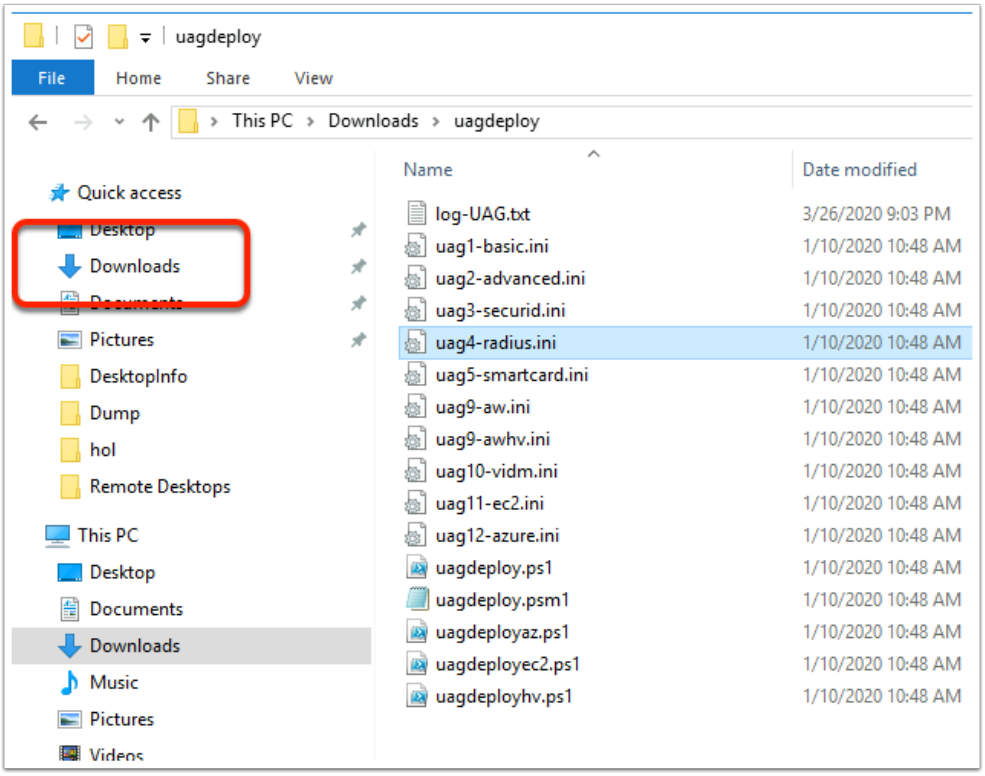
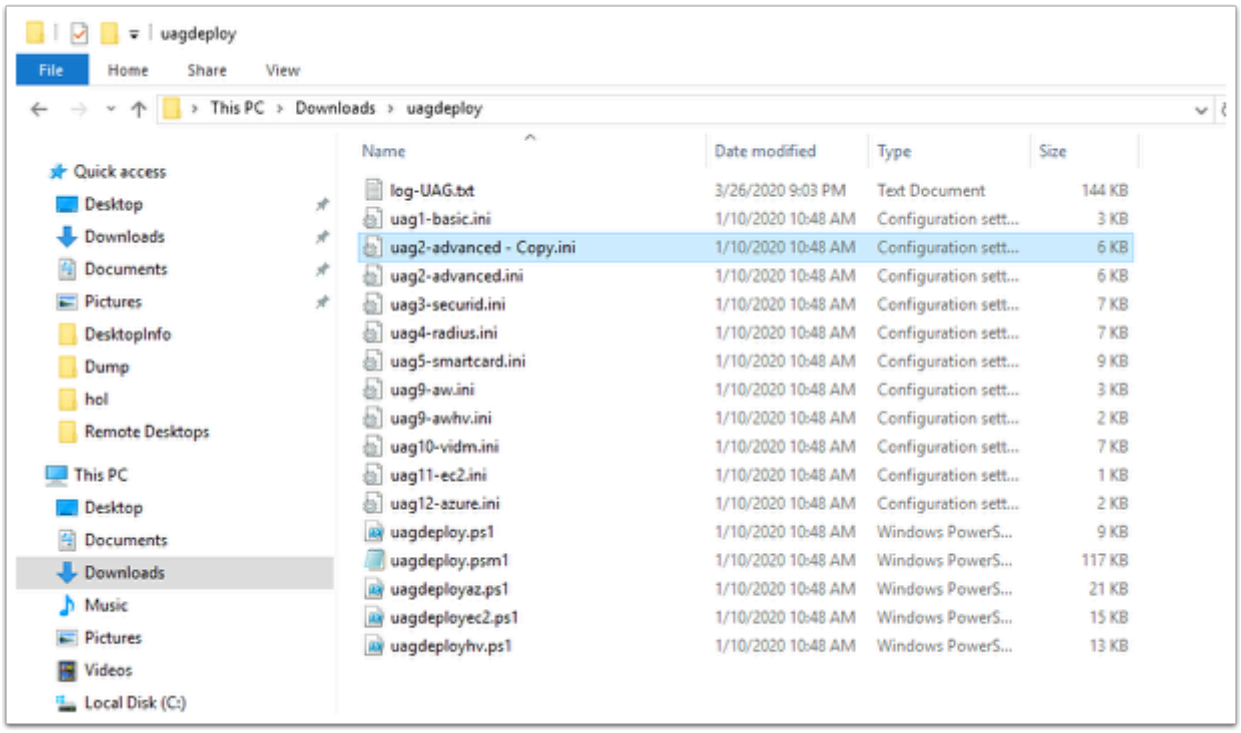
Chapter 6: Unified Access Gateway deployment using the PowerShell

PART 1

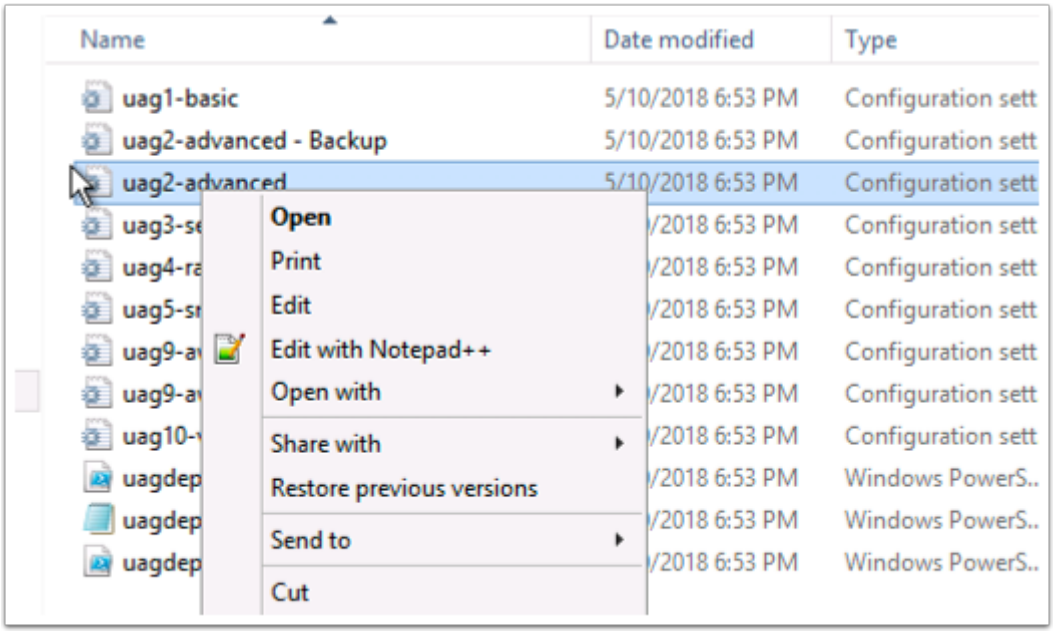
This is an overview of deploying the Unified Access Gateway script for VMware Horizon



1. On your **ControlCenter** server,
   - Go to the **Downloads** folder
   - Select and open the **uagdeploy** folder and observe the contents



2. Select the **uag2-Advanced.ini**,
   - **Copy and Paste** so that you have a backup of the original file .



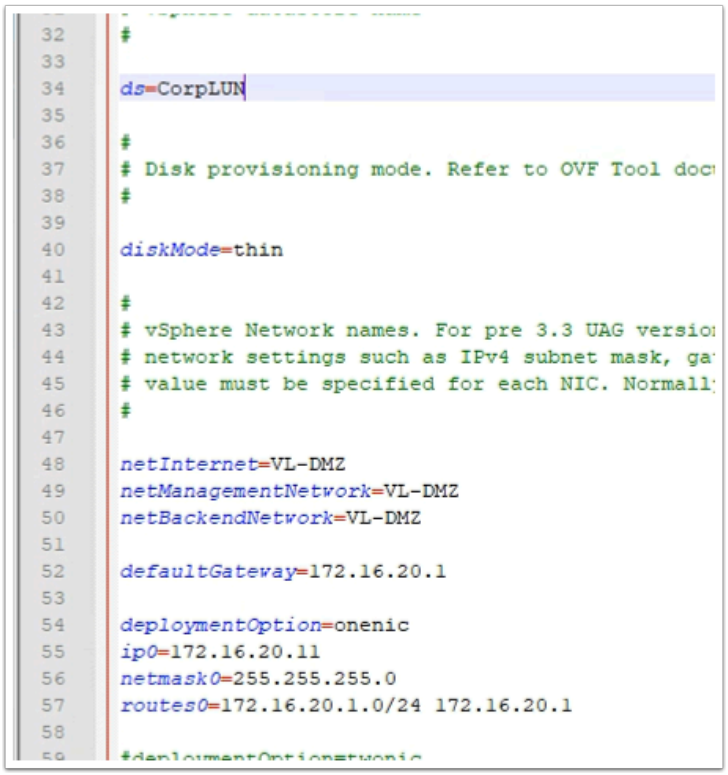
3. Select **uag2-advanced** and then select **Edit with Notepad++**

4. In the **NotePad++** application
   - Next to **name** change to **UAG-HZN**
   - Next to **source** change

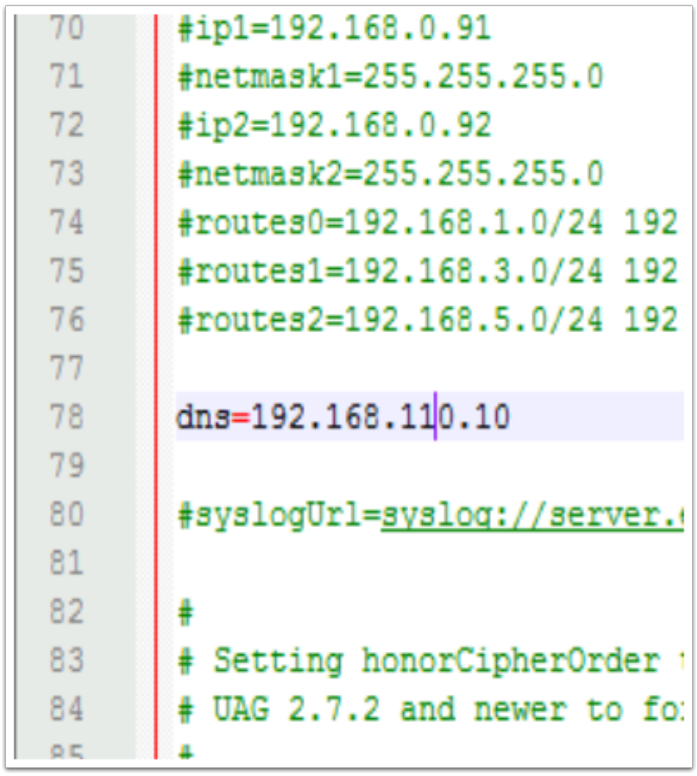
```
source=\\horizon.euc-livefire.com\software\UAG\euc-unified-access-gateway-21.06.2.0-18528989_OVF10.ova
```

- Next to **target** change it to:

```
target=vi://administrator@vsphere.local:PASSWORD@192.168.110.25/RegionA01/host/RegionA01-COMP01/192.168.110.52
```

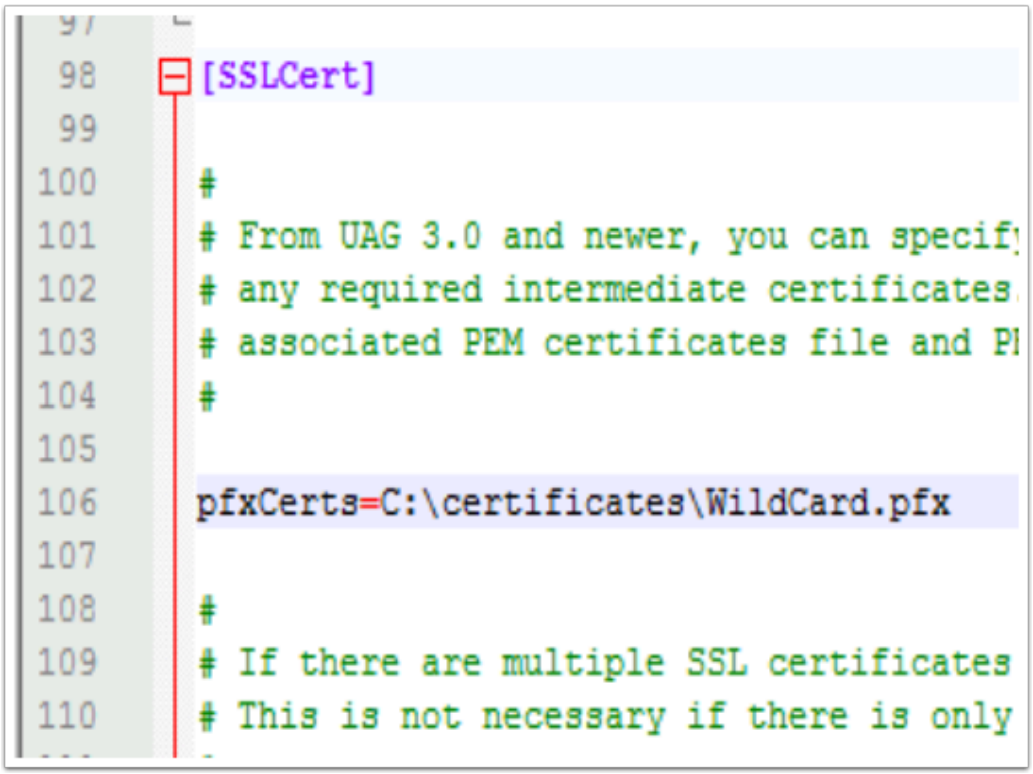


5. **Scroll down** in your NotePad++ window
   - Next to **ds=Local Disk 1** change to **ds=CorpLUN**
   - Next to **#diskMode=thin** change to **diskMode=thin**
   - Change the following network settings to:
     - **netInternet**=**VL-DMZ**
     - **netManagementNetwork**=**VL-DMZ**
     - **netBackendNetwork**=**VL-DMZ**
     - **defaultGateway**=**172.16.20.1**
     - deploymentOption=**onenic**
     - **ip0**=**172.16.20.11**
     - **netmask0=**255.255.255.0
     - **routes0**=**172.16.20.0/24 172.16.20.1**



6. **Scroll Down**
   - Change **dns=192.168.0.10** to

```
dns=192.168.110.10
```

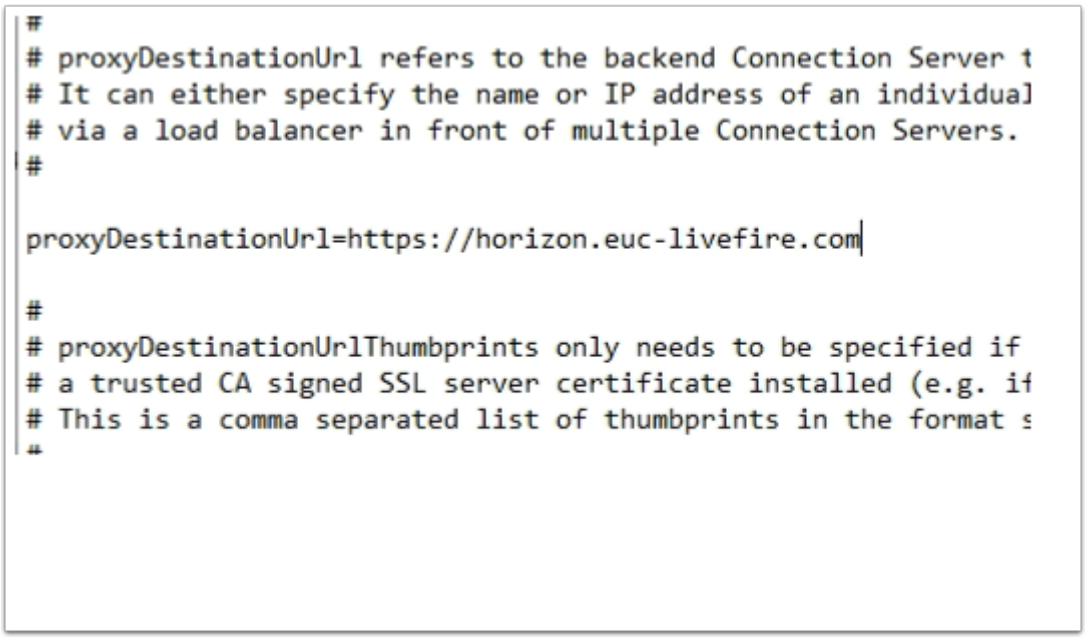


7. Under **[SSLCert]** Change **pfxCerts=sslcerts.pfx** to

```
pfxCerts=C:\certificates\WildCard.pfx
```

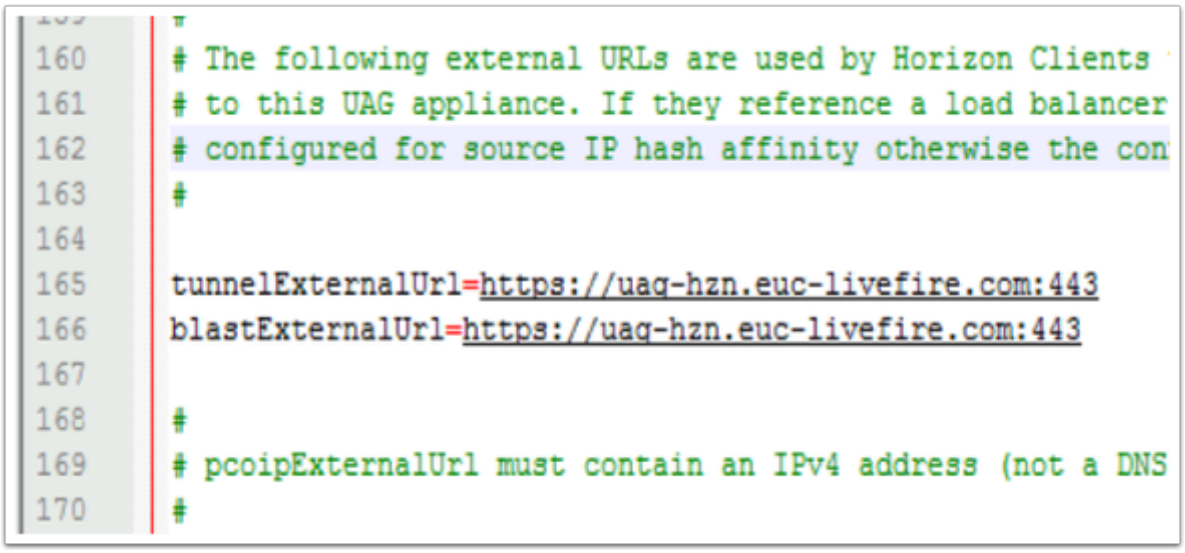
8. In the **[SSLCertAdmin]** section , change **pfxCerts=sslcerts.pfx** to

```
pfxCerts=C:\certificates\WildCard.pfx
```



9. Under the **[Horizon]** section change **proxyDestinationUrl=https://192.168.0.209** to

```
proxyDestinationUrl=https://horizon.euc-livefire.com
```

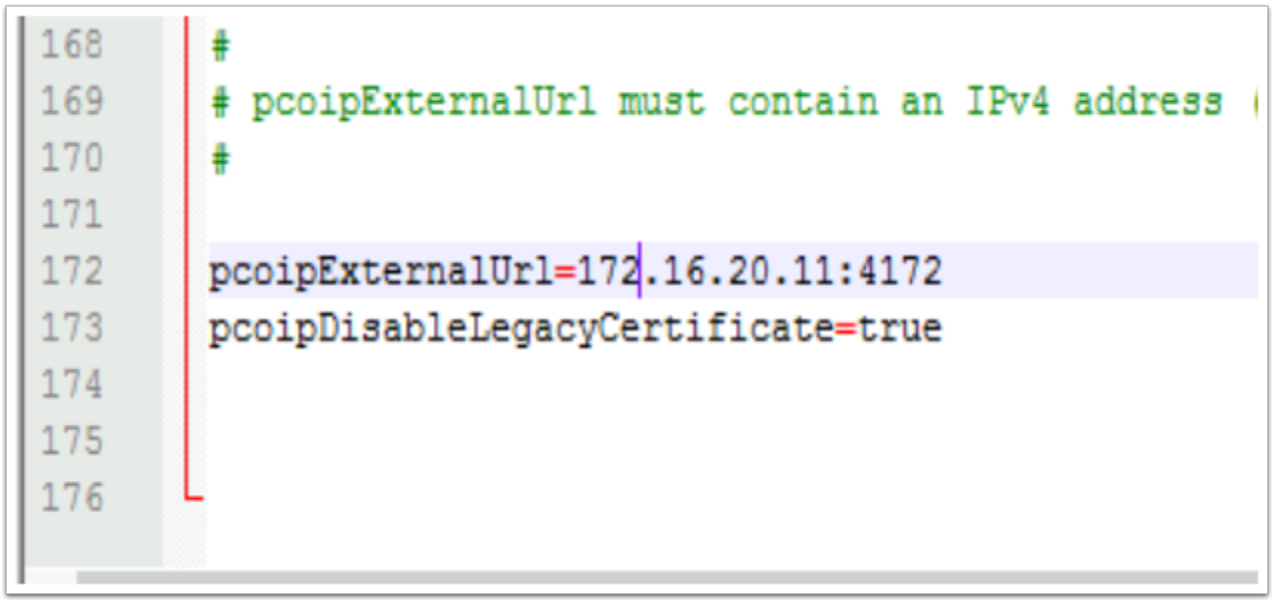


10. **Scroll down** and Change

- **tunnelExternalUrl=https://uag2.horizon.myco.com:443**
- **blastExternalUrl=https://uag2.horizon.myco.com:443**

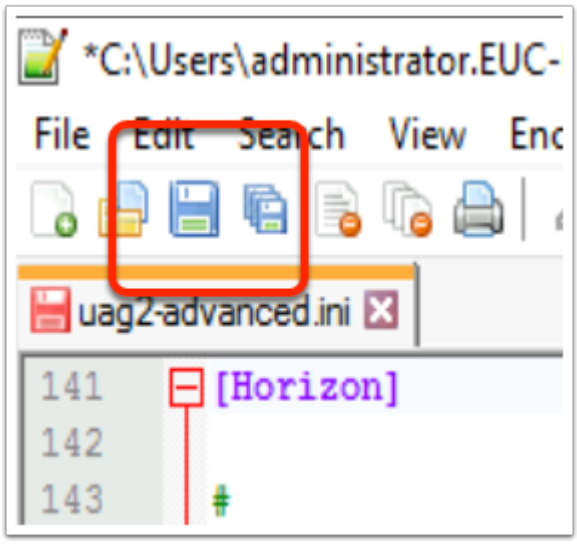
To

```
tunnelExternalUrl=https://uag-hzn.euc-livefire.com:443
blastExternalUrl=https://uag-hzn.euc-livefire.com:443
```



11. **Scroll down** and Change
    - In the **pcoipExternalUrl** section change **pcoipExternalUrl=10.20.30.90:4172** to:

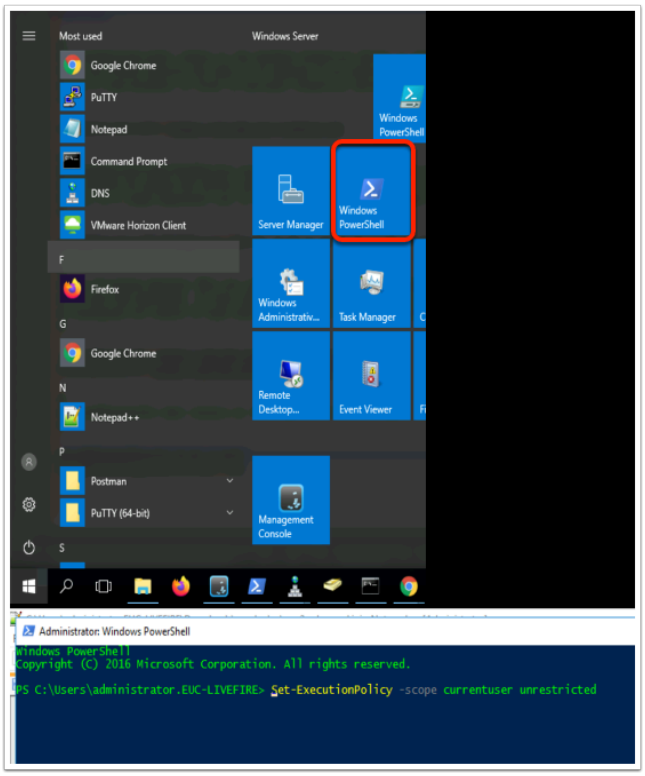
```
pcoipExternalUrl=172.16.20.11:4172
```



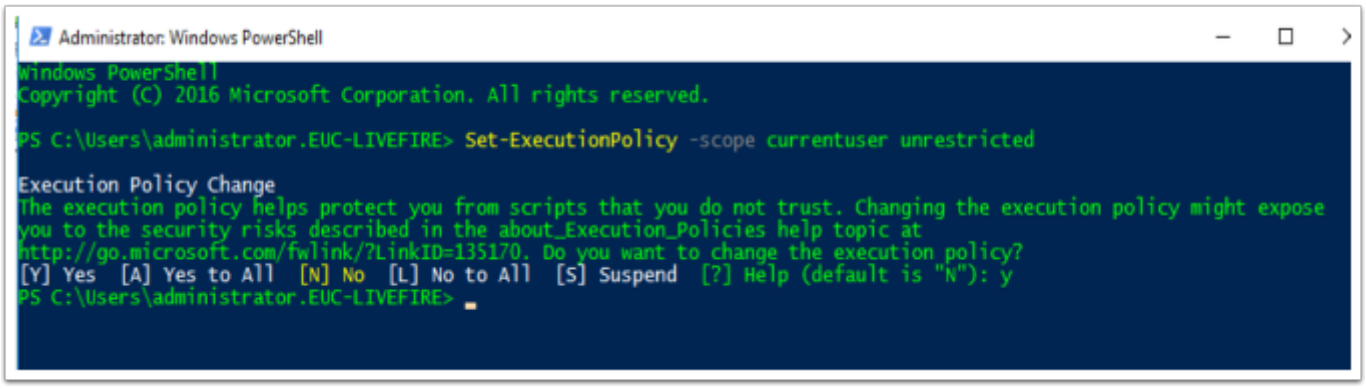
12. **SAVE** THE .ini File

Part 2

In this section, we will deploy the Unified Access Gateway using a Powershell Script



1. On your **ControlCenter** server ,
   - Launch the **powershell** shortcut from the **Start Menu**



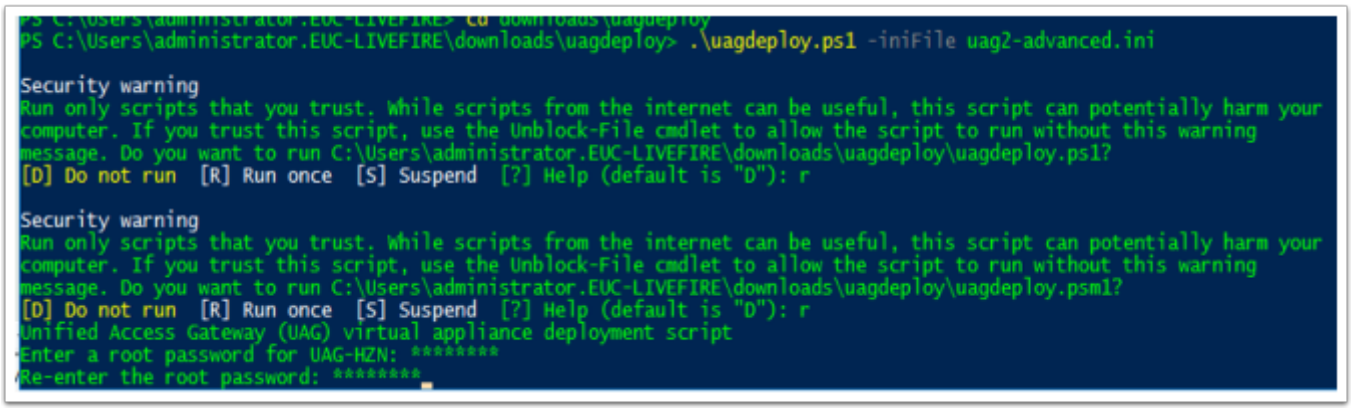
2. We will set the script execution is set to unrestricted. Execute the following command.

```
Set-ExecutionPolicy -scope currentuser unrestricted
```

```
When Prompted select Y
```

3. Within the powershell interface type the following command

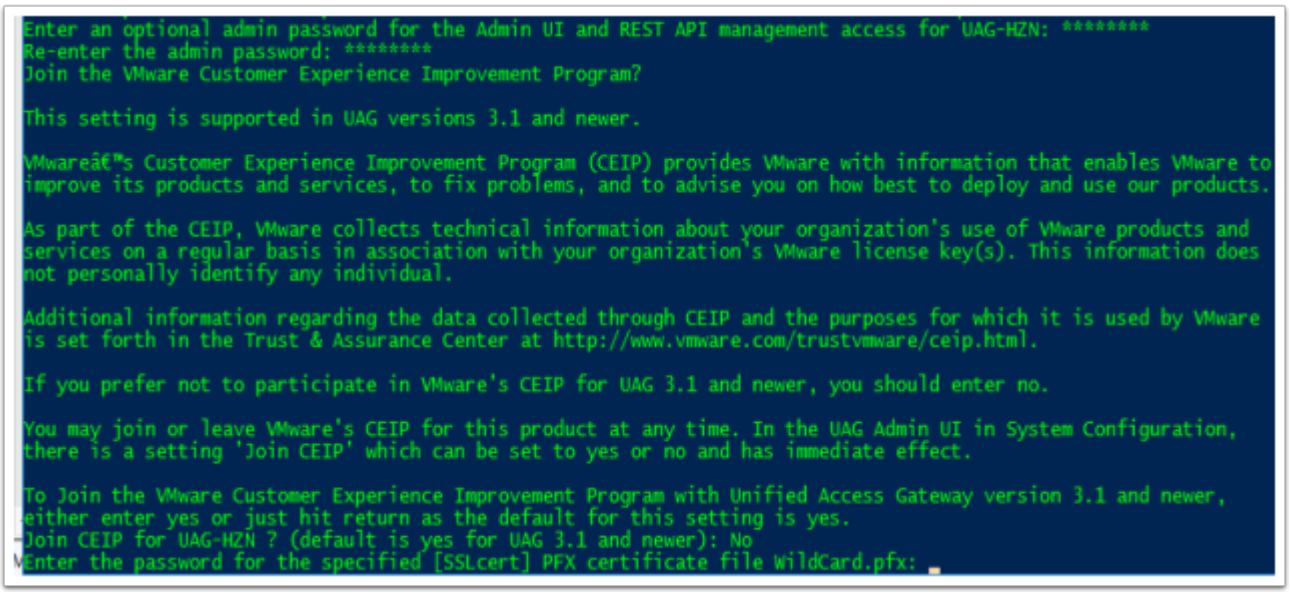
```
cd downloads\uagdeploy
```



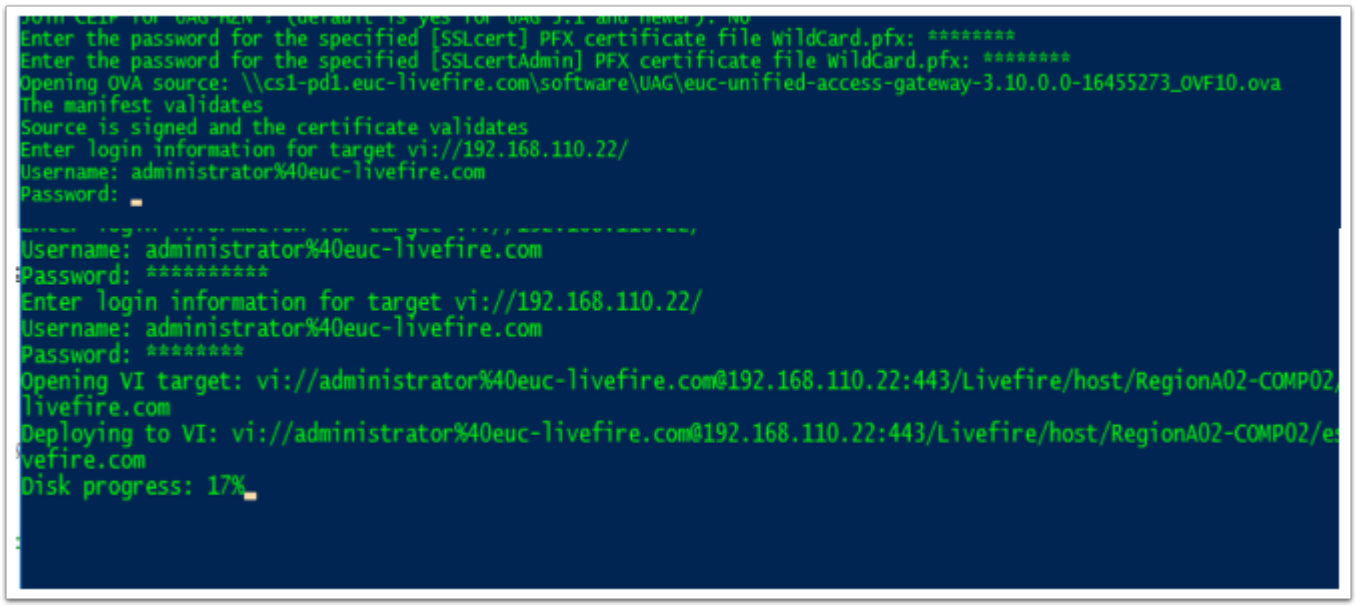
4. Execute the following command

```
.\uagdeploy.ps1 -iniFile uag2-advanced.ini
```

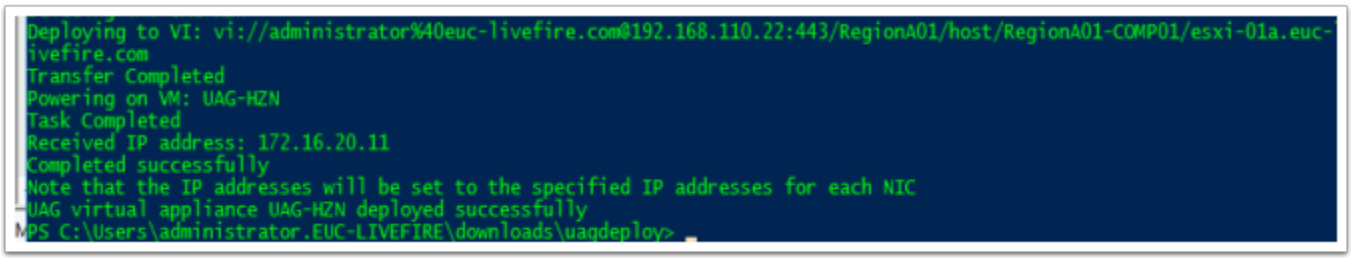
- When you get a security warning type: **R**
- When you get a second security warning type: **R**
- When prompted to **enter a root password for UAG-HZN**,
  - type:- **VMware1!**
  - when prompted to confirm type **VMware1!**



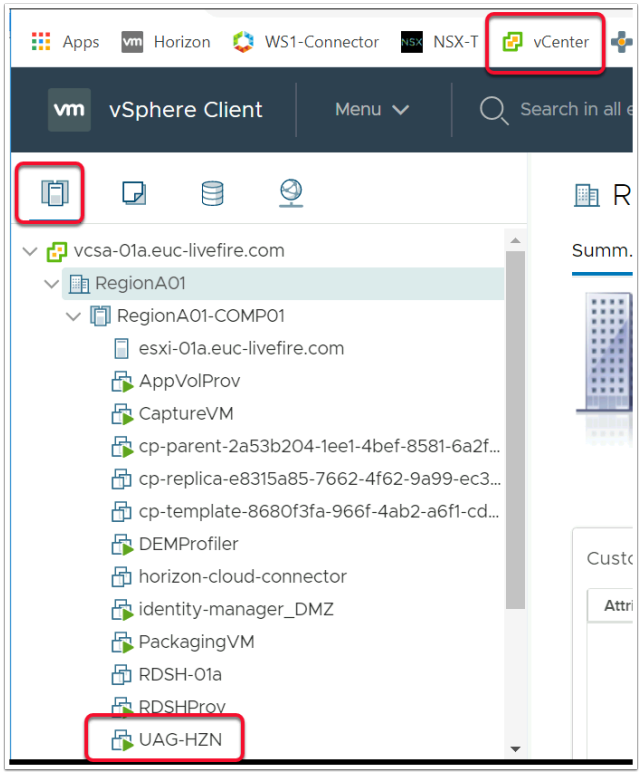
5. When prompted to
   - **Enter an optional admin password for the RESP API management access for UAG:** type **VMware1!**
   - When prompted to **Re-Enter an optional admin password :** type **VMware1!**
   - When prompted whether or not to join the customer experience program type **No**



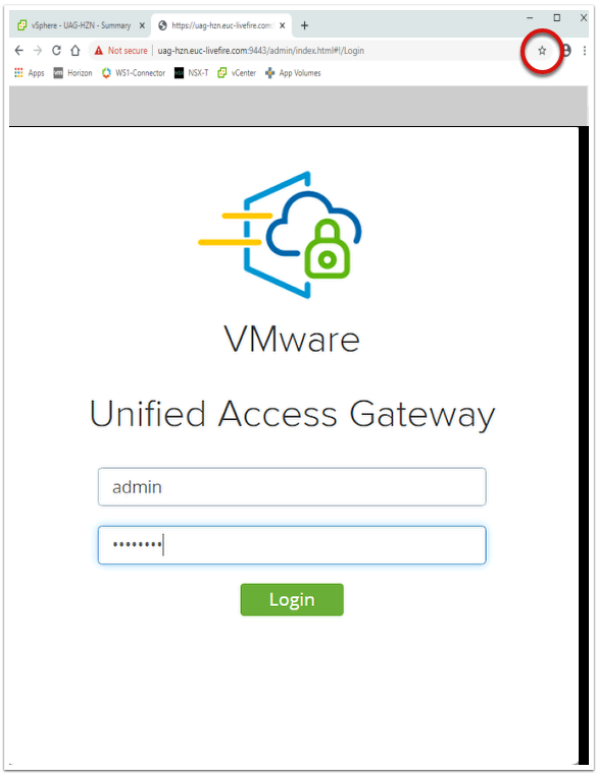
6. When prompted to
   - Enter password for the **.pfx** type: **VMware1!,**
   - When prompted to **confirm** type **VMware1!** again.
   - When prompted the password for **administrator@vsphere.local**
     - Type **VMware1!**
   - When prompted for **fingerprint will be added to the known host file** type **yes**
   - ***Your virtual Appliance deployment will now start , it will take between 5 - 10min to deploy. Proceed to step 8***



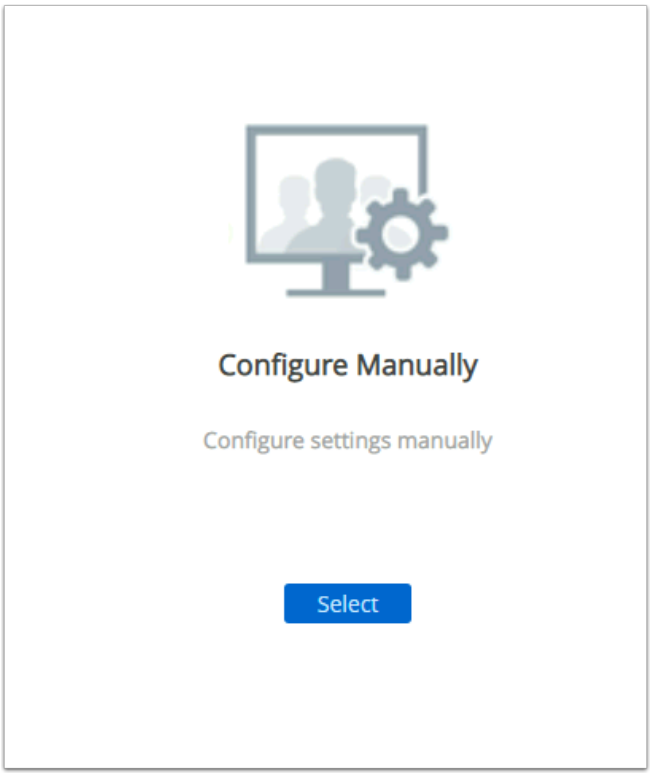
7. Review the deployment once the setup has completed



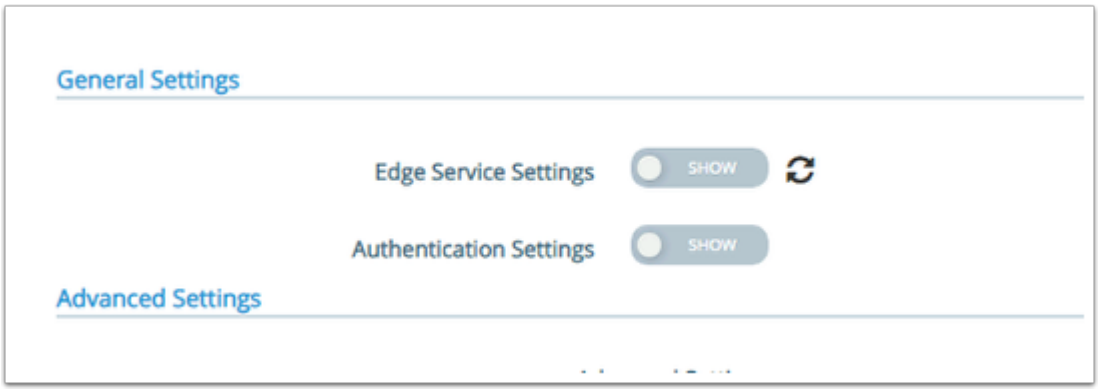
8. On your ControlCenter server
   - Open your **Chrome Browser.** Select the **vCenter** shortcut
     - Login as **administrator** with the password **VMware1!**
     - Select the **Host & Clusters** Icon
     - In **Host & Clusters,** expand the **inventory** under **RegionA01-COMP01**
   - Switch Back to your Powershell window to check if the deployment has completed.



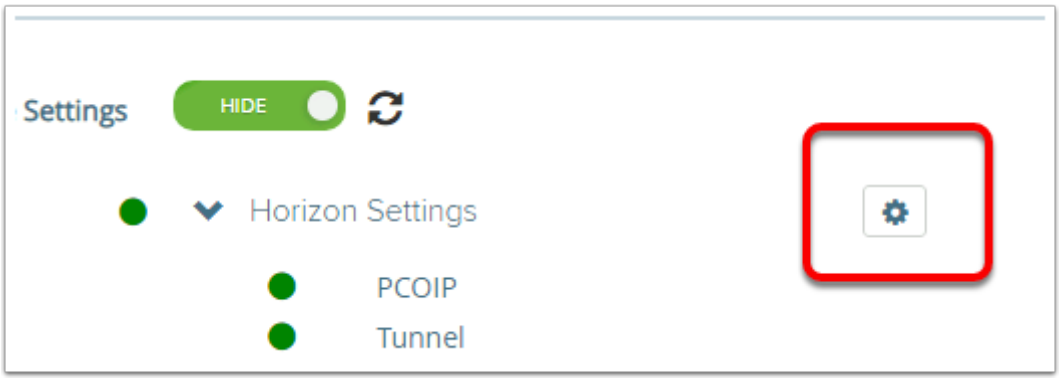
9. On your **ControlCenter** server
   - On your **Chrome Browser** open a **new Tab**
   - Enter the following URL into the address bar
     - **https://uag-hzn.euc-livefire.com:9443/admin/index.html#!/Login**
   - In the right of your Chrome Browser . Add the following URL as Favourite in your Bookmarks, by selecting the **STAR.**
   - Login to your UAG server by entering the following
     - **Admin Username** : **admin**
     - **Admin Password: VMware1!**
     - Select **Login**



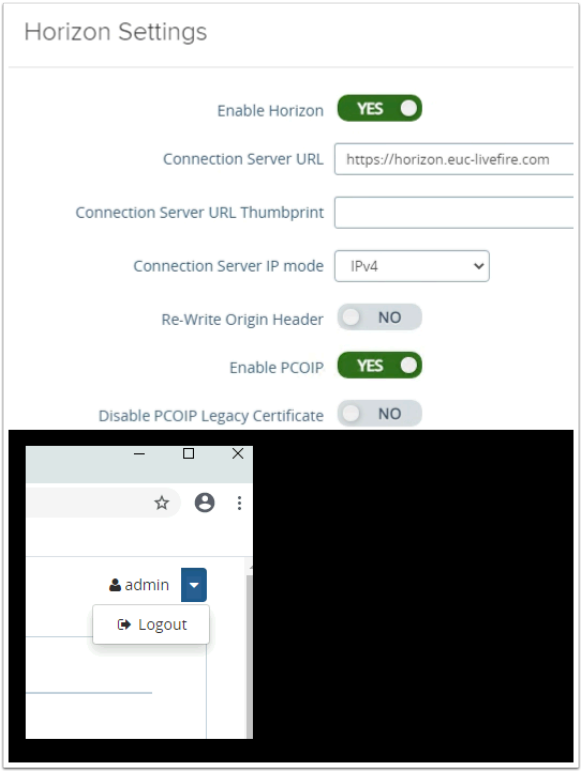
10. On your UAG Admin Console
    - Click the **Select** button under **Configure Manually**



11. On your UAG Admin Console
    - Under **General Settings**
      - Next to **Edge Service Settings**, move the **toggle** to the right



12. On your UAG Admin Console
    - To the right of **Horizon Settings**, select the **Gearbox**



13. In your UAG Admin Console
    - Under **Horizon Settings**
        - Browse and familiarize yourself with config, we will be changing some of the settings in a future exercise
            - **Logout** from the UAG Admin Console

This concludes the deployment of the Unified Access Gateway using a Powershell Script

About the Author

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