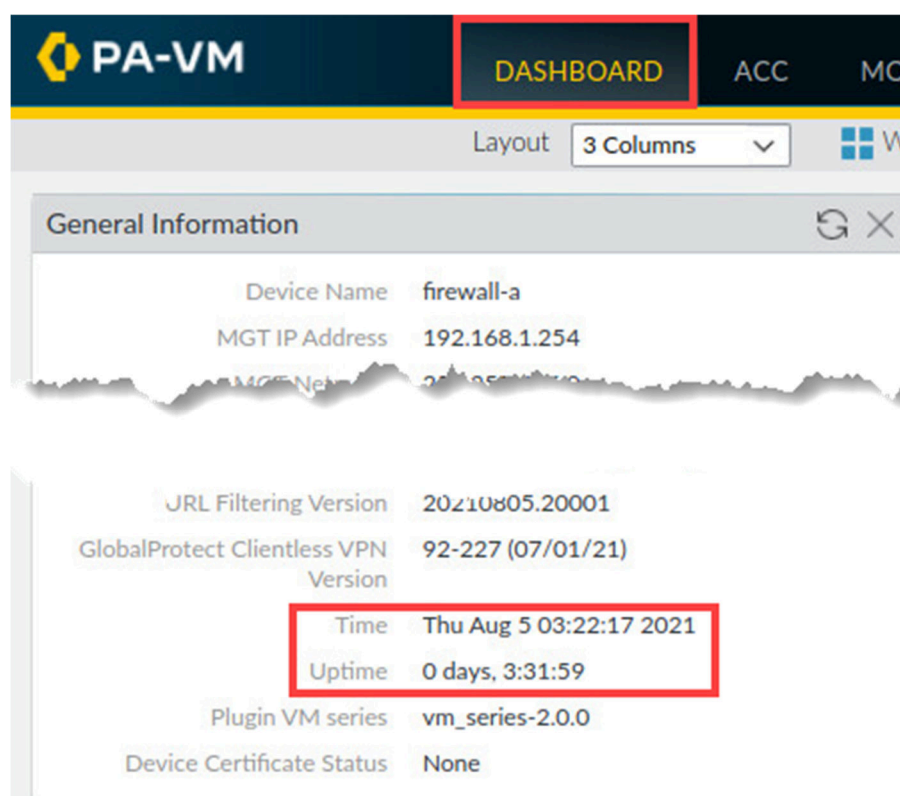
10. Leave the *Palo Alto Networks Firewall* open and continue to the next task.

1.8 Use the Filter Builder

Clicking the link for a specific entry in a log file will automatically create a simple filter. You can create more complex filters by clicking multiple conditions; however, there are some situations in which this process will not provide you with the kind of criteria you need to complete a search. For long or sophisticated searches, you can use the Filter Builder.

In this section, you will use the Filter Builder to search the System log for all entries that have occurred in the last 60 minutes.

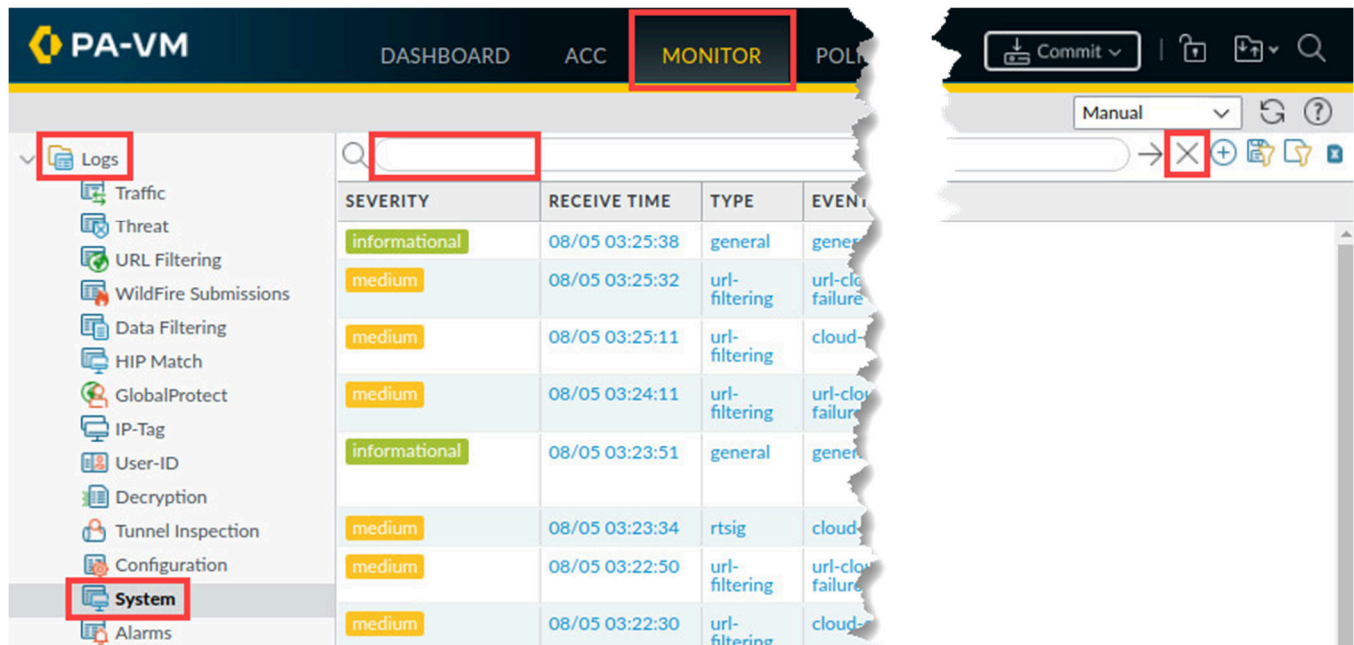
1. In the *PA-VM* web interface, select the **Dashboard** tab. Under the *General Information* section, scroll to the bottom and locate the **Time**. Make a note of the date and time displayed (you will need this information in a later step).



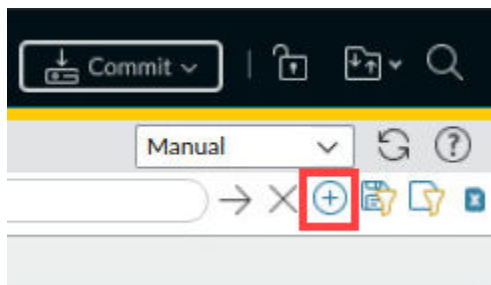
Please
Note

For this lab, notice the time of 03:22:17. The times you see will vary.

2. Select **Monitor > Logs > System**. Verify you do not have any filters present. If you have a filter present, click the **Clear Filter** button in the upper-right corner of the *System Logs* window.

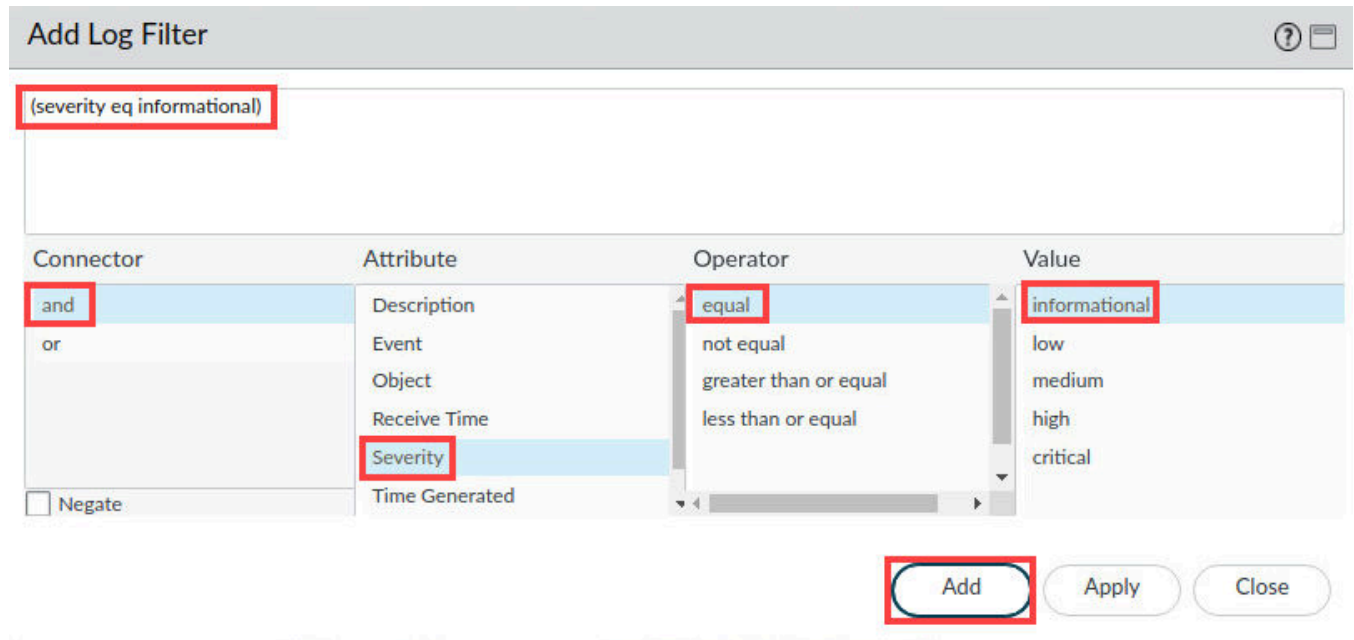


3. Click the **Add Filter** button in the upper-right corner of the *System Logs* window.



4. In the *Add Log Filter* window, fill in the following information below.

- A. Under the *Connector* column, click **and**.
- B. Under the *Attribute* column, click **Severity**.
- C. Under the *Operator* column, click **equal**.
- D. Under the *Value* column, click **informational**.
- E. Click **Add**.
- F. Note that the filter field at the top of the window updates to display the correct syntax for this filter

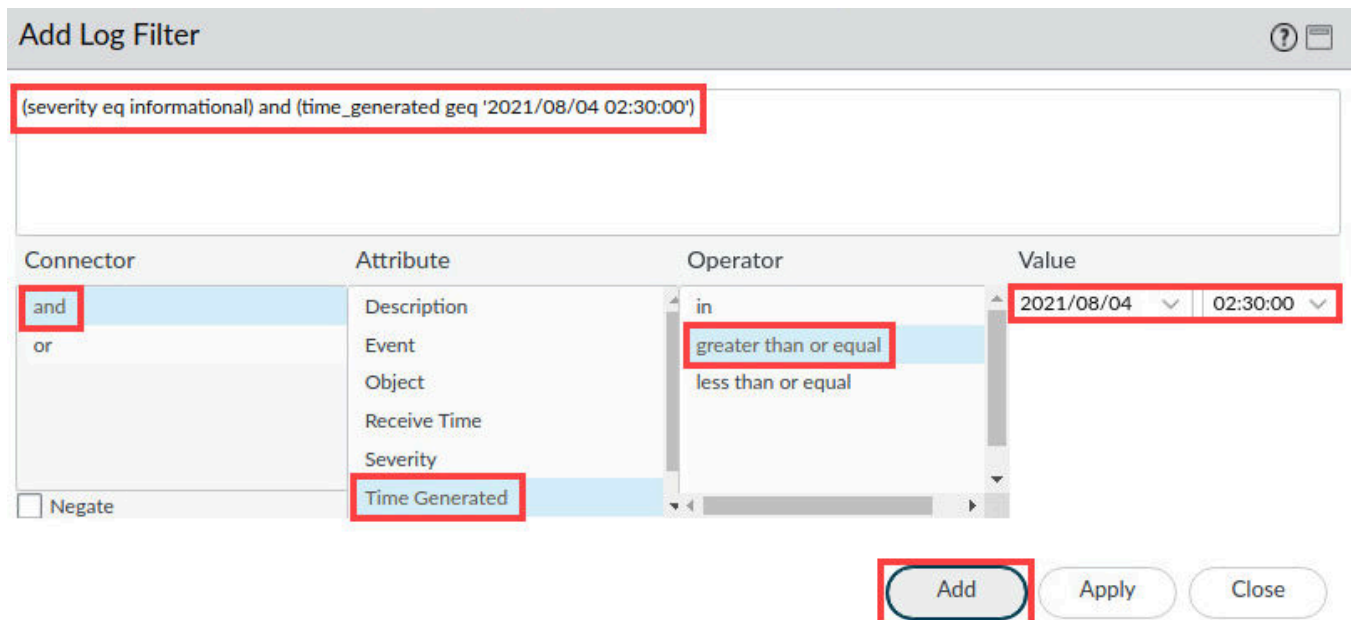


Connector	Attribute	Operator	Value
and	Description	equal	informational
or	Event	not equal	low
	Object	greater than or equal	medium
	Receive Time	less than or equal	high
	Severity		critical
	Time Generated		

☐ Negate

Add Apply Close

5. With the *Add Log Filter* window open, build the second part of the filter.
- A. Under the *Connector* column, select **and**.
 - B. Under the *Attribute* column, select **Time Generated**.
 - C. Under *Operator*, select **greater than or equal to**.
 - D. Under the *Value* column, use the first dropdown list to select the date you recorded in step 1.
 - E. Under the *Value* column, use the second dropdown list to select a time approximately sixty minutes prior to the time you recorded in step 1 (round up or down if you need to).
 - F. Click **Add**.
 - G. Note that the filter is updated to reflect the additional syntax.



The screenshot shows the 'Add Log Filter' window. At the top, a text box contains the filter syntax: `(severity eq informational) and (time_generated geq '2021/08/04 02:30:00')`. Below this is a table with four columns: Connector, Attribute, Operator, and Value. The 'Connector' column has 'and' selected. The 'Attribute' column has 'Time Generated' selected. The 'Operator' column has 'greater than or equal' selected. The 'Value' column has two dropdown menus; the first is set to '2021/08/04' and the second is set to '02:30:00'. At the bottom right, there are three buttons: 'Add', 'Apply', and 'Close'. The 'Add' button is highlighted.

Connector	Attribute	Operator	Value
and	Time Generated	greater than or equal	2021/08/04 02:30:00

Please Note

For this lab example, you notice the time that was recorded will be 03:22:17. When you round down, the value to record will be 02:30:00. The time and date for your filter will differ from the example shown here.

6. In the *Add Log Filter* window, click **Apply**.

Add Log Filter

(severity eq informational) and (time_generated geq '2021/08/04 02:30:00')

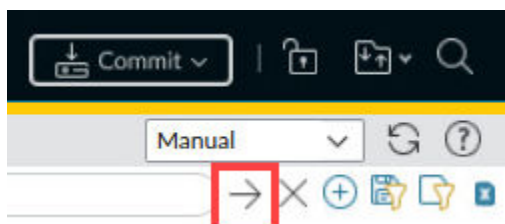
Connector	Attribute	Operator	Value
and	Description	in	2021/08/04 02:30:00
or	Event	greater than or equal	
	Object	less than or equal	
	Receive Time		
	Severity		
<input type="checkbox"/> Negate	Time Generated		

7. Your filter will appear in the System log syntax field. Remember, your *time* will be different than this lab example.

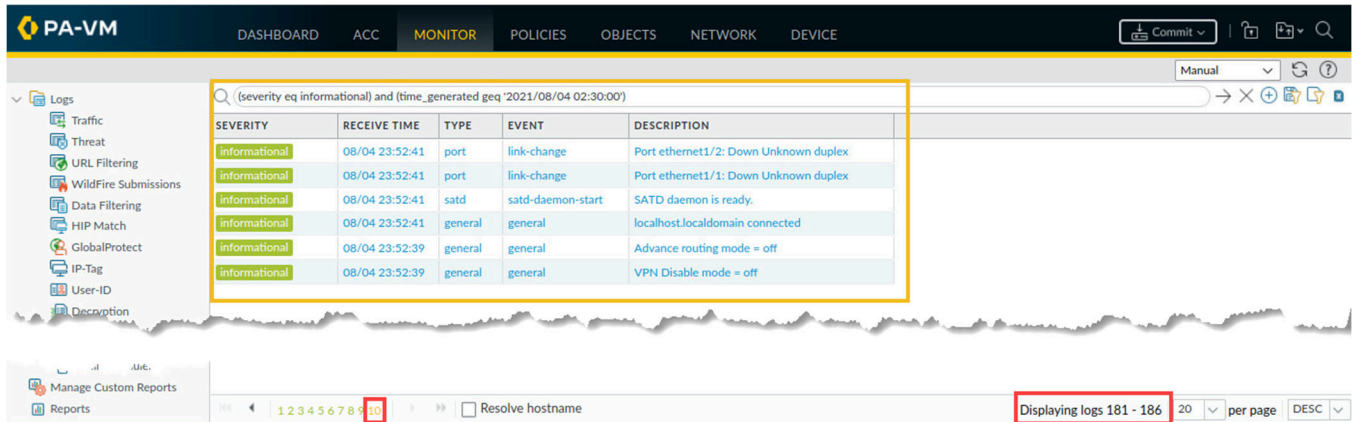
(severity eq informational) and (time_generated geq '2021/08/04 02:30:00')

SEVERITY	RECEIVE TIME	TYPE	EVENT	DESCRIPTION
informational	08/05 03:25:38	general	general	User admin accessed Monitor tab
medium	08/05 03:25:32	url-filtering	url-cloud-connection-failure	CURL ERROR: Could not resolve host: serverlist.urlcloud.paloaltonetworks.com
medium	08/05 03:25:11	url-filtering	cloud-election	CLOUD ELECTION: cannot elect a cloud

8. Click the **Apply Filter** button in the upper-right corner of the window.



9. The *System log* display will update to show you only entries that have been generated after the time you specified for this lab. For this lab, we waited some time and went to the very last page, which was page 10. Page 10 shows you the first entry after the time that was specified in the filter creation.



SEVERITY	RECEIVE TIME	TYPE	EVENT	DESCRIPTION
informational	08/04 23:52:41	port	link-change	Port ethernet1/2: Down Unknown duplex
informational	08/04 23:52:41	port	link-change	Port ethernet1/1: Down Unknown duplex
informational	08/04 23:52:41	satd	satd-daemon-start	SATD daemon is ready.
informational	08/04 23:52:41	general	general	localhost.localdomain connected
informational	08/04 23:52:39	general	general	Advance routing mode = off
informational	08/04 23:52:39	general	general	VPN Disable mode = off

Please Note

Although you used the System log as the basis for this exercise, the process of creating filters is the same throughout all Palo Alto Networks firewall log files. The Filter Builder also is available to use in all log file tables.

The number of pages you will see may vary based on the amount of time you allow. For this step, you will notice we waited to allow for 10 pages of logs to show.

10. The lab is now complete; you may end your reservation.