# **Purpose**

The purpose of this lab was in order to update the software and renew the license of the firewall. This is done to get the firewall up to date and ready to use in future labs.

#### Background

Updating the software of a firewall is necessary due to the fact that security threats are always evolving, and new security bugs are always being found.

We also enabled dynamic updates which are used to keep the firewall up to date automatically without any human input, keeping the firewall up to date at all times.

License syncing is required in order to connect the firewall to its valid license. Due to the fact that we factory reset the firewall, a sync is needed to use subscription services and continue getting updates for the foreseeable future.

Global Protect is needed in order to set up VPNs, something we will be doing later on in future labs using our Palo Alto 220s.

## Steps

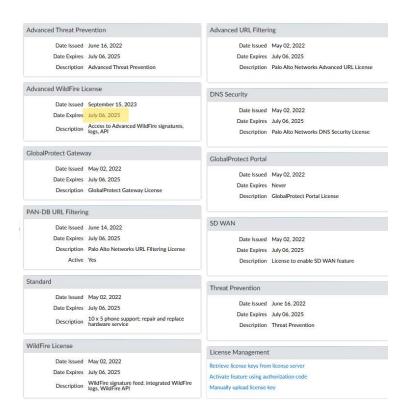
License Management

Retrieve license keys from license server

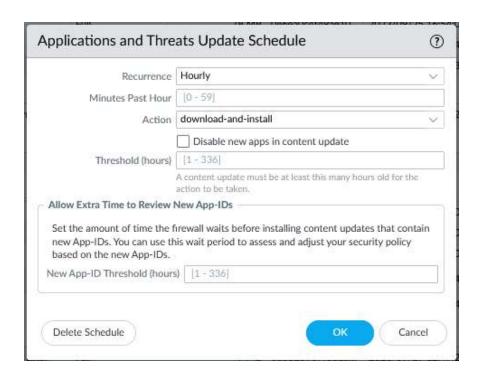
Activate feature using authorization code

Manually upload license key

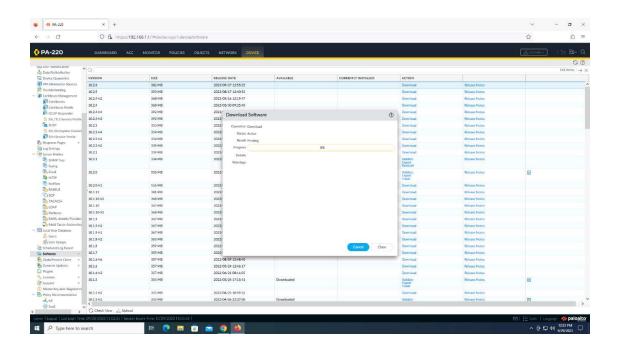
1: Under Devices > Licenses, click Retrieve license keys from license server.



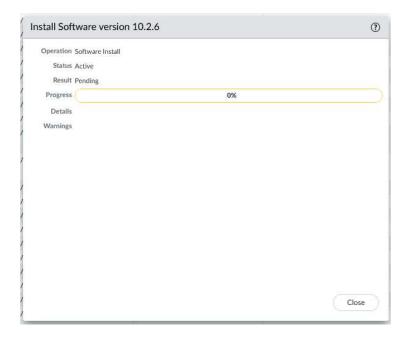
Once done updating licenses, you should get new dates for your Date Expired



2: Under Devices > Dynamic Updates and update the schedule. Set the time to whatever you desire, we recommend hourly, set the action to download-and-install and click OK.



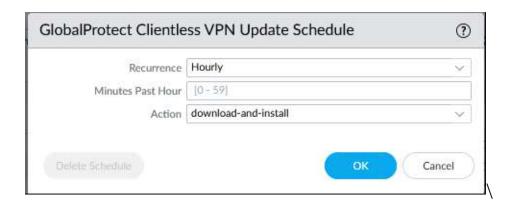
3: Under Device > Software, download the latest OS version. Once it's downloaded update to the latest version.



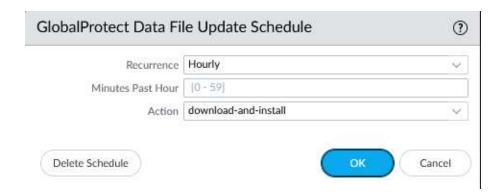


## Current version installed.

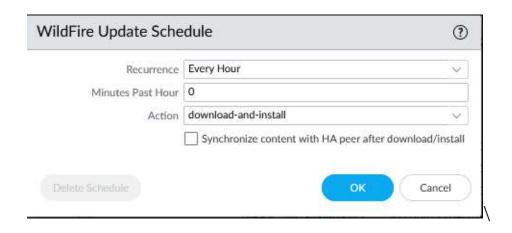
4: Under Device > Global Protect Client, click Check Now. Update to the latest VPN.



5: Set a VPN update schedule, we recommend hourly. Select the download-and-install option



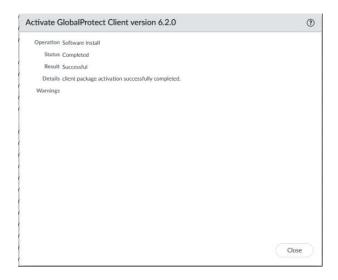
6: Do the same for VPN Data File update schedule



7: And with WildFire schedule.

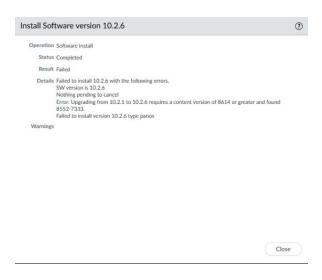


8: install Global Protect



#### **Problems:**

The biggest problem we ran into when doing this lab was mistakenly doing the todo list out of order. You MUST set up dynamic updates before you update the software of a PA-220. Once this mistake was realized it was a fairly easy fix, just set up dynamic update before installing the OS.



# Conclusion:

These steps must be done in order or troubles will occur. Updating the license goes first, followed by setting up dynamic updates. Update the OS and set up global protect after that, and you'll be set. Make sure you familiarize to the GUI as this is what we will be using for the foreseeable future.