

Dynamic Environment Manager Integration with Workspace ONE UEM

For Dynamic Environment Manager to work effectively the client needs to have access to a Configuration archive for pre-defined configuration and a Profile archive for individual user configurations.

We now support the delivery of the Configurations to end-points using Workspace ONE UEM.

We now support the storing to the users individual configuration online using Microsoft ONEDrive

- This Lab is dedicated to delivering and managing the Dynamic Environment Manager Configuration using with Workspace ONE UEM
- This Lab is dedicated to delivering and managing the Dynamic Environment Manager Archives using with Workspace ONE UEM and Microsoft ONE drive

Explaining the Scenario and Use Case

Where organization's have Windows 10 laptops enrolled into Workspace ONE UEM, Organizations have a wealth of potential to not only secure the Windows 10 platform but also enhance the User Experience.

On occasion these users might sometimes be using their enrolled laptop and then using the Horizon Desktop.

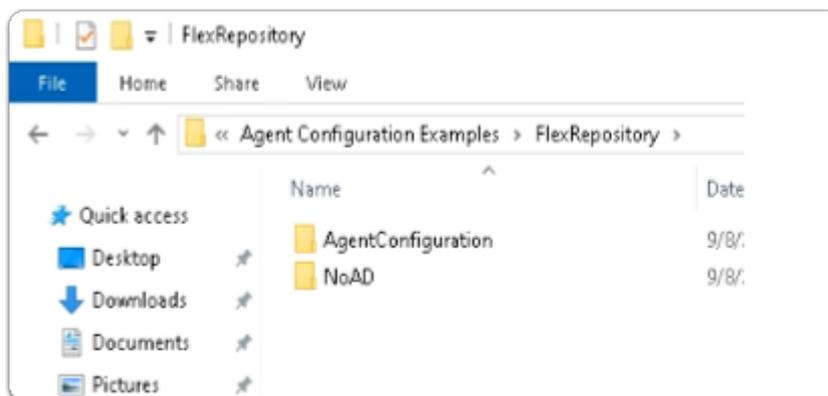
Being able to offer the same desktop settings and configurations irrespective of whether the user is on Laptop or Horizon Desktop is a feature customers have been asking for.

At the end of the next two labs you will see how far VMware have progressed in the integration of these solutions and also at present what the limitations are.

Part 1: Preparation tasks for this lab

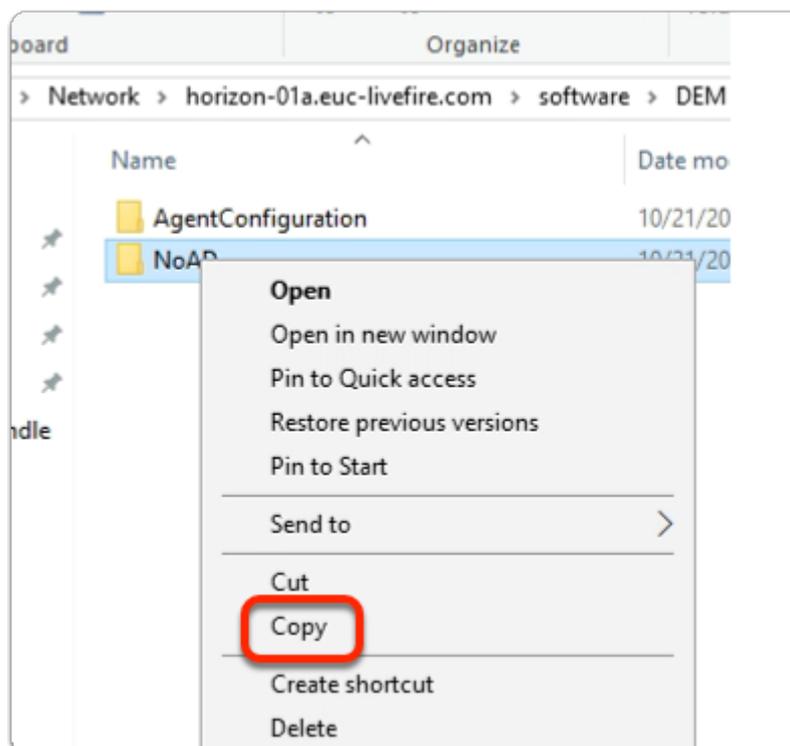
Section 1: Setting up NOAD Mode Mode in the Configuration folder

We have 3 sections in this lab



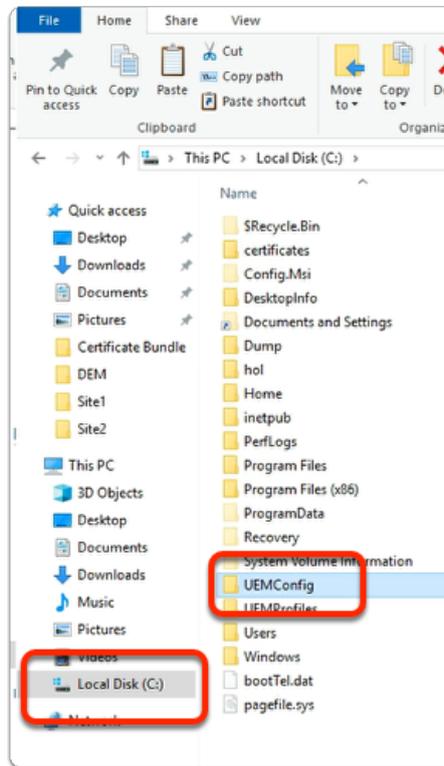
1. On your **ControlCenter** Server

- Open your **Software** shortcut
- Browse to:-
 - **DEM > VMware-DEM-Enterprise-2209-10.7-GA > Agent Configuration Examples > FlexRepository**



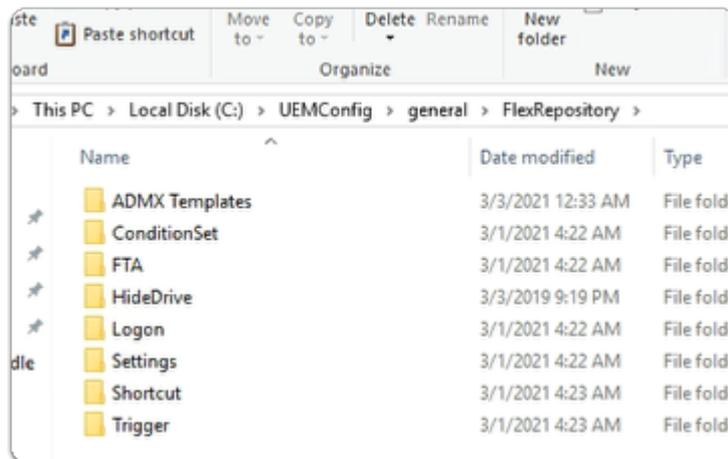
2. In the **FlexRepository** folder

- Select the **NoAD** folder
- Select **Copy**



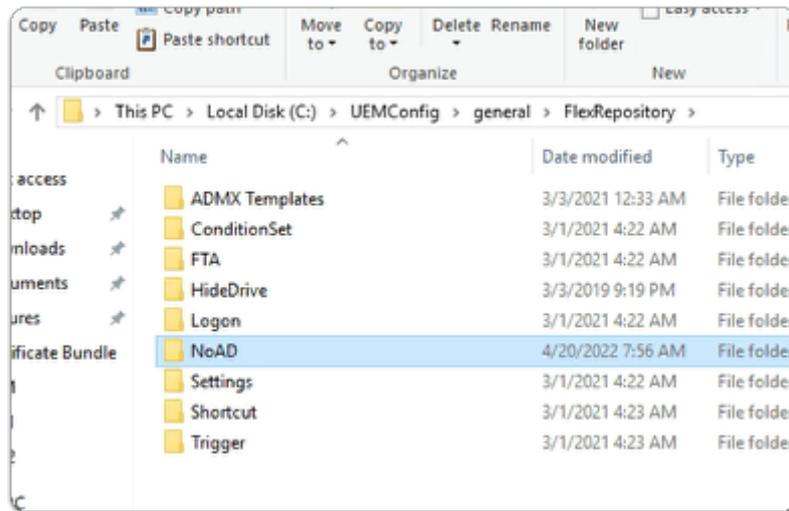
3. In the **File Explorer** folder

- In the **QuickAccess** bar
 - Select **Local Disk (C:)**
 - In **Local Disk (C:)**
 - Select and Open **UEMConfig**

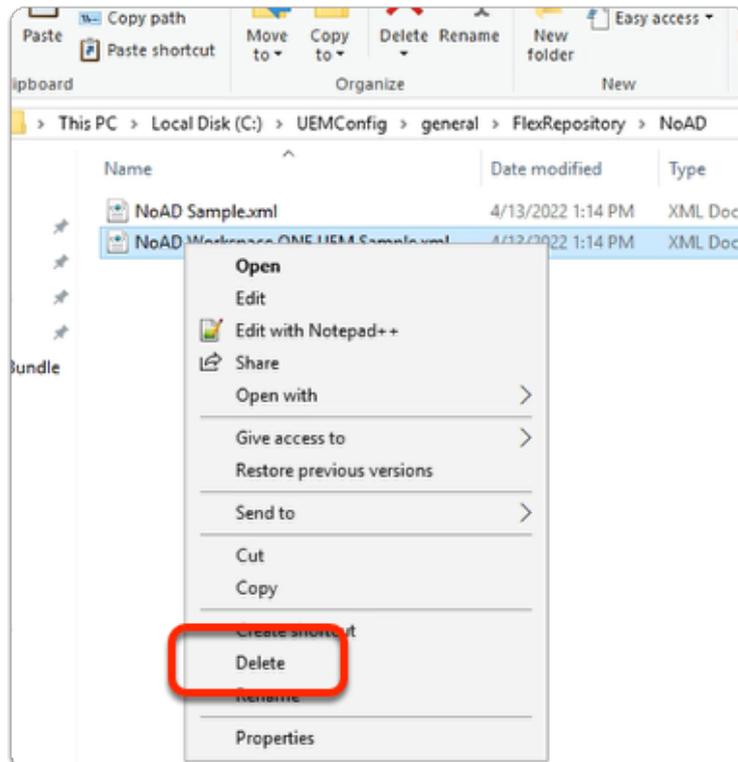


4. In the **UEMConfig** folder

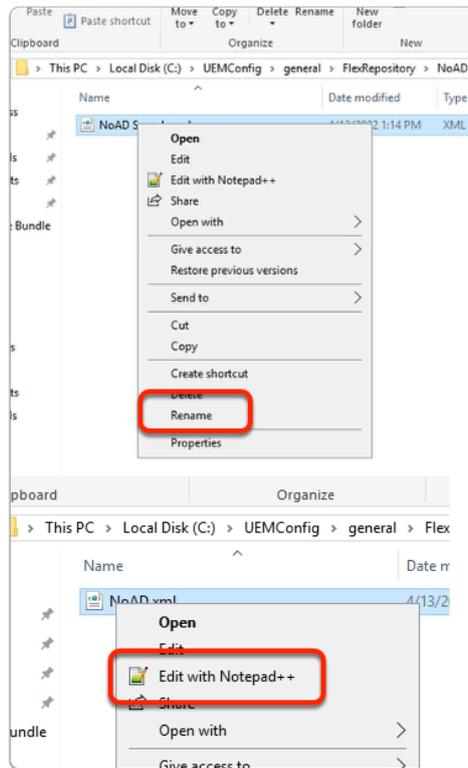
- Browse to **general > FlexRepository**



- In the **FlexRepository** folder
 - **Paste** the **NoAD** folder
 - **Select** and **Open** the **NoAD** folder

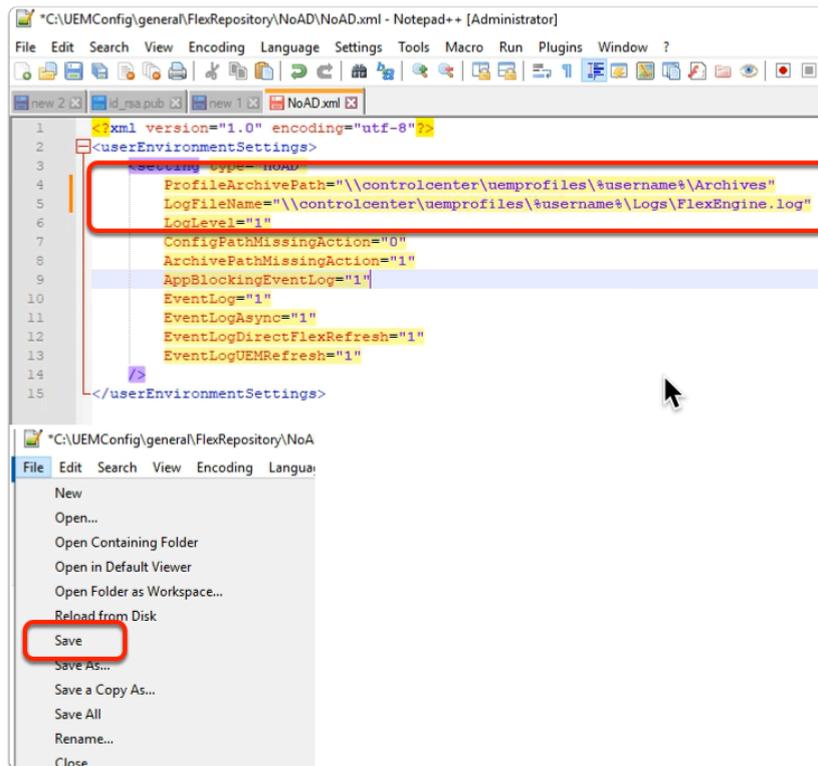


- In the **NoAD** folder
 - Select the **NoAD Workspace ONE UEM Sample.xml** file
 - Select **Delete**



7. In the **NoAD** folder

- Select the **NoAd Sample.xml**
- Select **Rename**
- Rename to **NoAD.xml**
- Select the **NoAD.xml** file
 - Select **Edit with Notepad++**



8. In the **NoAD.xml** file

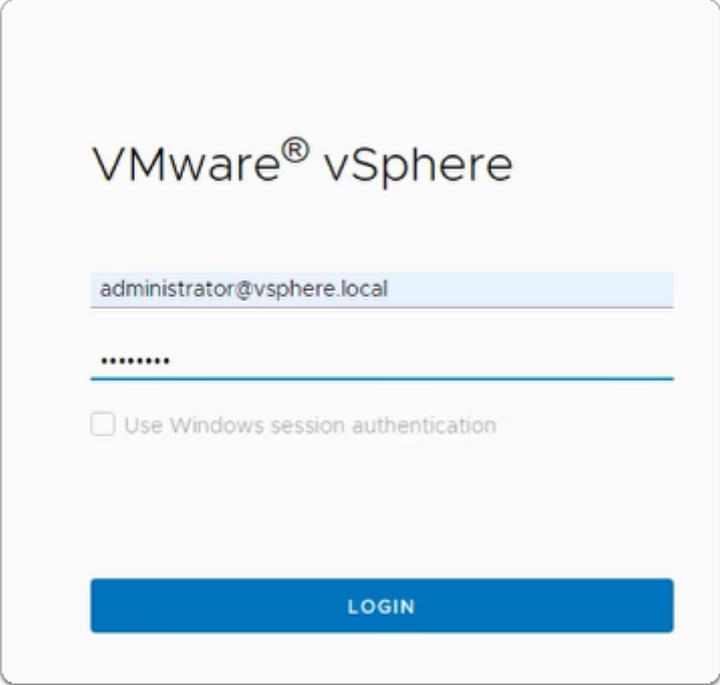
- Edit the following:-
 - Replace the following: -
 - Next to:
 - **ProfileArchivePath=**
 - "\\controlcenter\uemprofiles\%username%\Archives"
 - **LogFileName=**
 - "\\controlcenter\uemprofiles\%username%\Logs\FlexEngine.log"
 - Select **File**
 - Select **Save**



Remember to **SAVE** your configurations you have made in Notepad ++

Section 2: Installing the FlexEngine in NOAD Mode

Step 1: Installing the FlexEngine in NOAD Mode for Site 1



VMware® vSphere

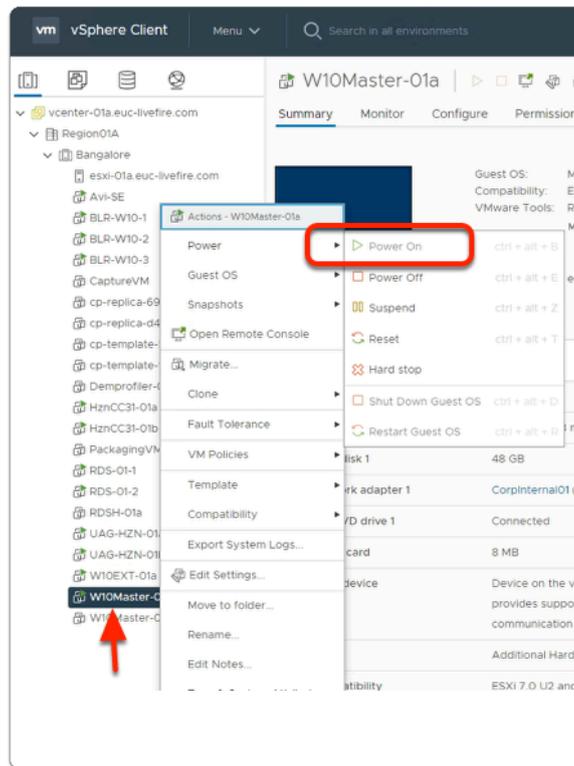
administrator@vsphere.local

.....

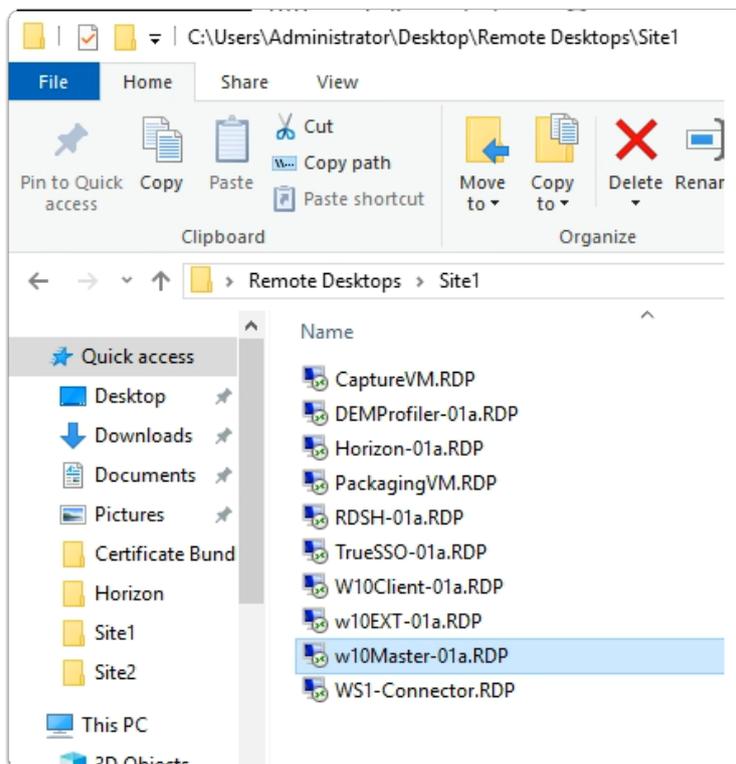
Use Windows session authentication

LOGIN

1. On your **ControlCenter** server
 - Open your **Site 1 Chrome** browser
 - On the **Favourites Bar**,
 - Select the **vCenter** shortcut
 - In the **VMware® vSphere** login page, login as
 - username: **administrator@vsphere.local**
 - password: **VMware1!**
 - Select **LOGIN**

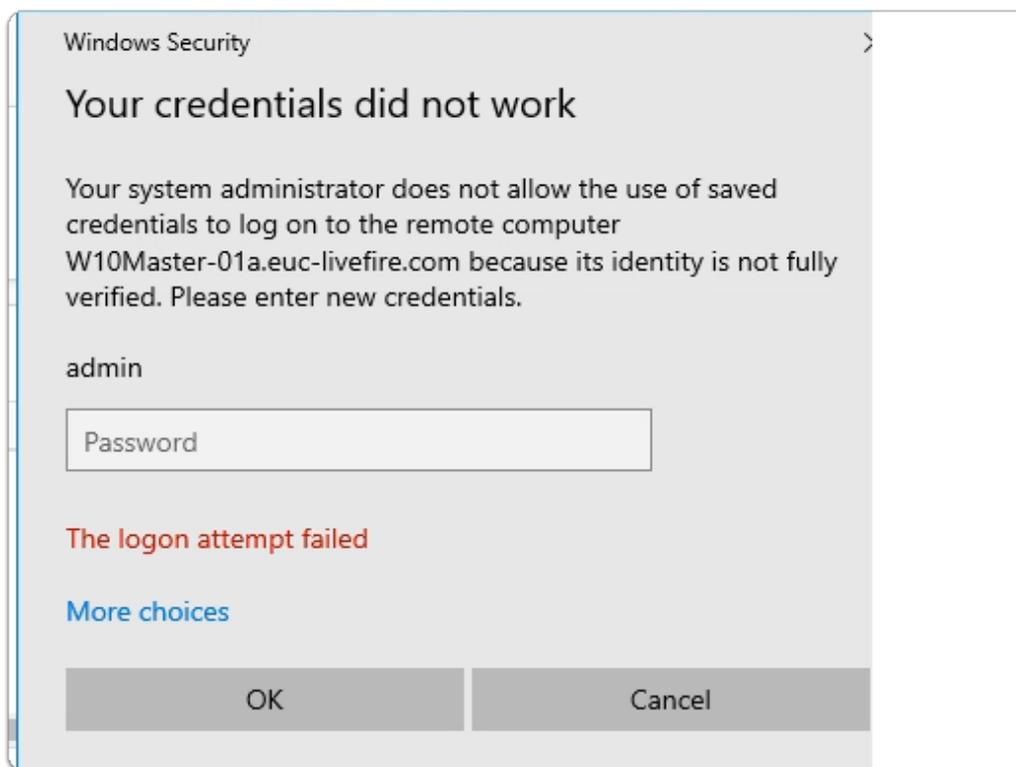


2. In the **vSphere Client admin Console**
 - In the **Hosts & Clusters Inventory**
 - Select and right-click **W10Master-01a**
 - Select **Power > Power On**



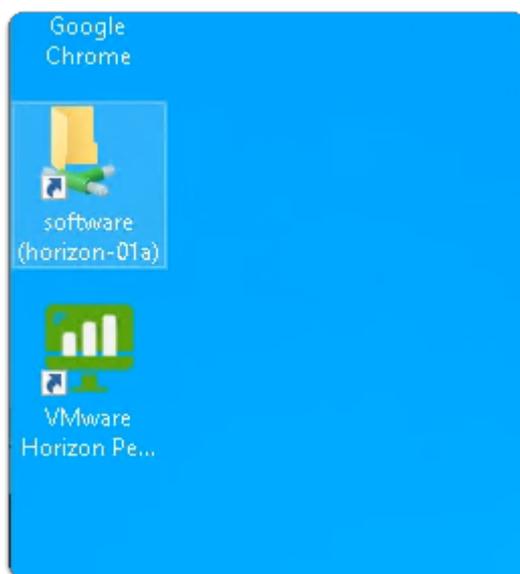
3. On the **ControlCenter Server Desktop**

- Open the **Remote Desktops** folder
 - Open **Site1** folder
- Select and launch the **W10Master-01a.RDP** shortcut

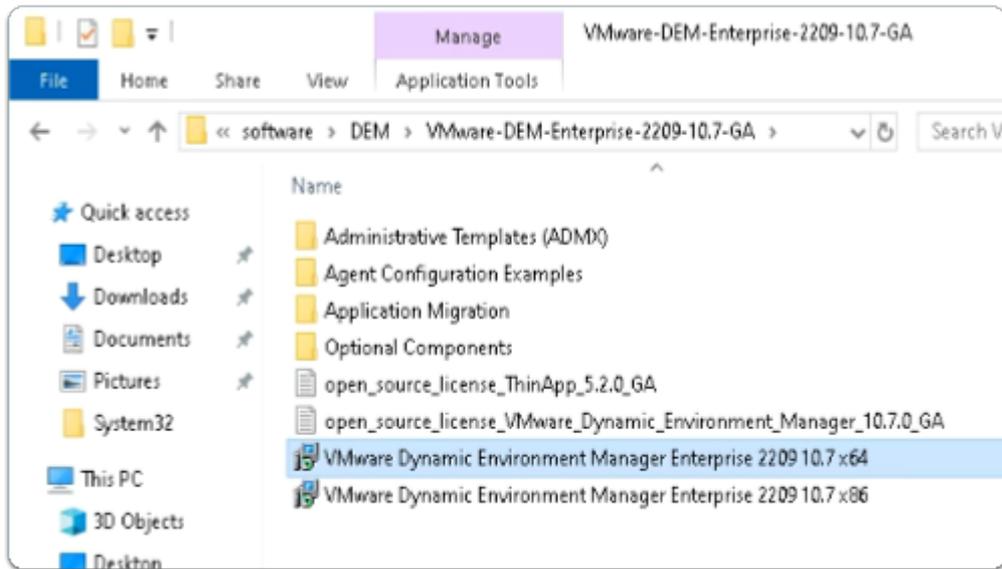


4. In the **Windows Security** page

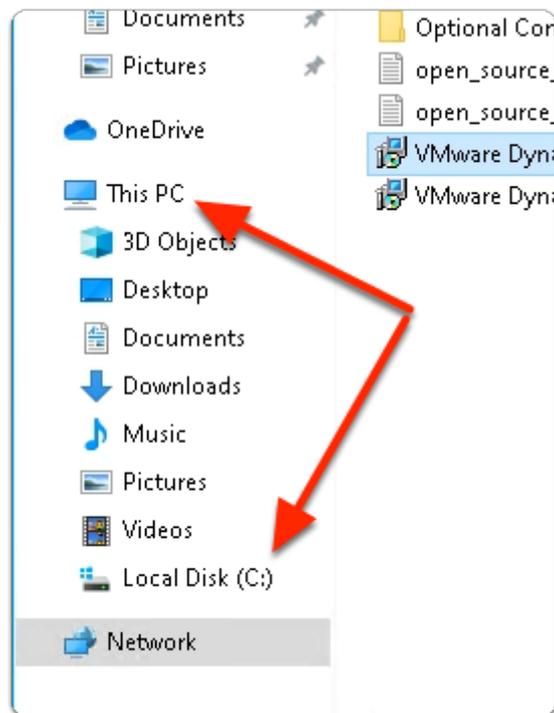
- Login as **Admin**
- In the **Password** area
 - enter **VMware1!**
- Select **OK**



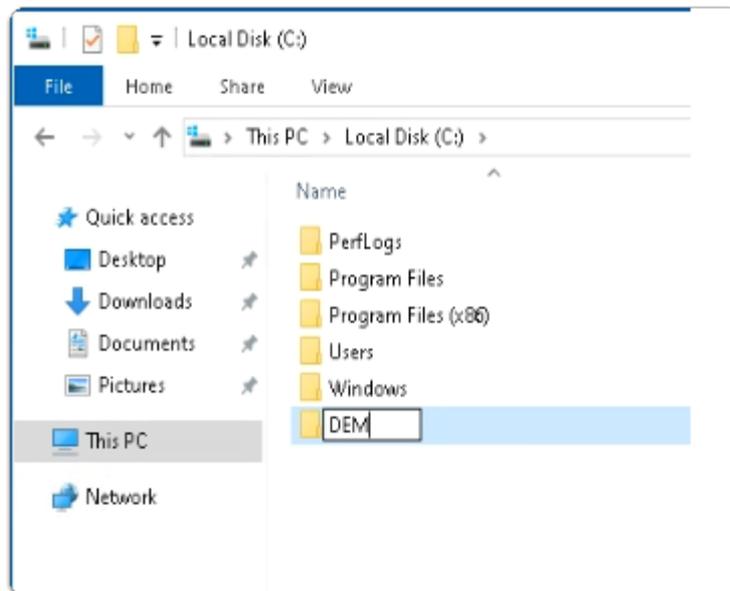
- On the **W10Master-01a** desktop
 - Select and open the **Software** shortcut



- Under **Software**
 - Open the **DEM > VMware-DEM-Enterprise-2209-10.7-GA** folder path
 - Select** and **Copy** the **VMware Dynamic Environment Manager Enterprise 2209 10.7 x64.msi**

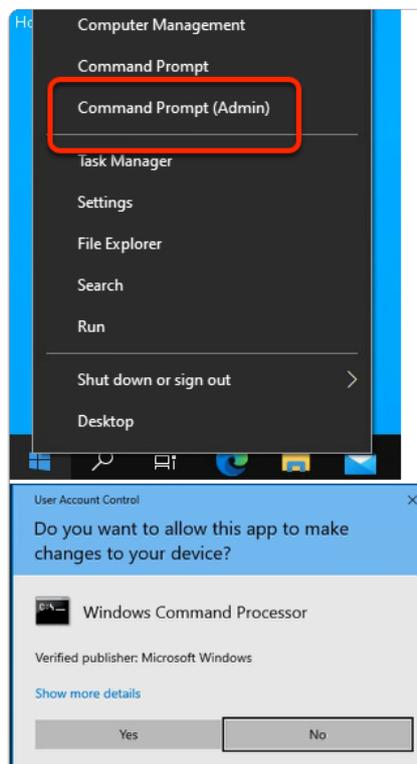


- In the **File Explorer** window
 - Expand **This PC**
 - Select **Local Disk(C:)**



8. In the **File Explorer** window

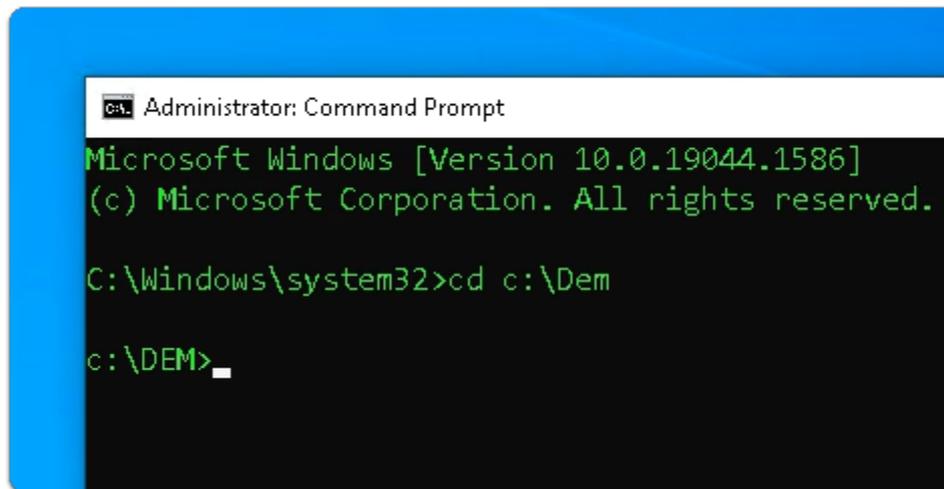
- In the **The Local Disk(C:)**
 - Create a Folder called **DEM**
 - **Open** the **DEM** folder
 - Paste the **VMware Dynamic Environment Manager Enterprise 2209 10.7 x64.msi**



9. On the **W10Master-01a** desktop

- Select and right-click the **START** button
 - Select **Command Prompt (Admin)**
 - In the **User Account Control** window

- select **Yes**



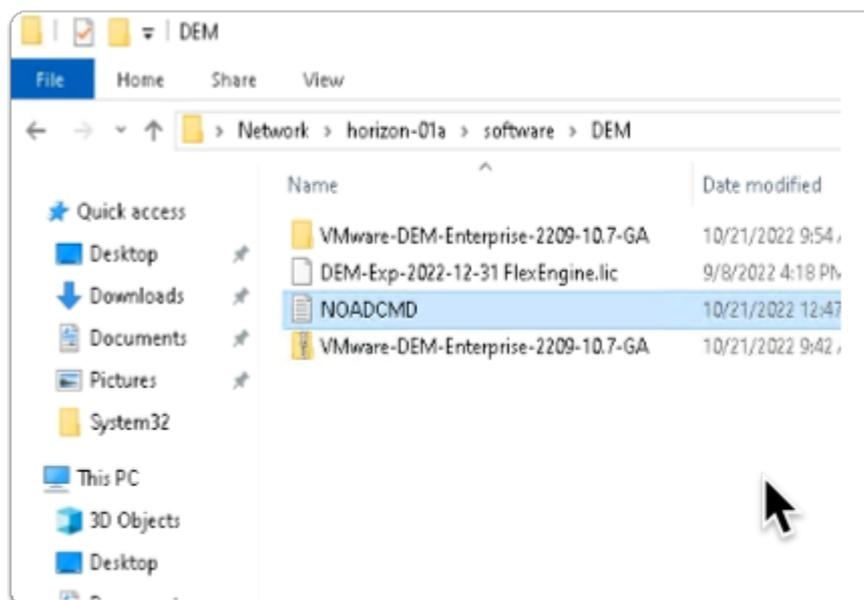
```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.19044.1586]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\system32>cd c:\Dem

c:\DEM>
```

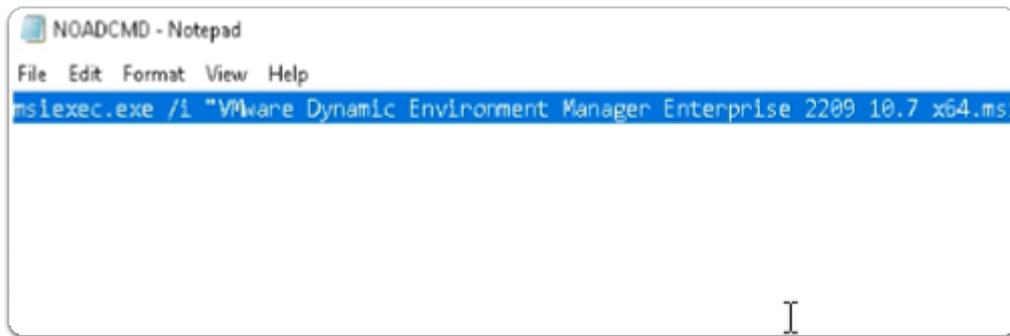
10. In the **Administrator: Command Prompt** window

- Enter **CD C:\DEM**
 - with your keyboard , select **ENTER**

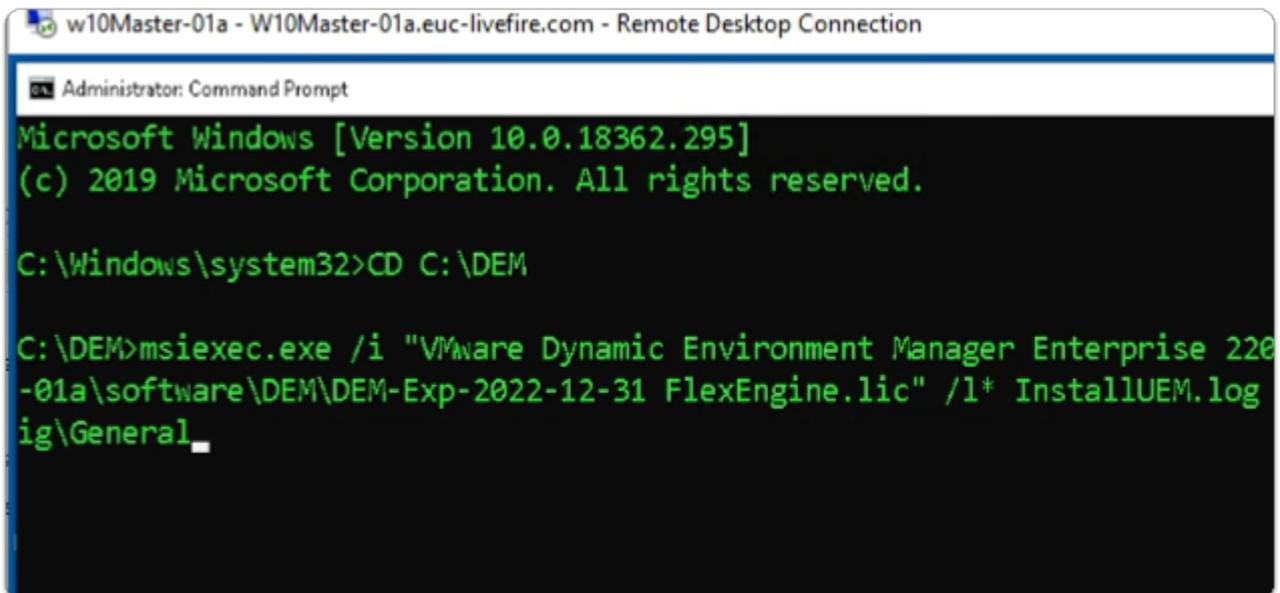


11. On the **W10Master-01a** desktop

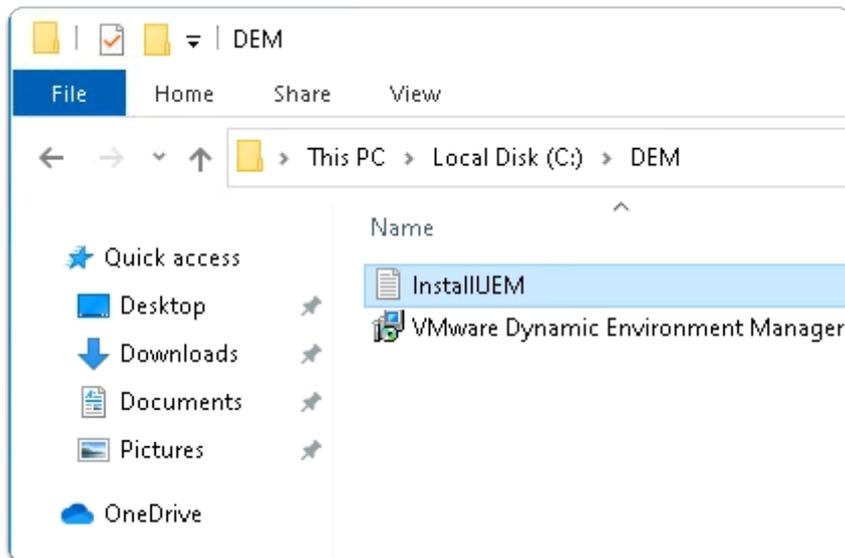
- **Select** and **open** the **Software \ DEM folder** path
- In the **DEM** folder
 - Select and Open **NOADCMD**



12. In the **NOADCMD - Notepad** window
- **Select** and **copy** the entire **code string**



13. On the **W10Master-01a** desktop
- **Switch back** to the **Administrator: Command Prompt**
 - **Paste** the copied into the Command Prompt interface
 - With your **keyboard**
 - Select **ENTER**



14. On the **W10Master-01a** desktop
- **Switch back** to the **File Explorer C:\DEM folder**
 - Open **InstallUEM**

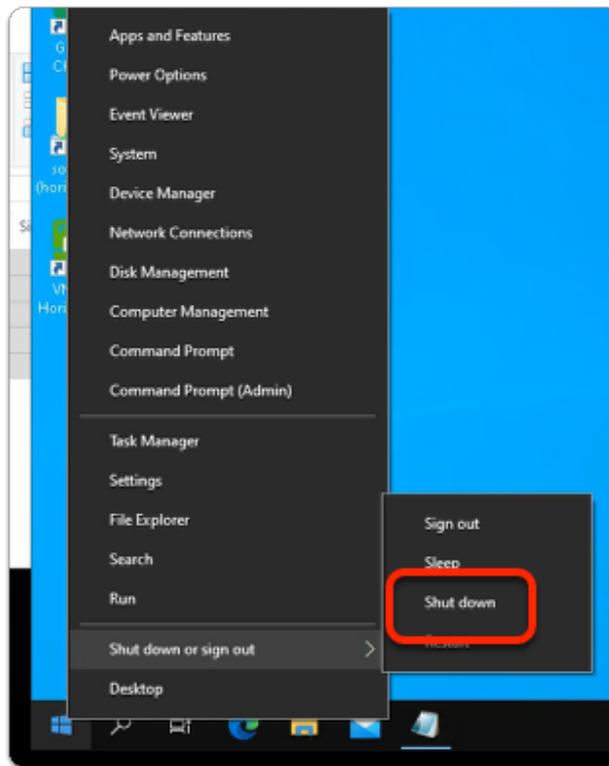
```
Windows\Installer\7ea4e.msi
= C:\DEM\VMware Dynamic Environment Manager Enterprise 2209 10.7 x64.msi

1
0
e = 0
eAvailable = 0
eRequired = 0
eRemaining = 0

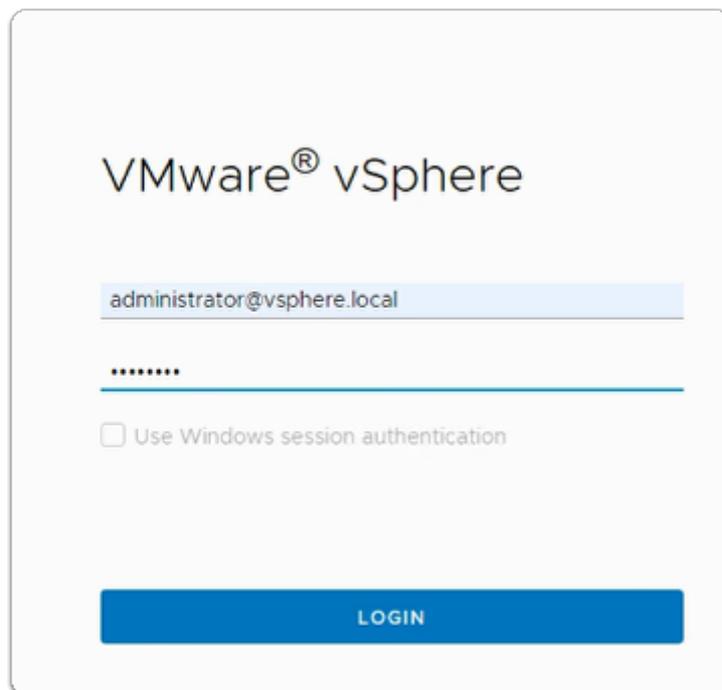
M\
= {2C2D2EDA-64F5-492B-8E57-DB00B3FF7A22}
ered = 1
: Product: VMware Dynamic Environment Manager Enterprise -- Installation completed successfully.
: Windows Installer installed the product. Product Name: VMware Dynamic Environment Manager Enterprise. Pr

2 15:10:52 ===
```

15. In the **InstallUEM - Notepad** window
- Scroll down note whether your **installation was completed successfully**

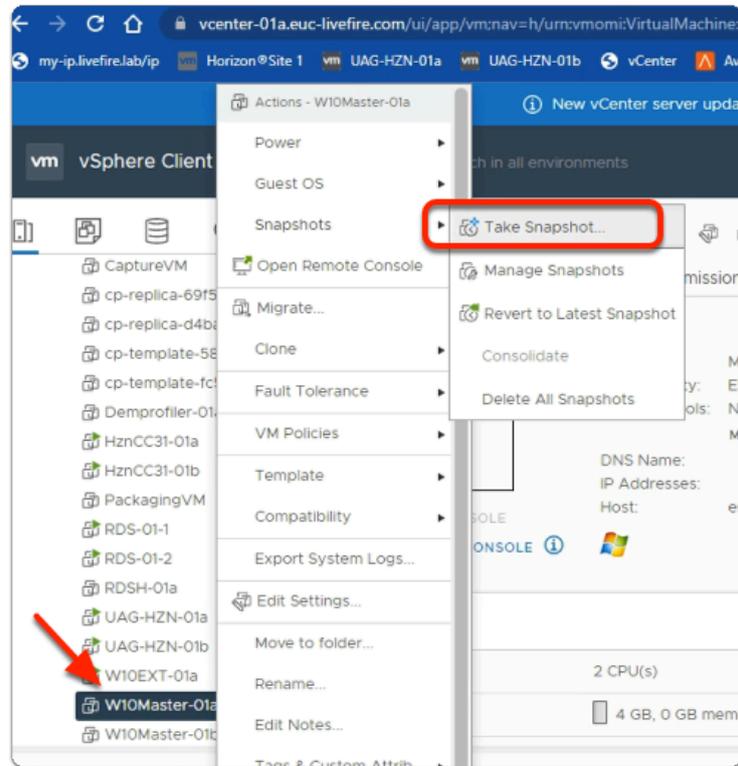


16. On the **W10Master-01a** desktop
- **Close** All Windows
 - **Select** and **right-click** the **START** Button
 - Select **Shut down or sign out** > **Shut down**

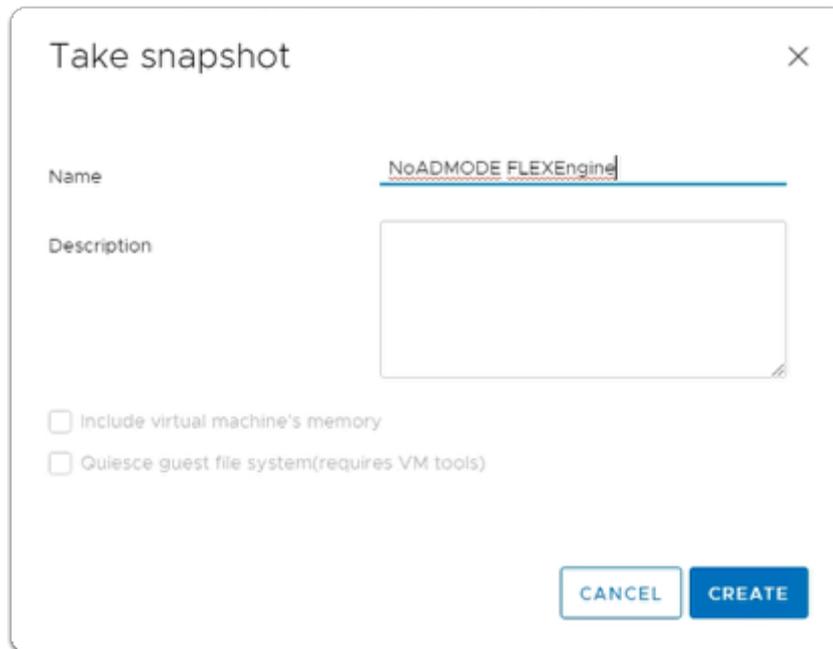


17. On your **ControlCenter** server
- Switch back to your **Site 1 Chrome** browser
 - Select the **vCenter** tab

- If necessary login again to the vCenter Admin page with the below credentials
 - login as
 - username: **administrator@vsphere.local**
 - password: **VMware1!**
- Select **LOGIN**

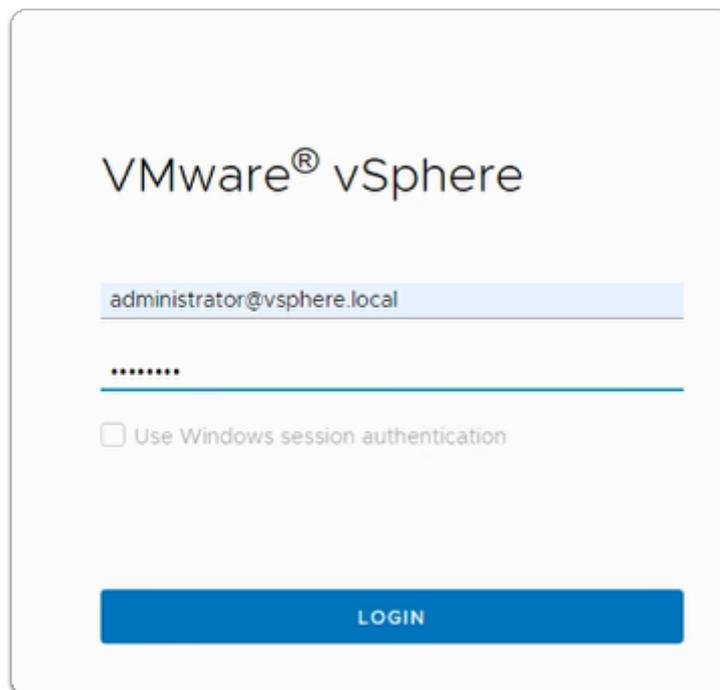


18. In the **vSphere Client admin Console**
- In the **Hosts & Clusters Inventory**
 - Select and right-click **W10Master-01a**
 - Select **Snapshots > Take Snapshot**



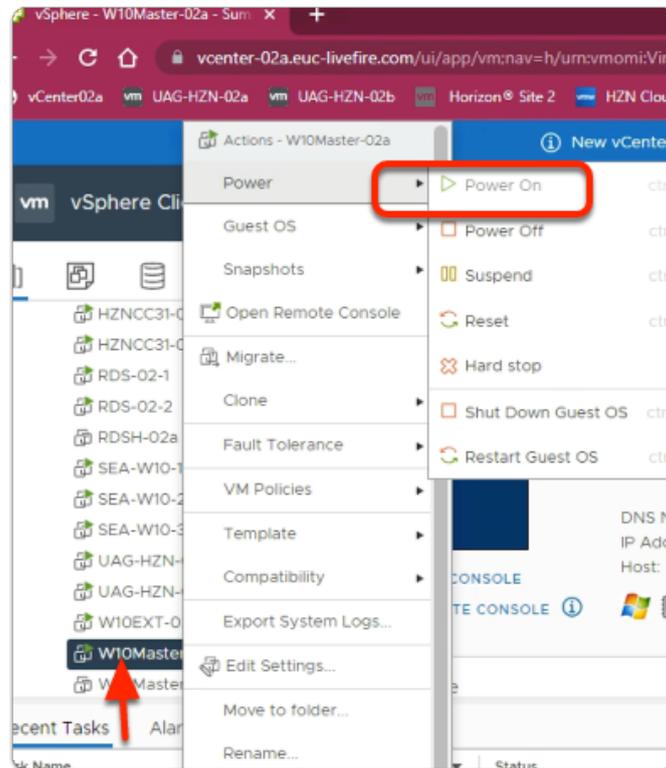
19. In the **Take snapshot** window
 - Next to **Name**
 - Enter **NoADMODE FLEXEngine**
 - Select **CREATE**

Step 2: Installing the FlexEngine in NOAD Mode for Site 2



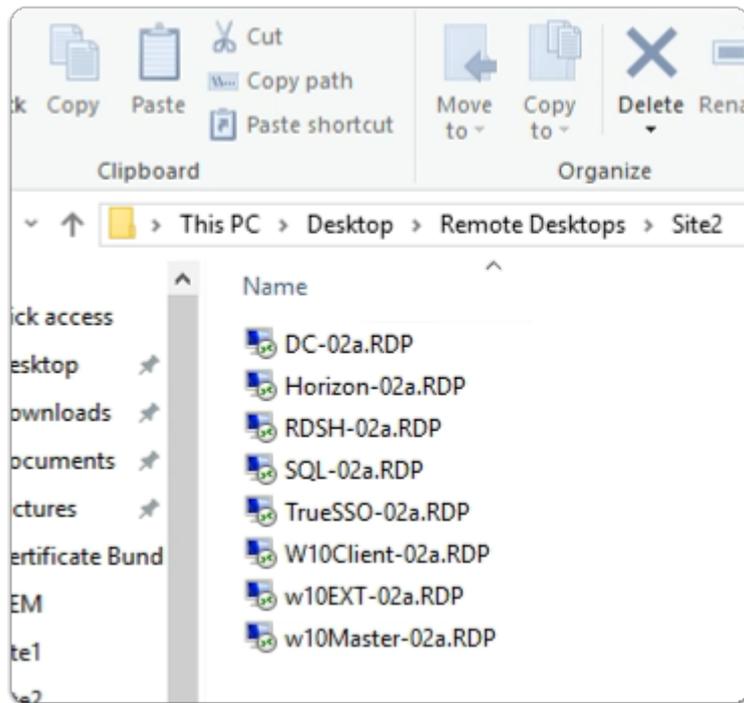
1. On your **ControlCenter** server
 - Open your **Site 2 Chrome** browser

- On the **Favourites Bar**,
 - Select the **vCenter** shortcut
 - In the **VMware® vSphere** login page, login as
 - username: **administrator@vsphere.local**
 - password: **VMware1!**
 - Select **LOGIN**



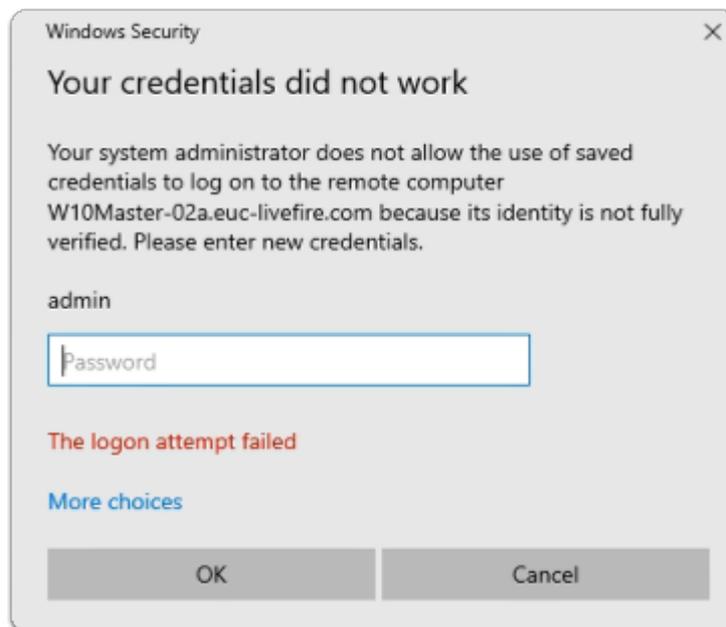
💡 Validate that w10Master-02a is powered on. If it is, skip step 2 and move on to step 3

2. In the **vSphere Client admin Console**
 - In the **Hosts & Clusters Inventory**
 - Select and right-click **W10Master-02a**
 - Select **Power > Power On**



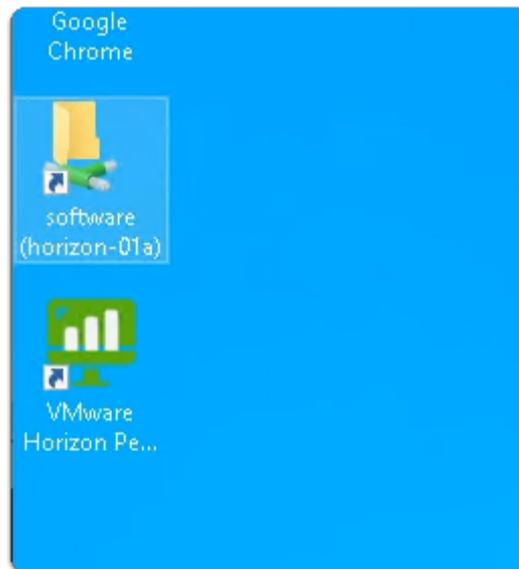
3. On the **ControlCenter Server Desktop**

- Open the **Remote Desktops** folder
 - Open **Site2** folder
- Select and launch the **W10Master-02a.RDP** shortcut

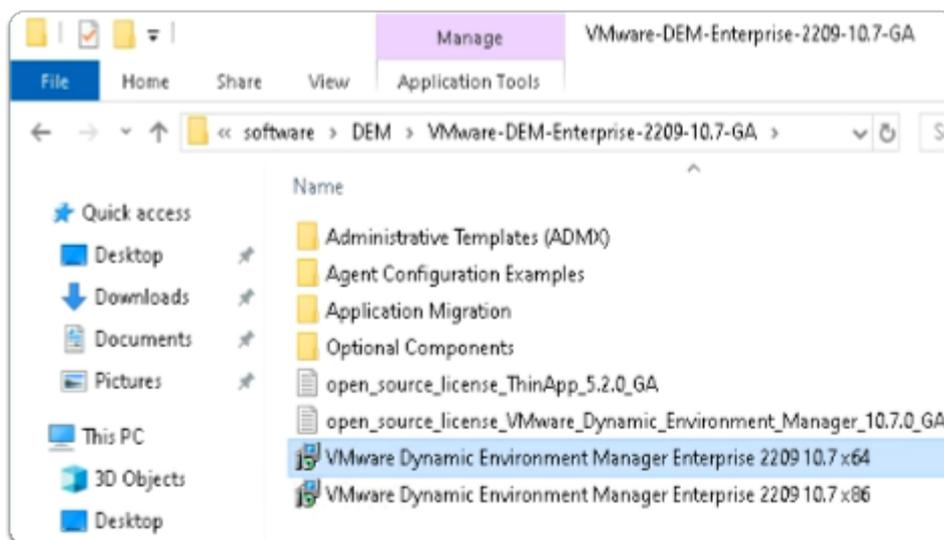


4. In the **Windows Security** page

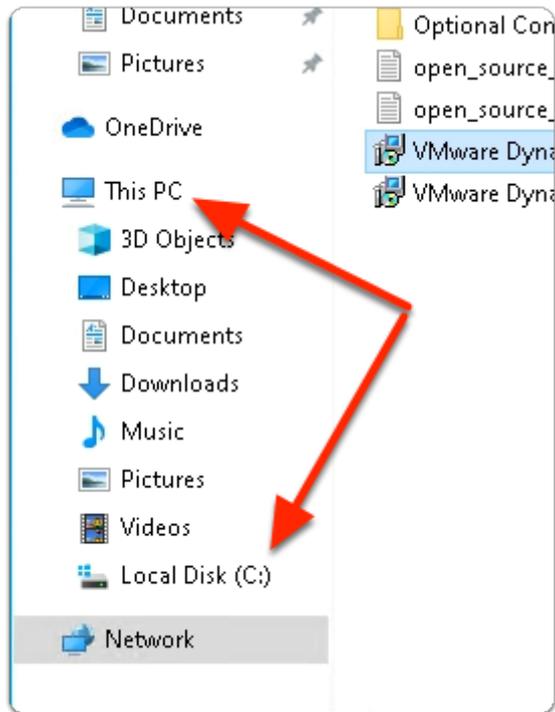
- Login as **Admin**
- For the **Password**
 - enter **VMware1!**
- Select **OK**



5. On the **W10Master-02a** desktop
 - Select and open the **Software** shortcut

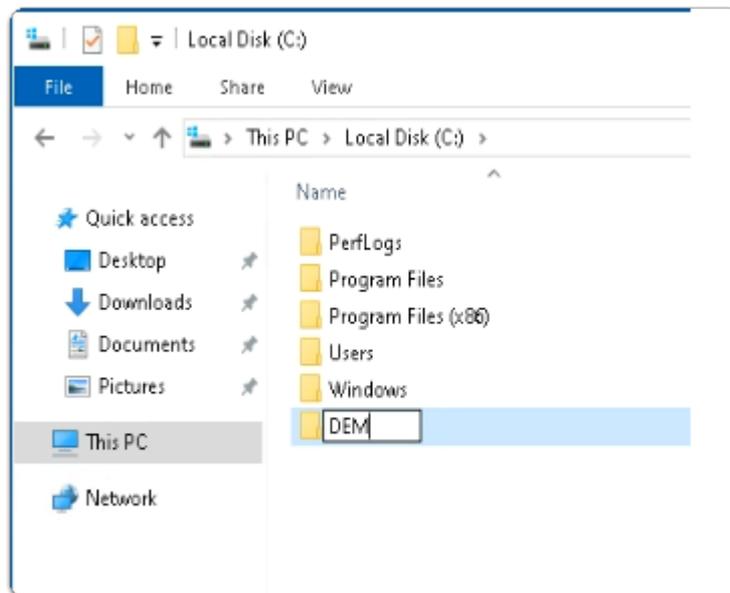


6. Under **Software**
 - Open the **DEM > VMware-DEM-Enterprise-2209-10.7-GA** folder path
 - **Select** and **Copy** the **VMware Dynamic Environment Manager Enterprise 2209 10.7 x64.msi**



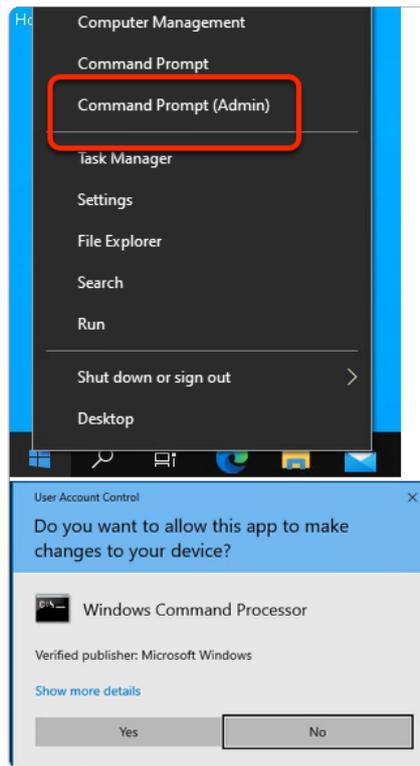
7. In the **File Explorer** window

- Expand **This PC**
- Select **Local Disk(C:)**

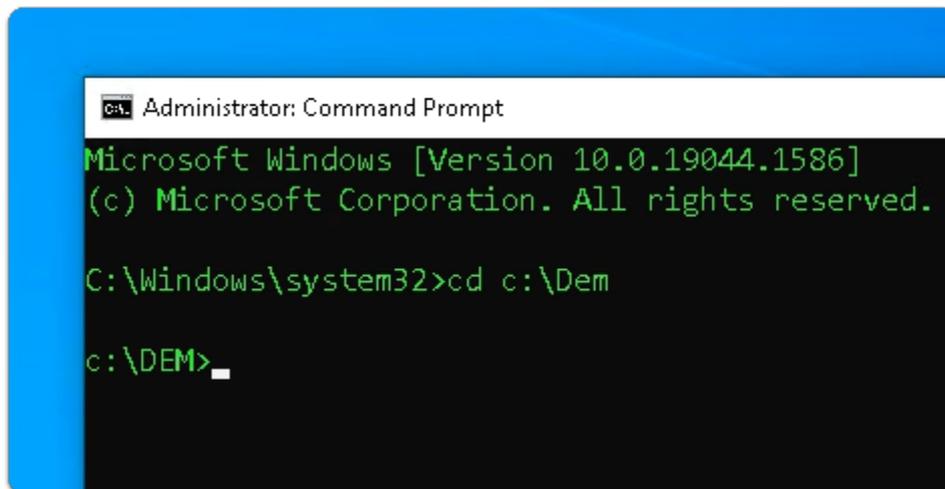


8. In the **File Explorer** window

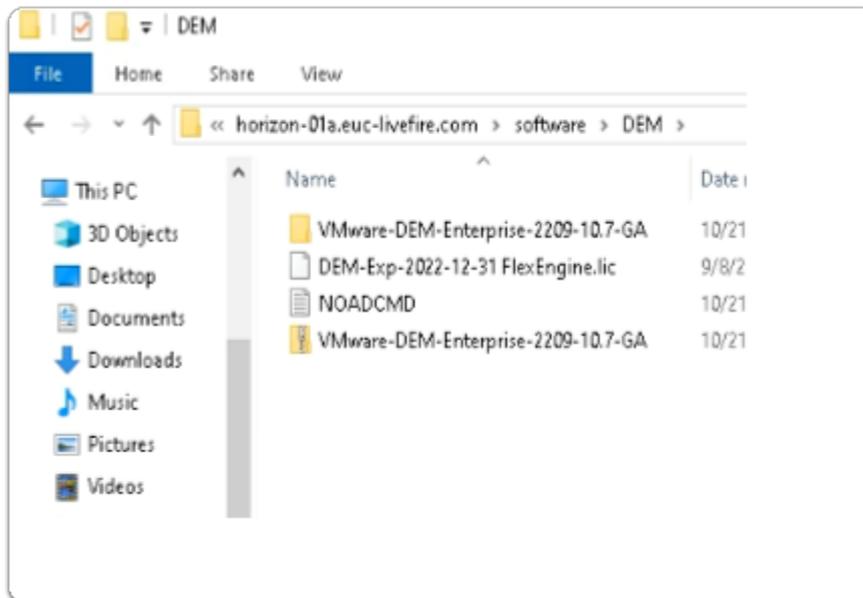
- In the **The Local Disk(C:)**
 - Create a Folder called **DEM**
 - **Open** the **DEM** folder
 - Paste the **VMware Dynamic Environment Manager Enterprise 2209 10.7 x64.msi**



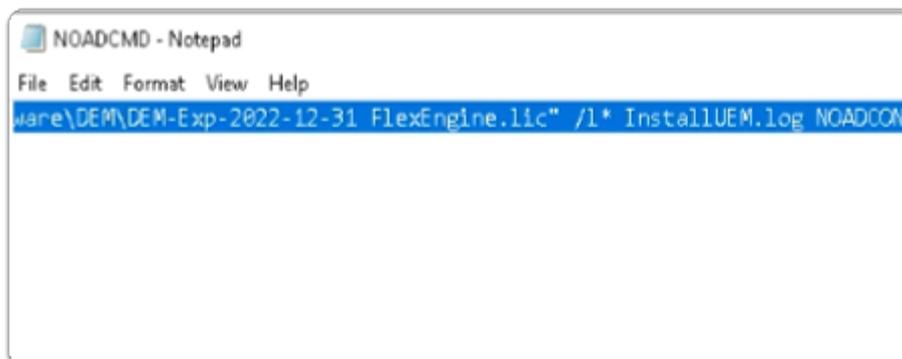
9. On the **W10Master-02a** desktop
 - Select and right-click the **START** button
 - Select **Command Prompt (Admin)**
 - In the **User Account Control** window
 - select **Yes**



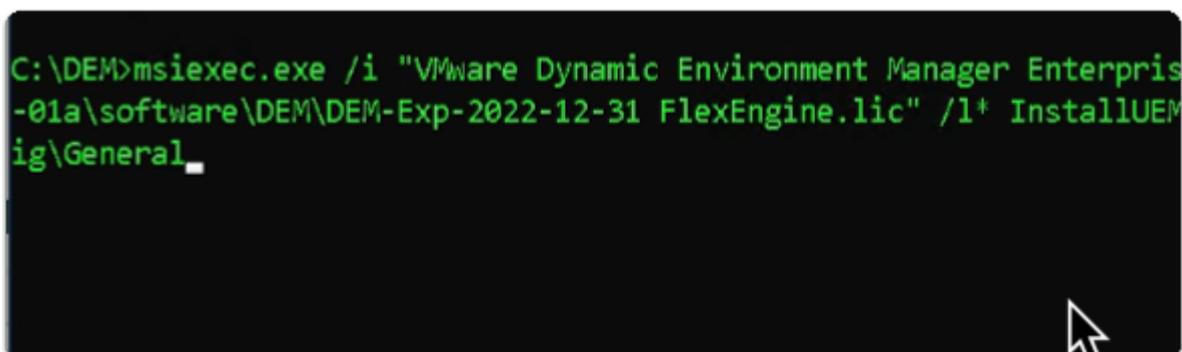
10. In the **Administrator: Command Prompt** window
 - Enter **CD C:\DEM**
 - with your keyboard , select **ENTER**



11. On the **W10Master-02a** desktop
- **Select** and **open** the **Software \ DEM** folder path
 - In the **DEM** folder
 - Select and Open **NOADCMD**

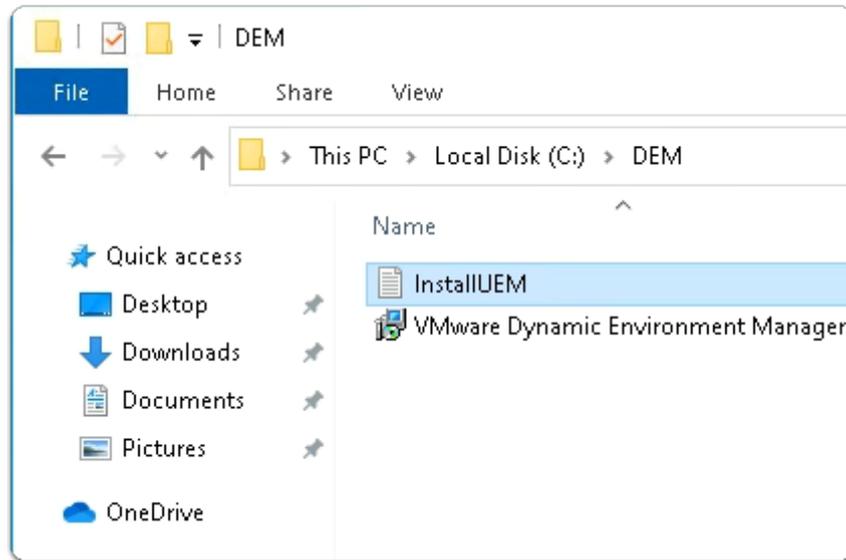


12. In the **NOADCMD - Notepad** window
- **Select** and **copy** the entire **code string**

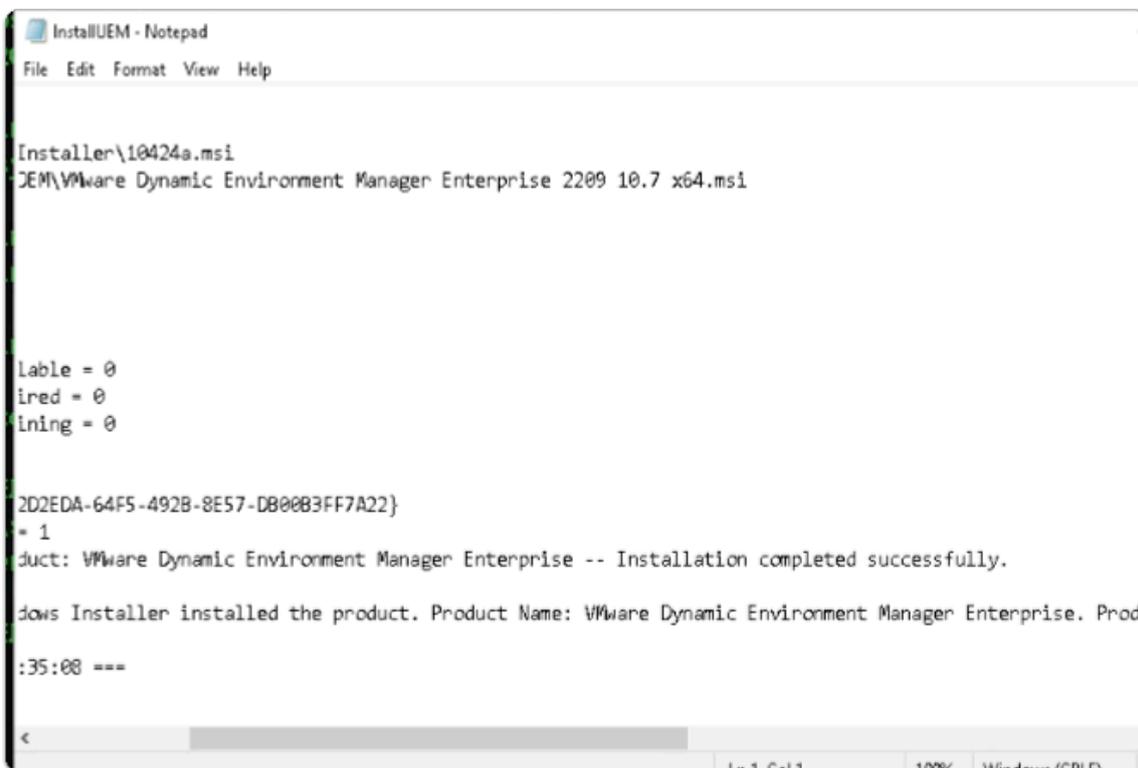


13. On the **W10Master-02a** desktop

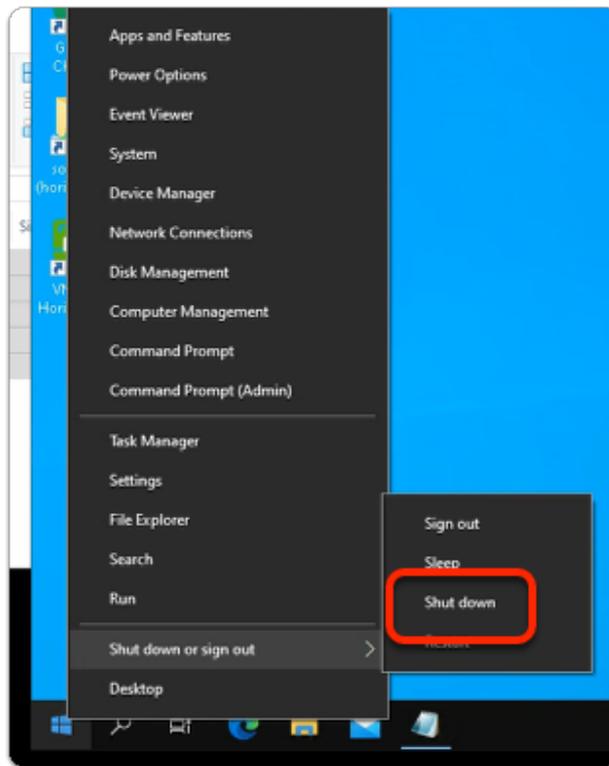
- **Switch back** to the **Administrator: Command Prompt**
 - **Paste** the copied into the **Command Prompt** interface
 - With your **keyboard**
 - Select **ENTER**



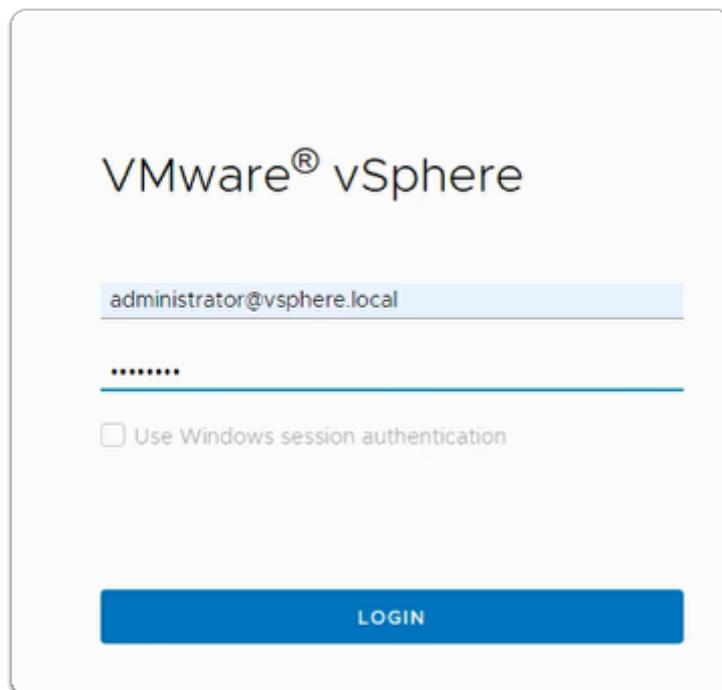
14. On the **W10Master-02a** desktop
 - **Switch back** to the **File Explorer C:\DEM folder**
 - Open **InstallUEM**



15. In the **InstallUEM - Notepad** window
 - Scroll down note whether your **installation was completed successfully**

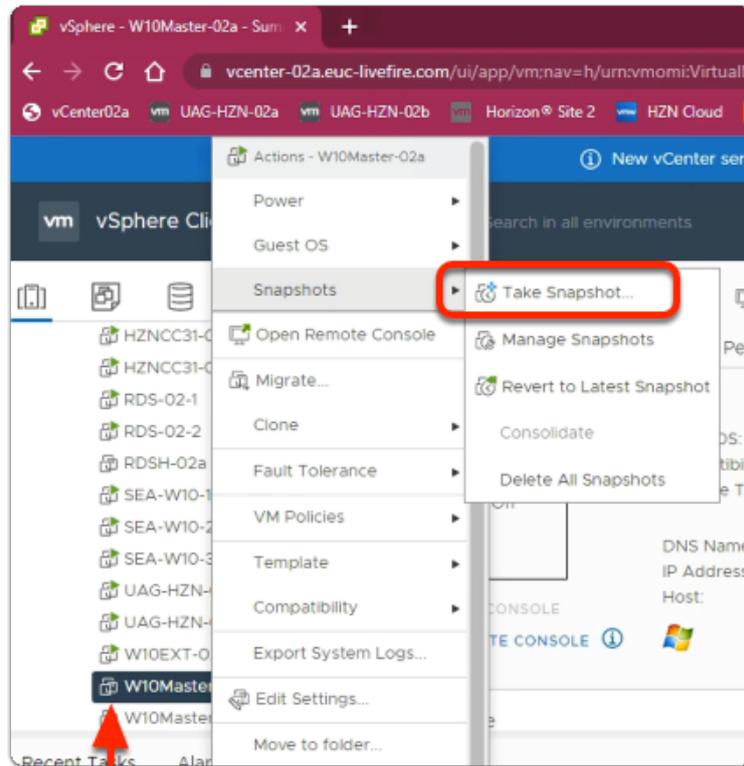


16. On the **W10Master-02a** desktop
- **Close** All Windows
 - **Select** and **right-click** the **START** Button
 - Select **Shut down or sign out** > **Shut down**

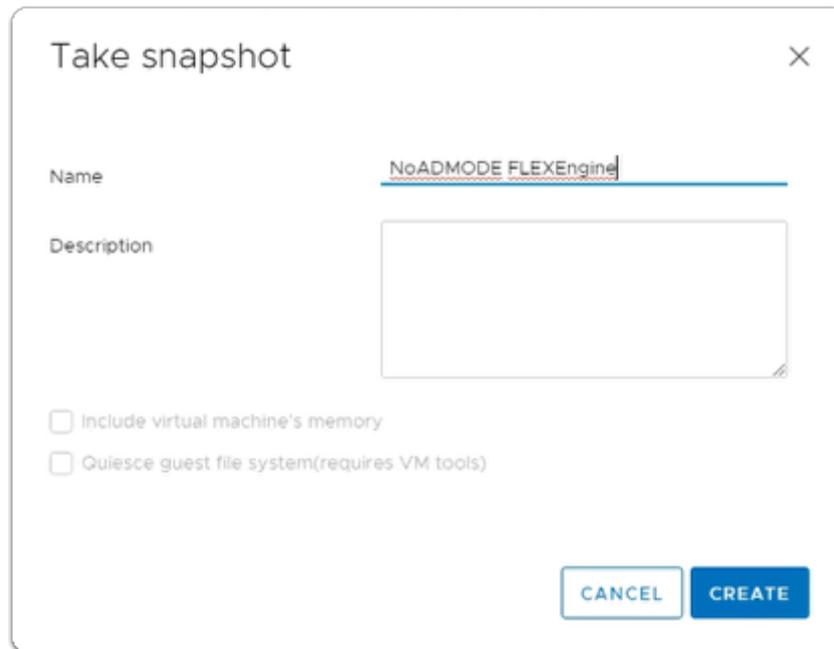


17. On your **ControlCenter** server
- Switch back to your **Site 2 Chrome** browser
 - Select the **vCenter** tab

- If necessary login again to the vCenter Admin page with the below credentials
 - login as
 - username: **administrator@vsphere.local**
 - password: **VMware1!**
- Select **LOGIN**



18. In the **vSphere Client admin Console**
- In the **Hosts & Clusters Inventory**
 - Select and right-click **W10Master-02a**
 - Select **Snapshots > Take Snapshot**

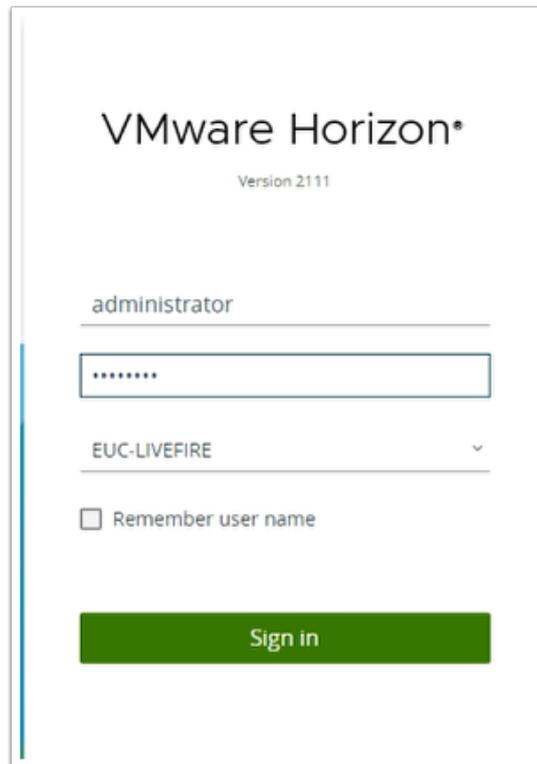


19. In the **Take snapshot** window
 - Next to **Name**
 - Enter **NoADMODE FLEXEngine**
 - Select **CREATE**

Section 3: Re-Provisioning the Horizon Desktop Pool

- i We will now be deploying the NOAD Mode Configured FlexEngine to desktops
The provisioning of the images can take up to 30 minutes.

Step 1: Re-Provisioning the Horizon Desktop Pool for Site 1



VMware Horizon®
Version 2111

administrator

.....

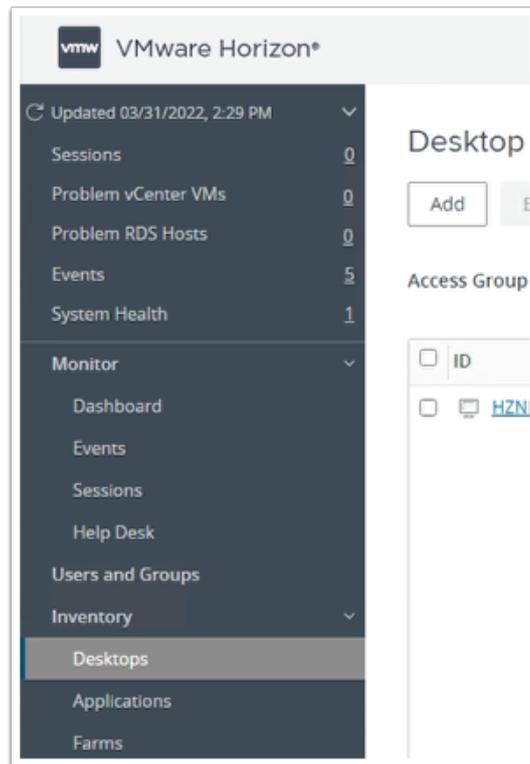
EUC-LIVEFIRE

Remember user name

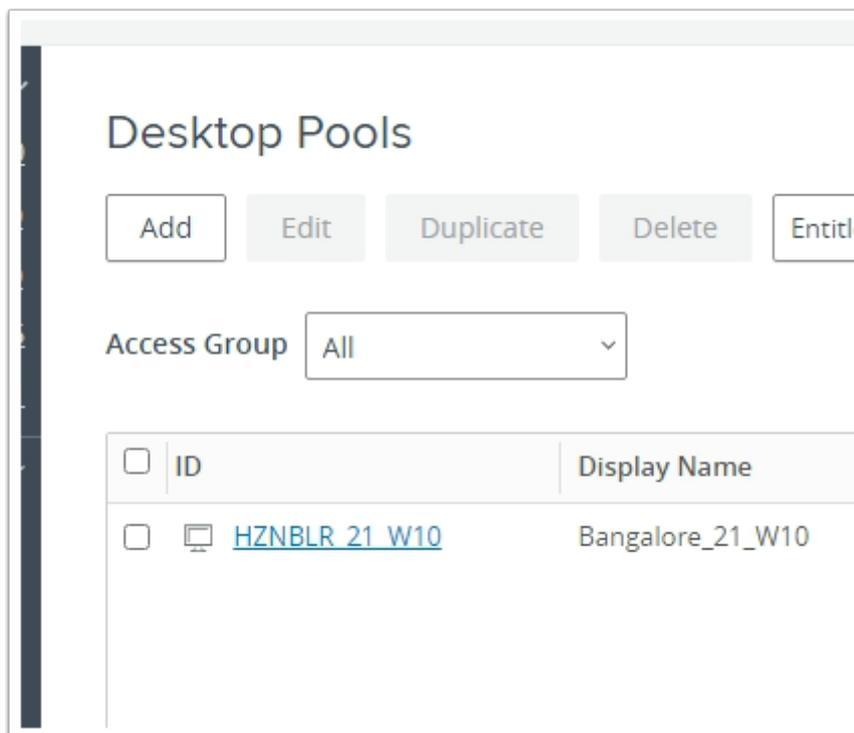
Sign in

1. On your **ControlCenter Server**

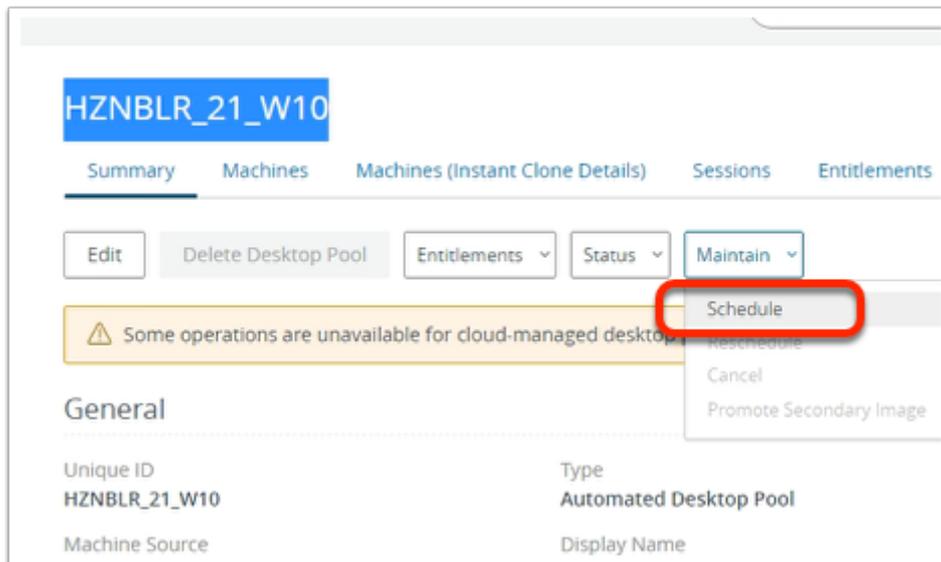
- On your Site 1 browser open a **new tab**
- In the **Favourites** bar, select the **VMware Horizon** shortcut
 - In the **Username** area, enter **Administrator**
 - In the **Password** are , enter **VMware1!**
- Select **Sign in**



2. In VMware Horizon Admin Console
 - In the left pane, expand **Inventory**
 - Select **Desktops**

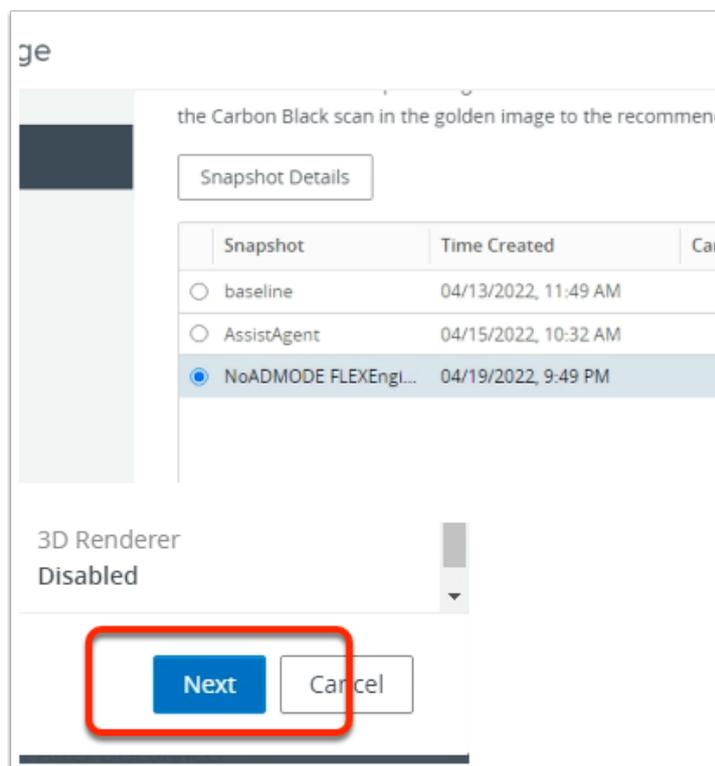


3. In the **Desktop Pools** area
 - Double click the **HZNBLR_XX_W10** desktop Pool configuration
 - Where **XX** is your assigned **POD ID**



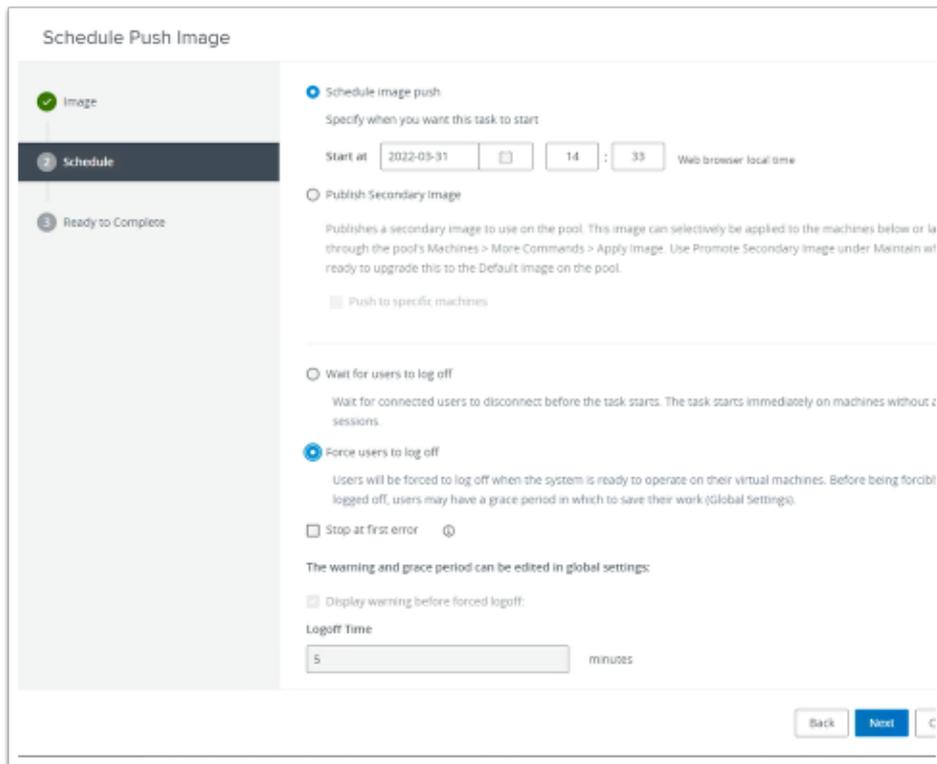
4. In your HZNBLR_XX_W10 desktop pool window

- Select the **dropdown** next to **Maintain**
- Select **Schedule**



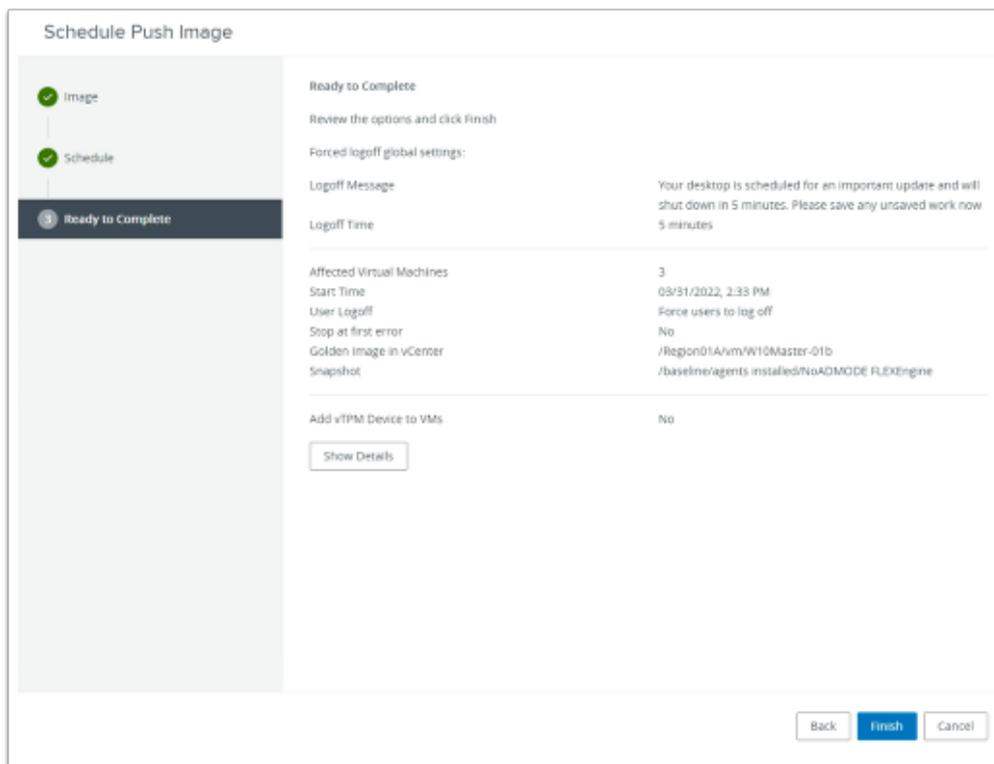
5. In the **Schedule Push Image** window

- Under **Snapshot Details**, **scroll down**
 - Next to the **NoADMODE FlexEngine** SnapShot
 - Select the **radio button** next
- In the bottom right corner
 - Select **Next**



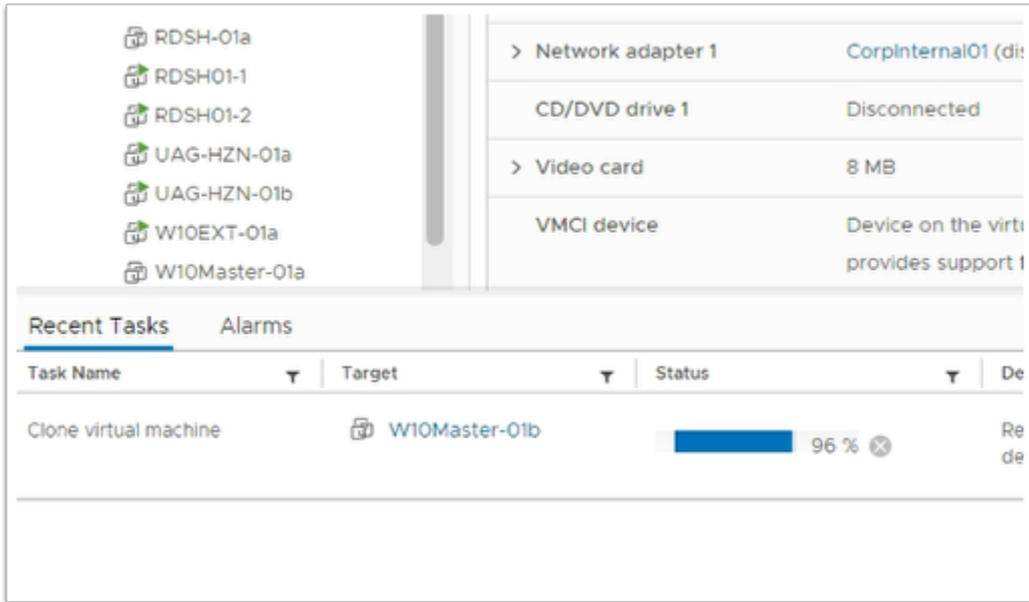
6. In the **Schedule** section of the **Schedule Push Image** wizard

- Select the **Force users to log off** radio button
- **Uncheck** Stop at first error
- Select **Next**



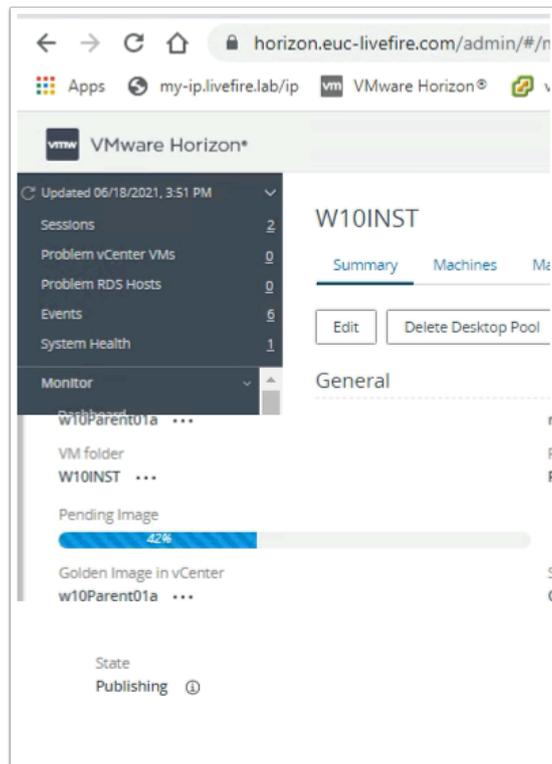
7. In the **Ready to Complete** section of the **Schedule Push Image** wizard

- Select **Finish**



8. On your **ControlCenter** server

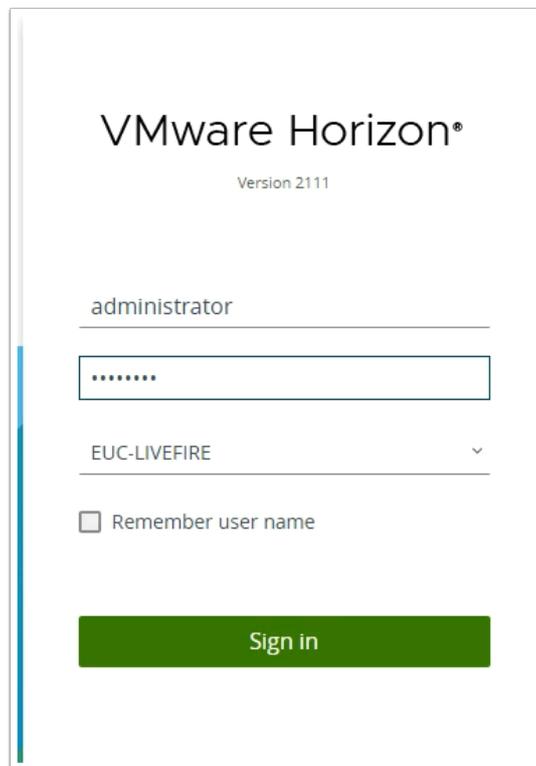
- Switch to your **vSphere Admin Console**
 - In the **Recent tasks**, you can observe the process of updating the Desktop pool
 - A new Hierarchy has to be created first
 - Starting with the **Template > Replica > Parent (depends) > Virtual Desktops**
 - **This will take approximately 30min**
 - The new Hierarchy has to be created first



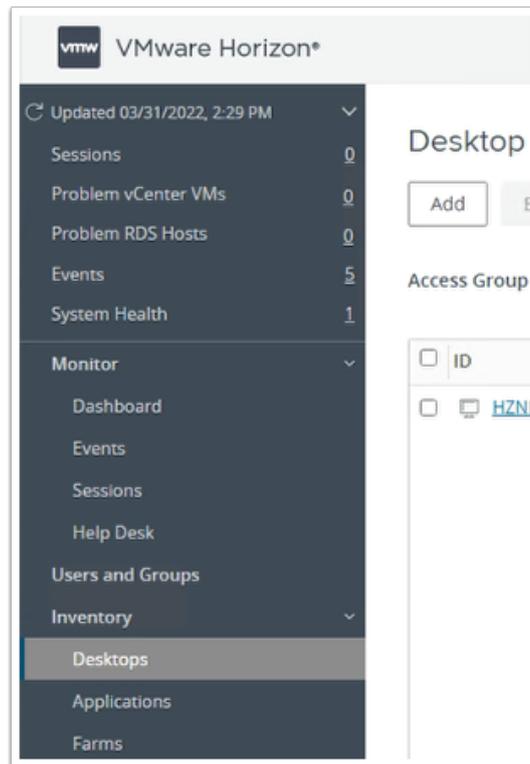
9. On your **ControlCenter** server
 - Switch to your **Horizon Admin Console**
 - On the Desktop Pool, ensure you are on the **Summary** Tab
 - Scroll down until you see **Pending Image**
 - To the right the State should report **Publishing**
 - Continue to monitor these two admin consoles
 - When the provisioning is finished the State should report **Published**

 In the meantime move on to Site 2 configuration

Step 2: Re-Provisioning the Horizon Desktop Pool for Site 2

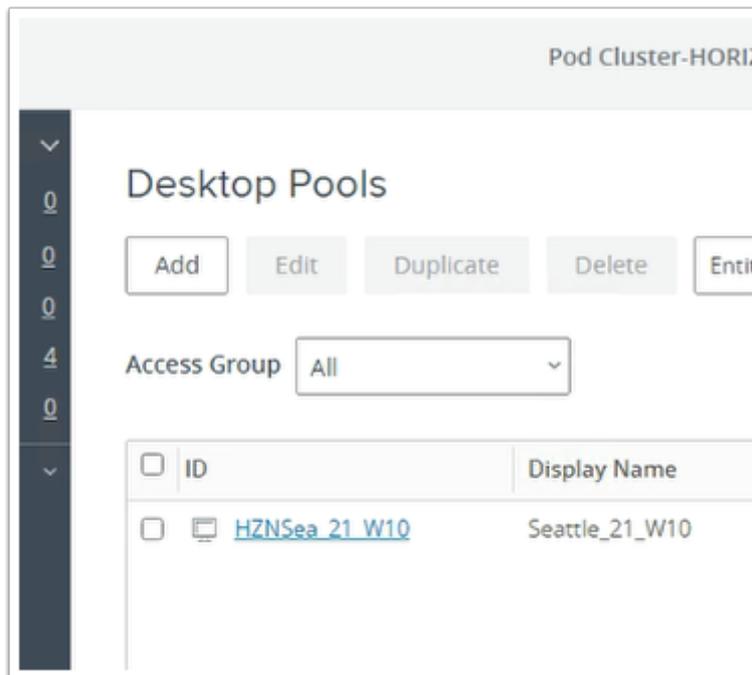


1. On your **ControlCenter Server**
 - On your **Site 2** browser open a **new tab**
 - In the **Favourites** bar, select the **Horizon® Site 2** shortcut
 - In the **Username** area, enter **Administrator**
 - In the **Password** are , enter **VMware1!**
 - Select **Sign in**



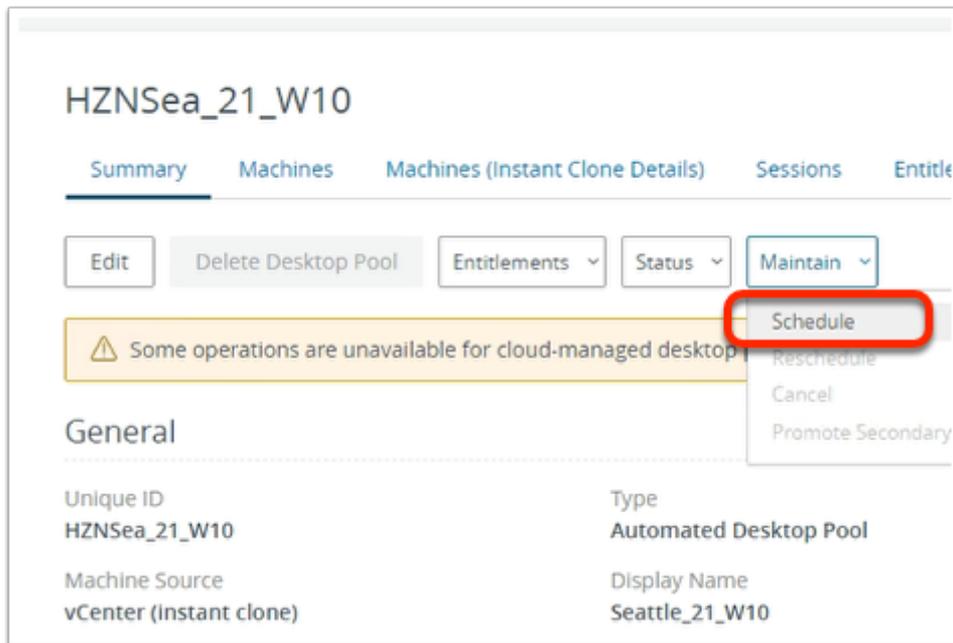
2. In **VMware Horizon Admin Console**

- In the left pane, expand **Inventory**
 - Select **Desktops**

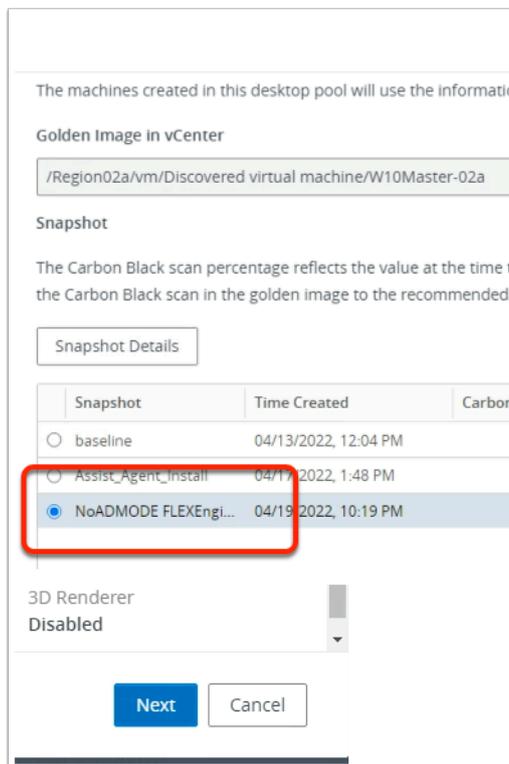


3. In the **Desktop Pools** area

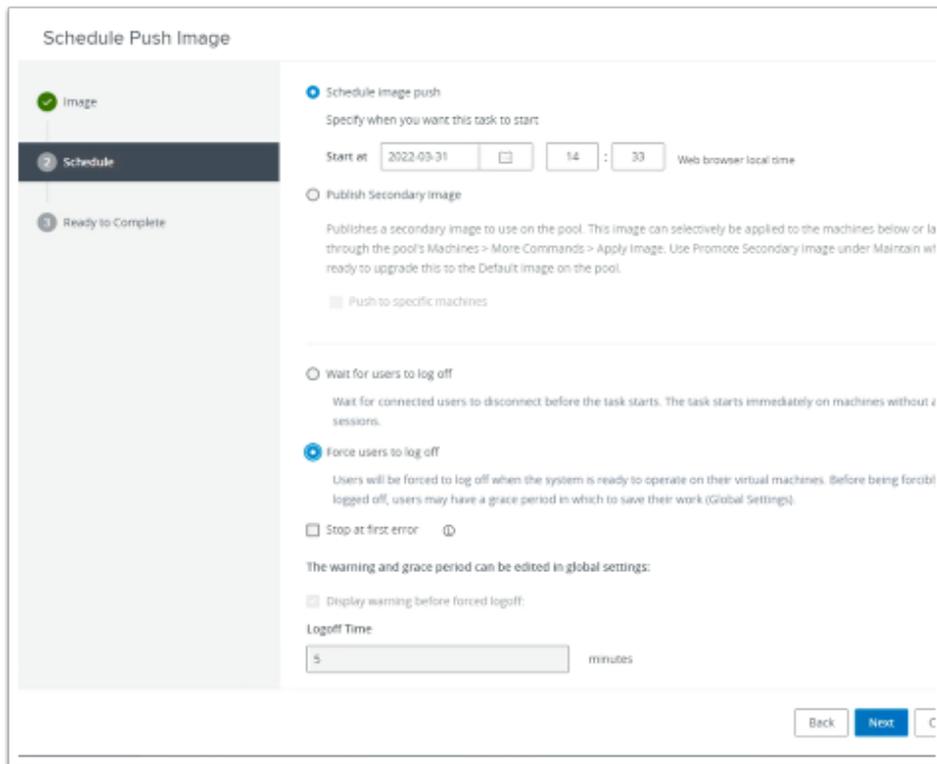
- Double click the **HZNSea_XX_W10** desktop Pool configuration
 - Where **XX** is your assigned **POD ID**



4. In your **HZNSea_XX_W10** desktop pool window
 - Select the **dropdown** next to **Maintain**
 - Select **Schedule**

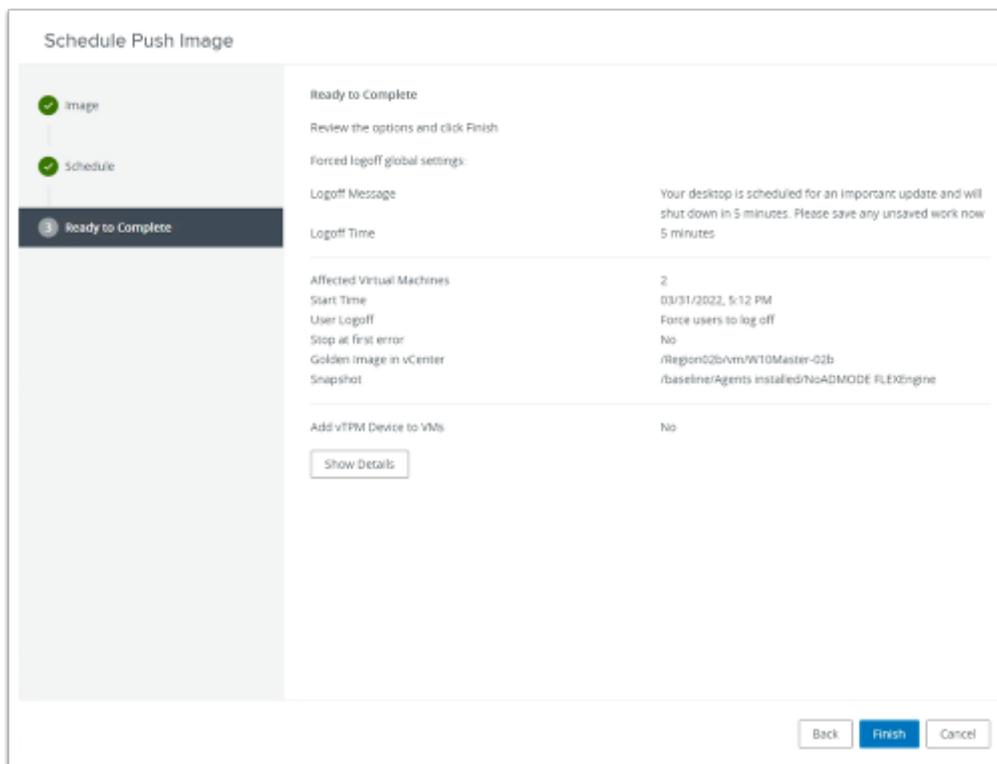


5. In the **Schedule Push Image** window
 - Under **Snapshot Details**, **scroll down**
 - Select the **radio button** next to the **NoADMODE FlexEngine** SnapShot
 - In the bottom right corner
 - Select **Next**



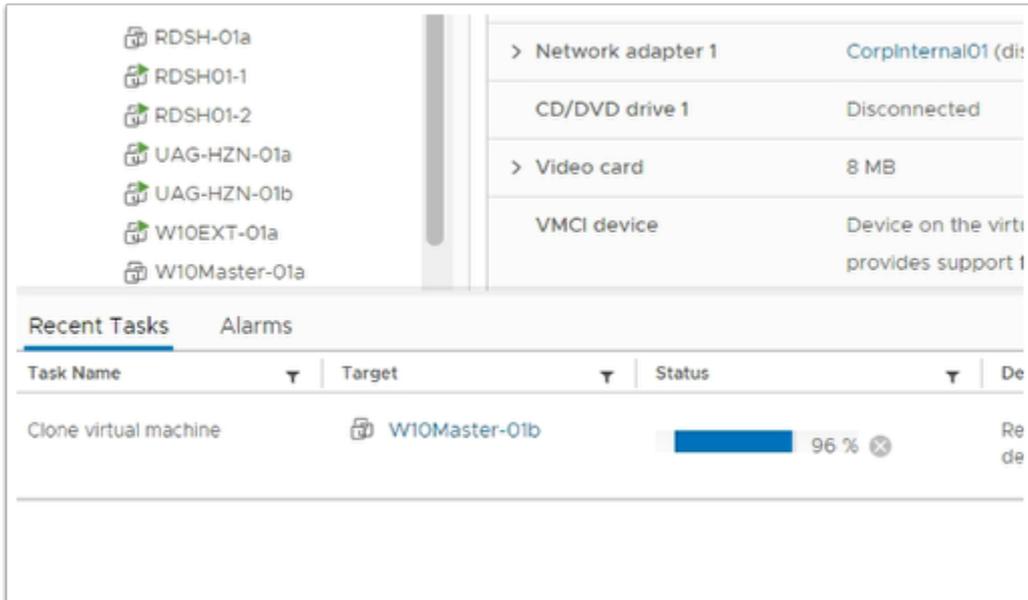
6. In the **Schedule** section of the **Schedule Push Image** wizard

- Select the **Force users to log off** radio button
- **Uncheck** Stop at first error
- Select **Next**



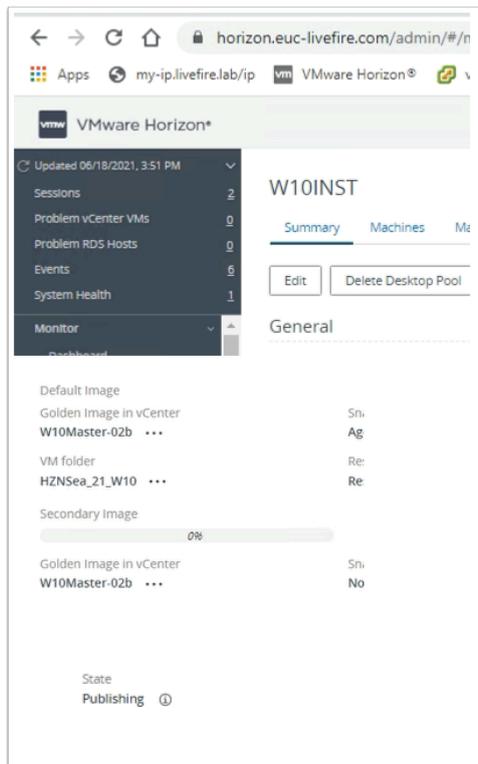
7. In the **Ready to Complete** section of the **Schedule Push Image** wizard

- Select **Finish**



8. On your **ControlCenter** server

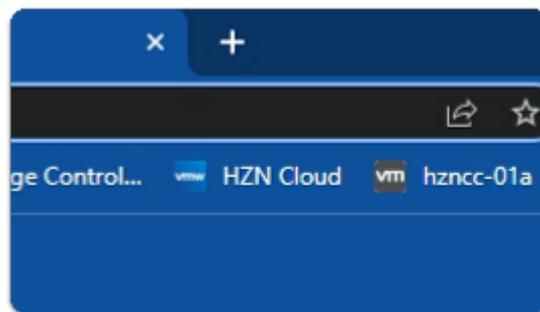
- Switch to your **vSphere Admin Console**
 - In the **Recent tasks**, you can observe the process of updating the Desktop pool
 - A new Hierarchy has to be created first
 - Starting with the **Template > Replica > Parent (depends) > Virtual Desktops**
 - **This will take approximately 30min**
 - The new Hierarchy has to be created first



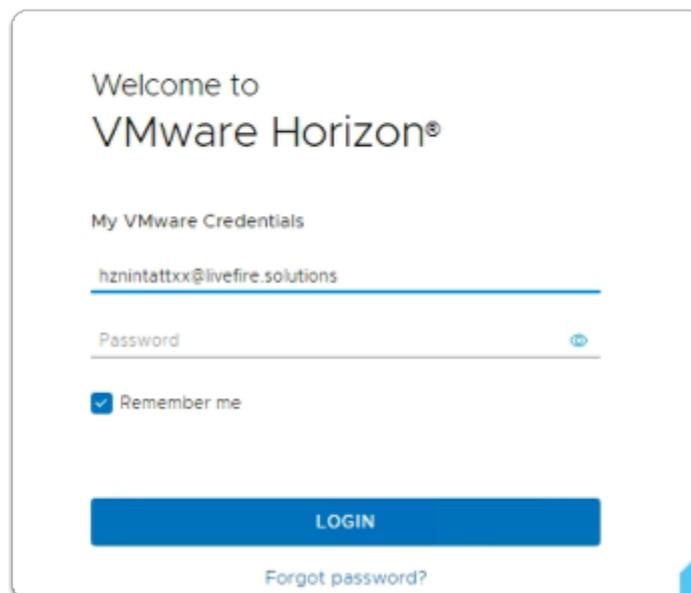
9. On your **ControlCenter** server
 - Switch to your **Horizon Admin Console**
 - On the Desktop Pool, ensure you are on the **Summary** Tab
 - Scroll down until you see **Pending Image**
 - To the right the State should report **Publishing**
 - Continue to monitor these two admin consoles
 - When the provisioning is finished the State should report **Published**

 In the meantime move on to Section 4

Section 4: Configuring a Horizon Cloud Services assignment

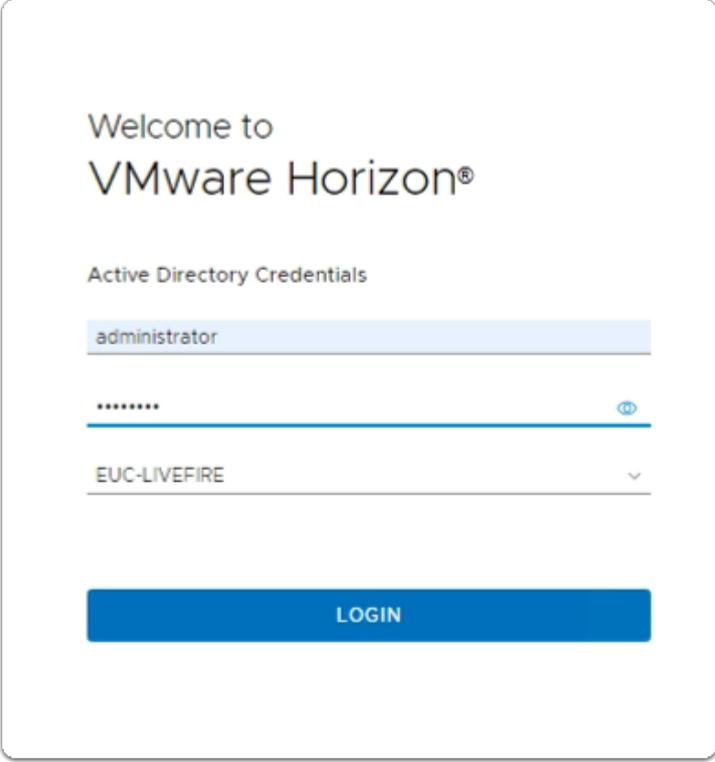


1. On your ControlCenter server
 - On the **Site1** Browser
 - Select the **HZN Cloud** shortcut



2. In the **Welcome to VMware Horizon** window
 - **My VMware Credentials**

- In the **Username** area
 - Using your **HZN cloud Admin** credentials
- In the **Password** area
 - Enter **Password**
- Select **LOGIN**



Welcome to
VMware Horizon®

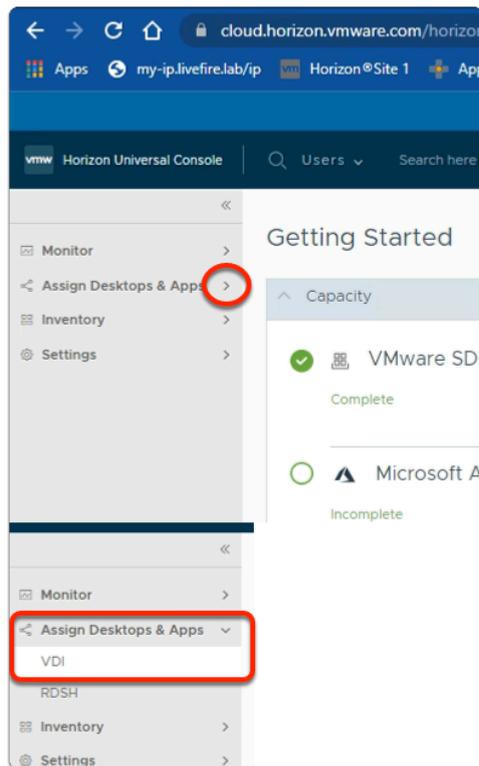
Active Directory Credentials

administrator

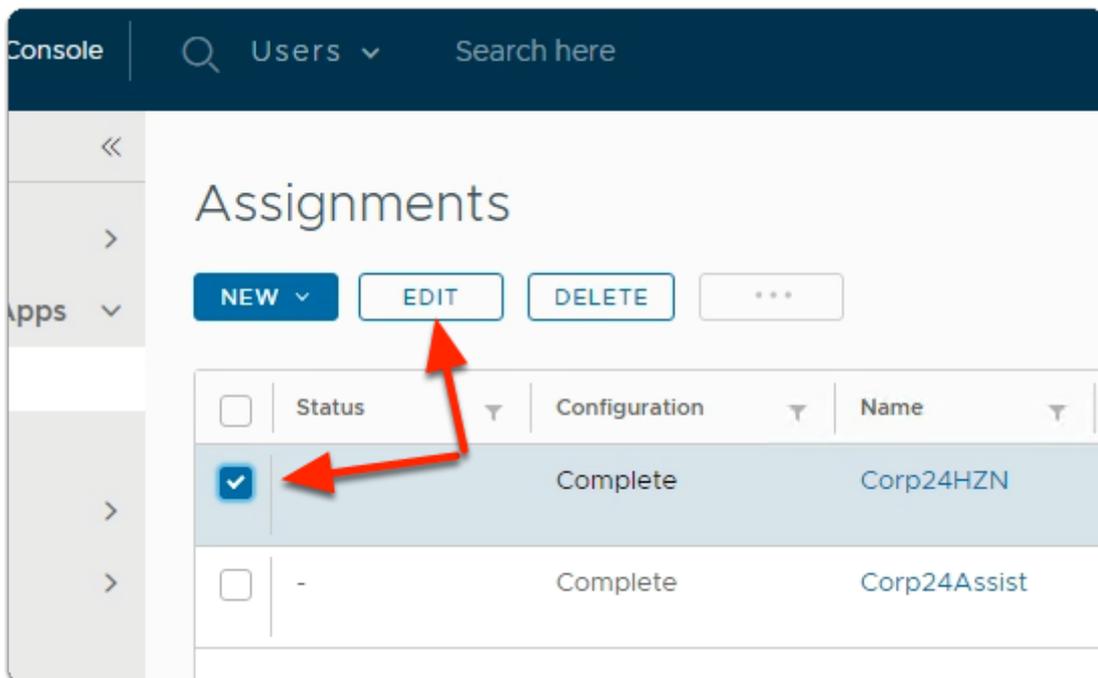
EUC-LIVEFIRE

LOGIN

3. In the **Welcome to VMware Horizon** window
 - **Active Directory Credentials**
 - In the **Username** area
 - Enter **Administrator**
 - In the **Password** area
 - Enter **Password**
 - Select **LOGIN**



3. In the Horizon Universal Console
 - **Expand Assign Desktops & Apps**
 - In the **Assign Desktops & Apps** area
 - Select **VDI**



4. In the **Assignments** area
 - In line with your **CorpXXHZN** Assignment
 - where **XXx** is your **POD ID**

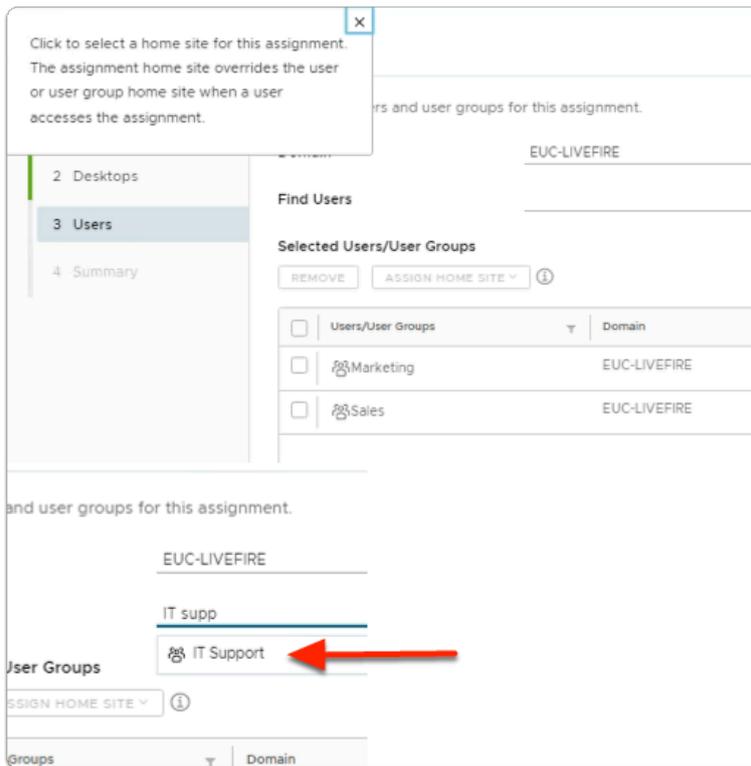
- Select the **Checkbox**
- Select **EDIT**

The screenshot shows the 'Edit Desktop Assignment' wizard. On the left, a sidebar contains three steps: '1 General Information' (highlighted), '2 Desktops', and '3 Users'. The main content area is titled 'General Information' and contains the text 'Select the type of desktop to create' and 'Field(s) marked with * are required.'. Below this is a label 'Desktop Type *' followed by a dropdown menu. At the bottom, there are two buttons: 'CANCEL' and 'NEXT'.

5. In the **Edit Desktop Assignment** wizard
 1. **General Information** area
 - Select **NEXT**

The screenshot shows the 'Edit Desktop Assignment' wizard. On the left, a sidebar contains four steps: '1 General Information', '2 Desktops' (highlighted), '3 Users', and '4 Summary'. The main content area is titled 'Desktops' and contains the text 'Select desktop pools for' and 'Field(s) marked with *'. Below this are labels for 'Operating System *', 'Default Display Protocol', and 'Allow Users to Choose'.

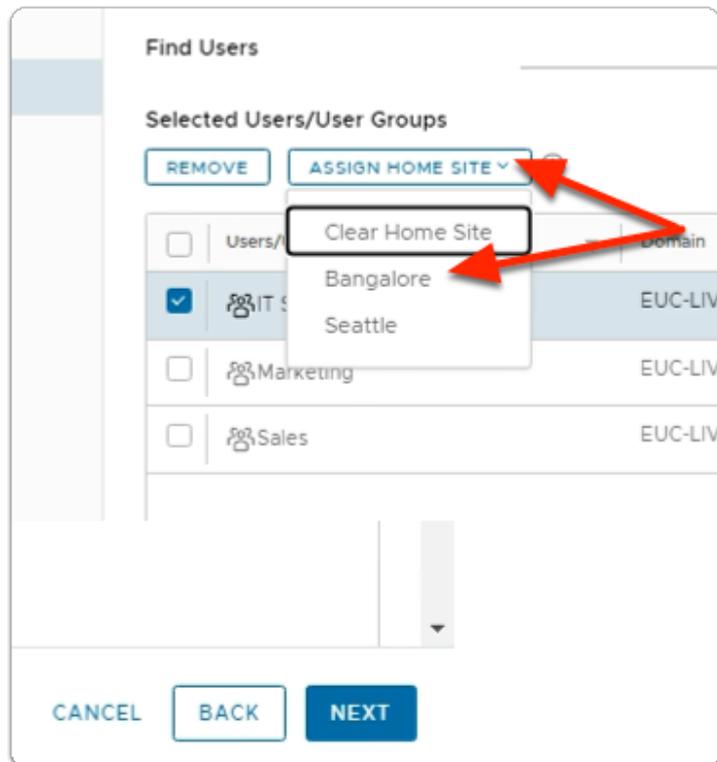
6. In the **Edit Desktop Assignment** wizard
 2. **Desktop** area
 - Select **NEXT**



7. In the **Edit Desktop Assignment** wizard

3. **Users** area

- Next to **Find Users**
 - Enter **IT Support**
 - Select **IT Support**



8. In the **Edit Desktop Assignment** wizard

3. **Users** area

- Next to **IT Support**
 - Select the **Checkbox**
- Next to **ASSIGN HOME SITE**
 - Select the **dropdown**
 - Select **Bangalore**
- Select **NEXT**

The screenshot shows the 'Edit Desktop Assignment' wizard in a two-pane layout. The left pane is titled 'Edit Desktop Assignment' and contains a vertical list of steps: 1 General Information, 2 Desktops, 3 Users, and 4 Summary. Step 4 is highlighted with a blue bar. The right pane is titled 'Summary' and contains the following sections: 'General Information' with fields for Desktop Type, Desktop Name, Description, Scope, Connection Affinity, and Home Site Restriction; and 'Pods' with a dropdown menu. At the bottom of the wizard are three buttons: 'CANCEL', 'BACK', and 'FINISH'.

9. In the **Edit Desktop Assignment** wizard

4. **Summary** area

- Select **FINISH**

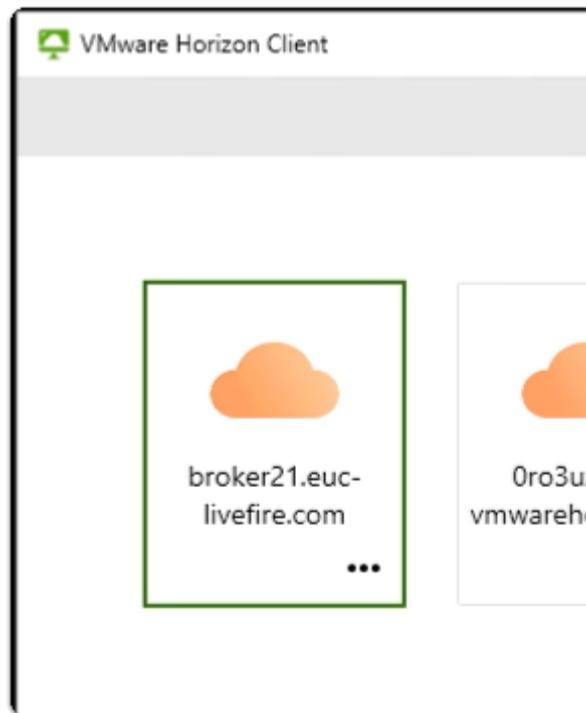
Section 5: Configuring a custom Dynamic Environment wall paper archive

 Before moving onto **Section 5**. Make sure the provisioning of your desktop pools for site 1 and site 2 has been completed



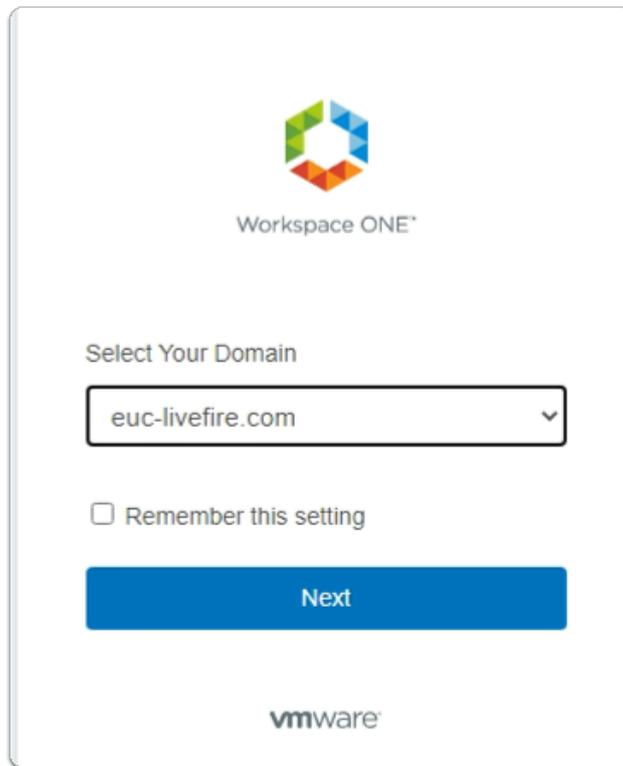
1. On your ControlCenter Server

- On the **Taskbar**
 - Select and launch the **Horizon Client** shortcut

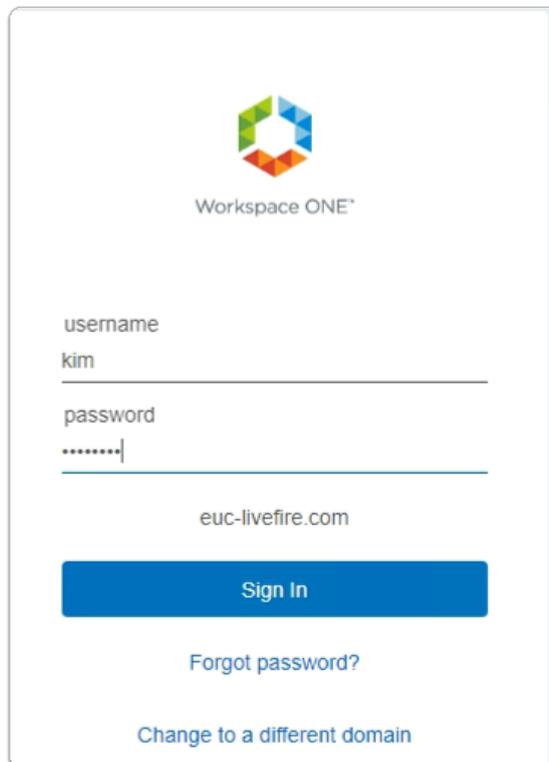


2. In the VMware Horizon Client

- Select your **BrokerXX.euc-livefire.com** assignment

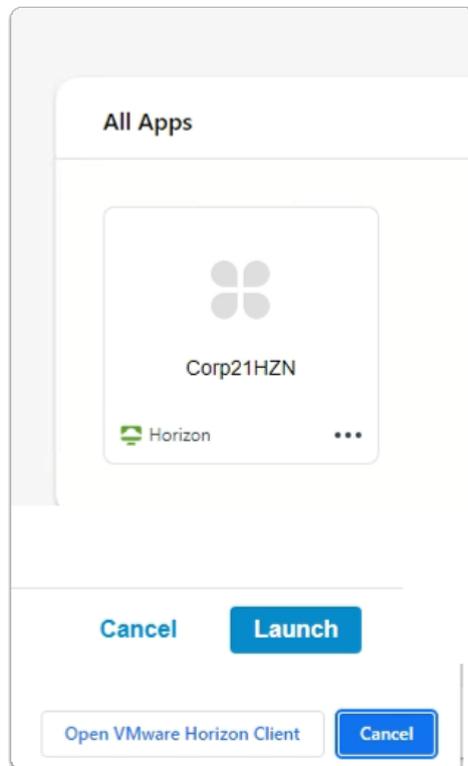


3. In the **Workspace ONE** login
 - Under **Select Your Domain**
 - From the **dropdown**
 - Select **euc-livefire.com**
 - Select **Next**



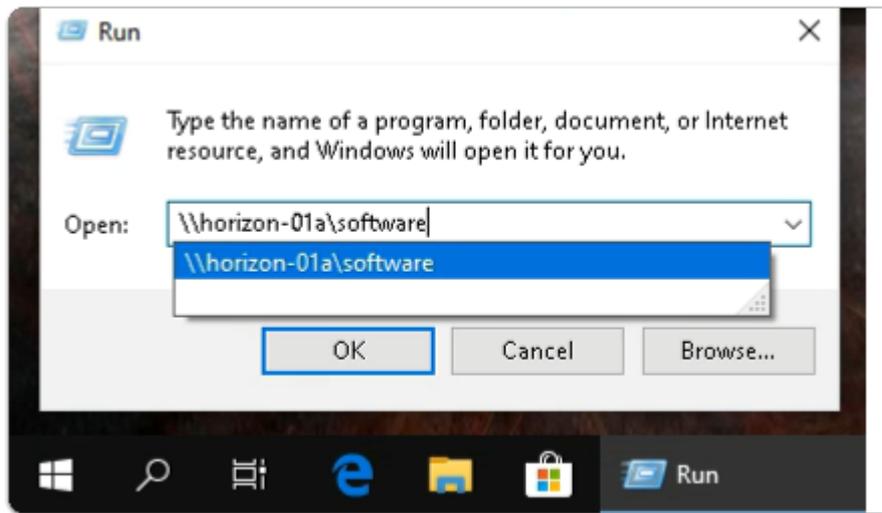
4. In the **Workspace ONE** login

- Under **username**
 - Enter **kim**
- Under **password**
 - Enter **VMware1!**
 - Select **Sign in**



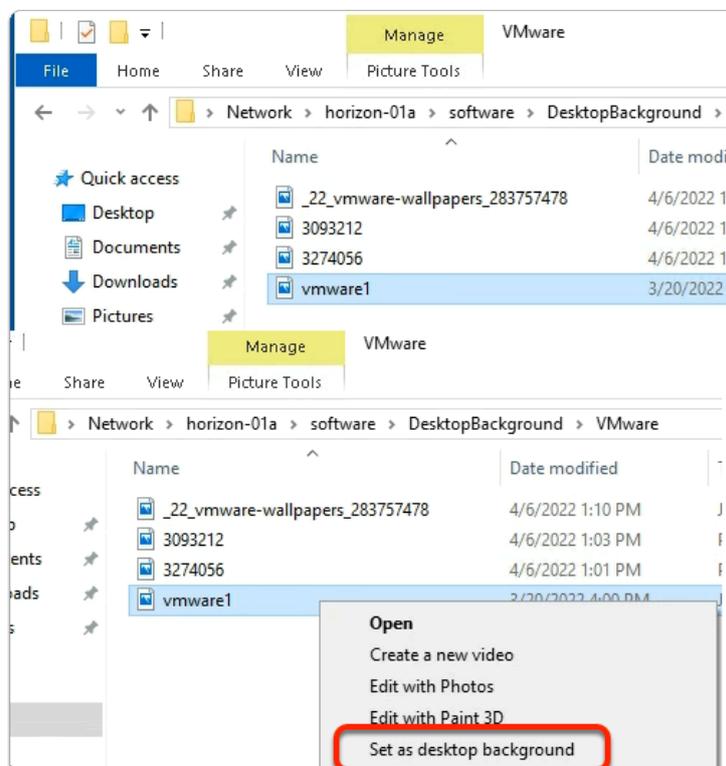
5. In the **Workspace ONE Intelligence HUB**

- Under **All Apps**
 - Select your **Desktop assignment**
- In the Horizon Client Launch window
 - Select **Launch**
- In the **Open VMware Horizon Client?** window
 - Select **Open VMware Horizon Client**



6. In the Horizon Desktop Session

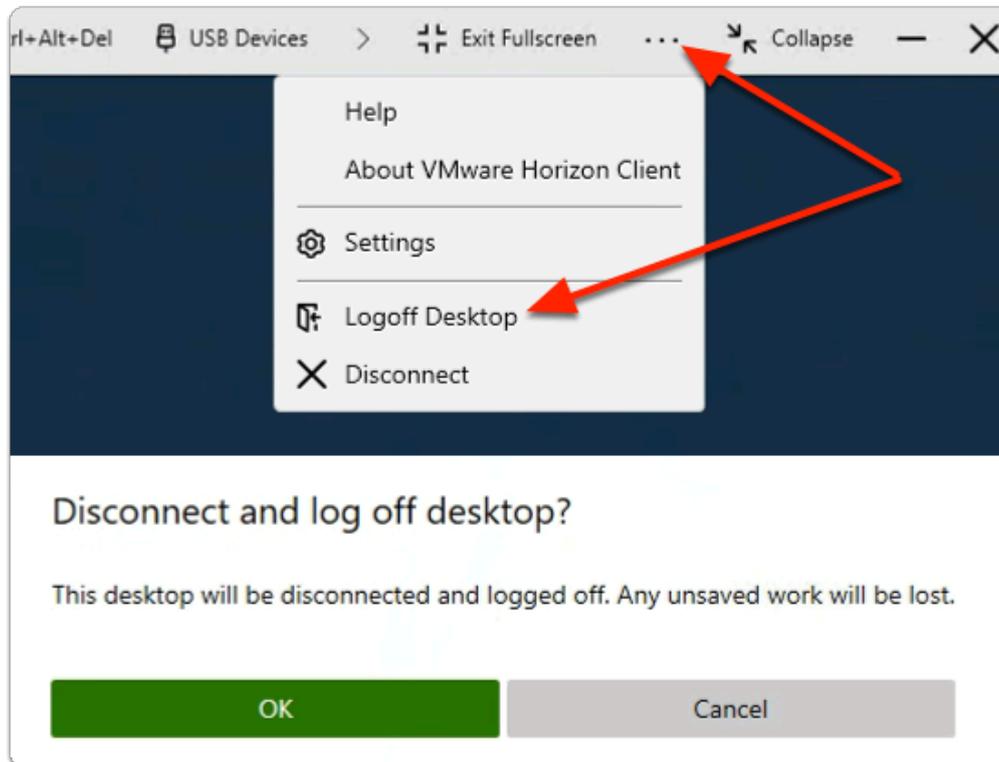
- Select and right-click the **START** button
 - Select **Run**
 - In the **Run** window
 - Next to **Open:-**
 - enter **\\horizon-01a\software**
- Select **OK**



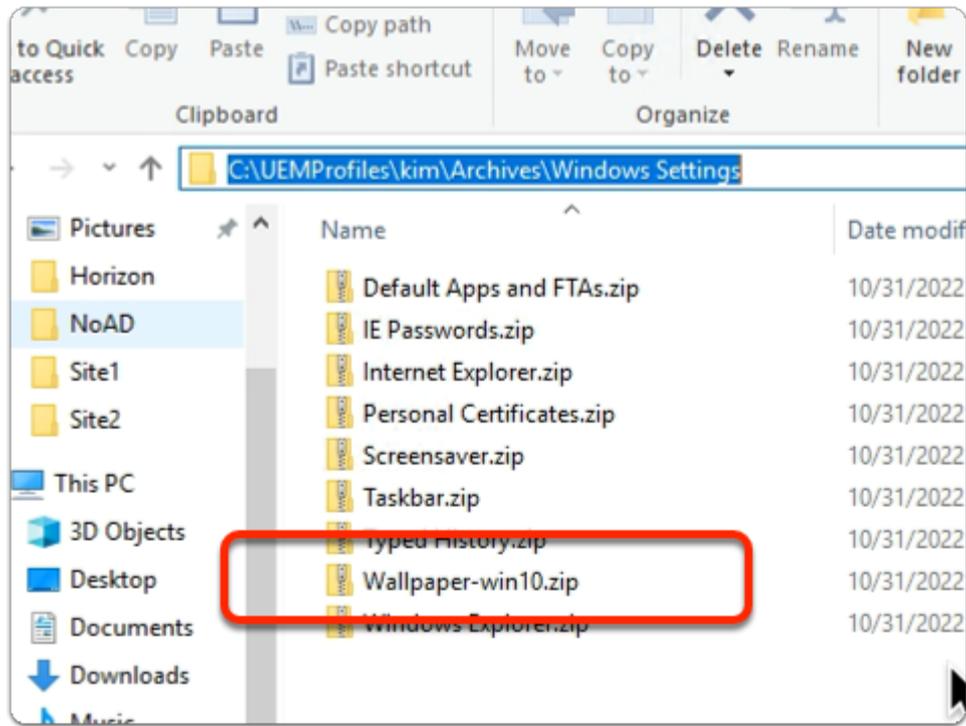
7. In the **File Explorer** window

- **Software** Folder
 - Select **DesktopBackground > VMware**

- In the **VMware** folder
 - select and right-click **vmware1**
 - Select **Set as desktop background**



8. In the **VMware Horizon Client** session
 - Next to **Exit Fullscreen**
 - Select the **3 dots**
 - Select **Logoff Desktop**
 - On the **Disconnect Log off Desktop** window
 - Select **OK**

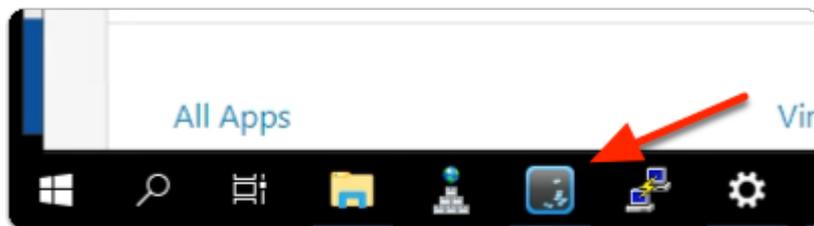


9. On your ControlCenter server
 - On your **Taskbar**,
 - Open the **File Explorer** Icon
 - browse to : -
 - **C:\UEMProfiles\kim\Archives\Windows Settings**
 - Validate that an DEM based Export did occur of the Wallpaper

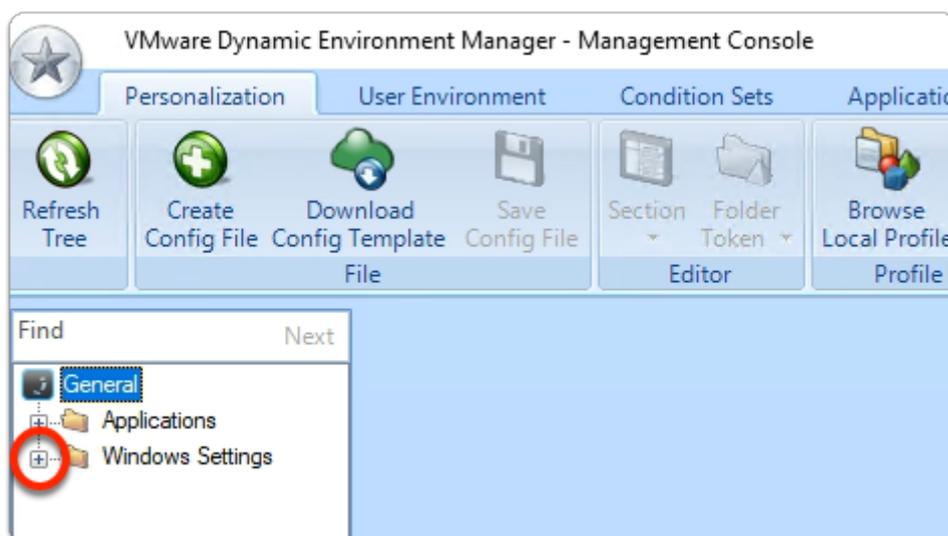
Part 2 Configuring Dynamic Environment Manager for operations in Workspace ONE UEM

i There are thousands of different combination settings we could use to deliver configurations to a Windows operating system. We will configure a few as part of the package and we will upload this to Workspace ONE UEM

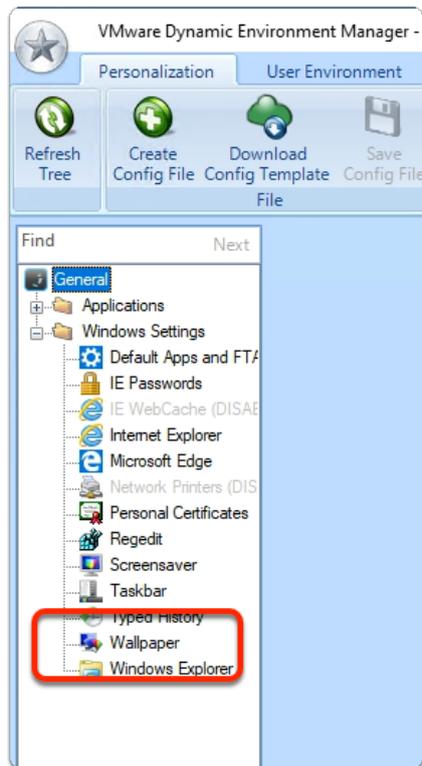
Configuring Dynamic Environment Manager for operations in Workspace ONE UEM



1. On your ControlCenter Server
 - On the Taskbar
 - Select and launch the **VMware Dynamic Environment Manager - Management Console** shortcut

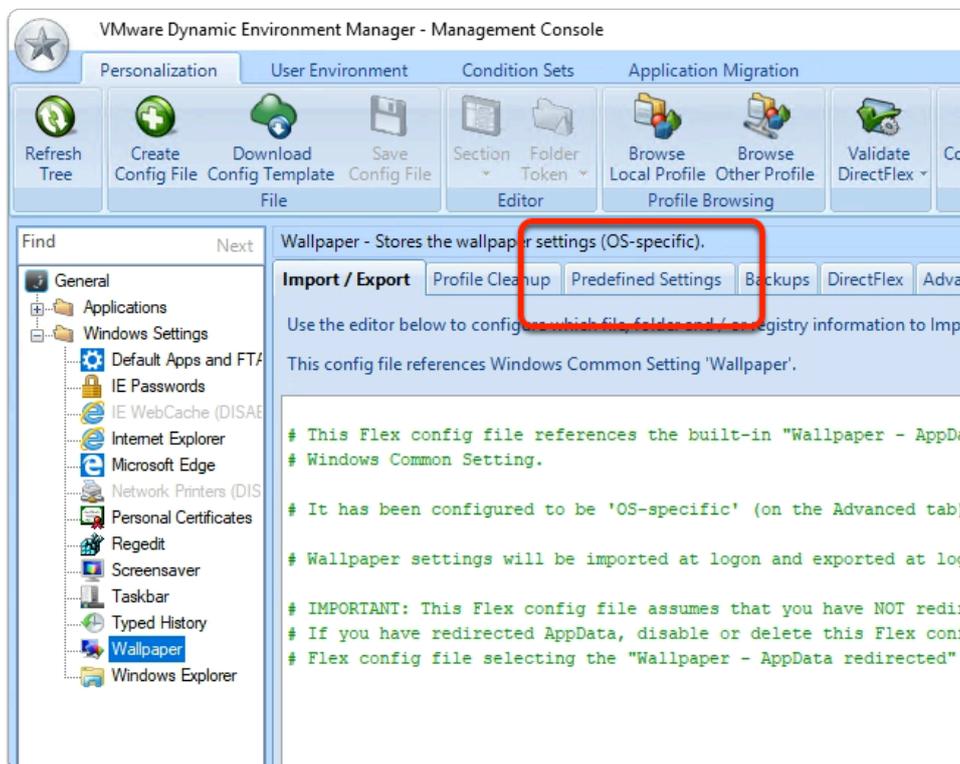


2. In the **VMware Dynamic Environment Manager - Management Console**
 - On the **Personalization** tab
 - Expand **Windows Settings**



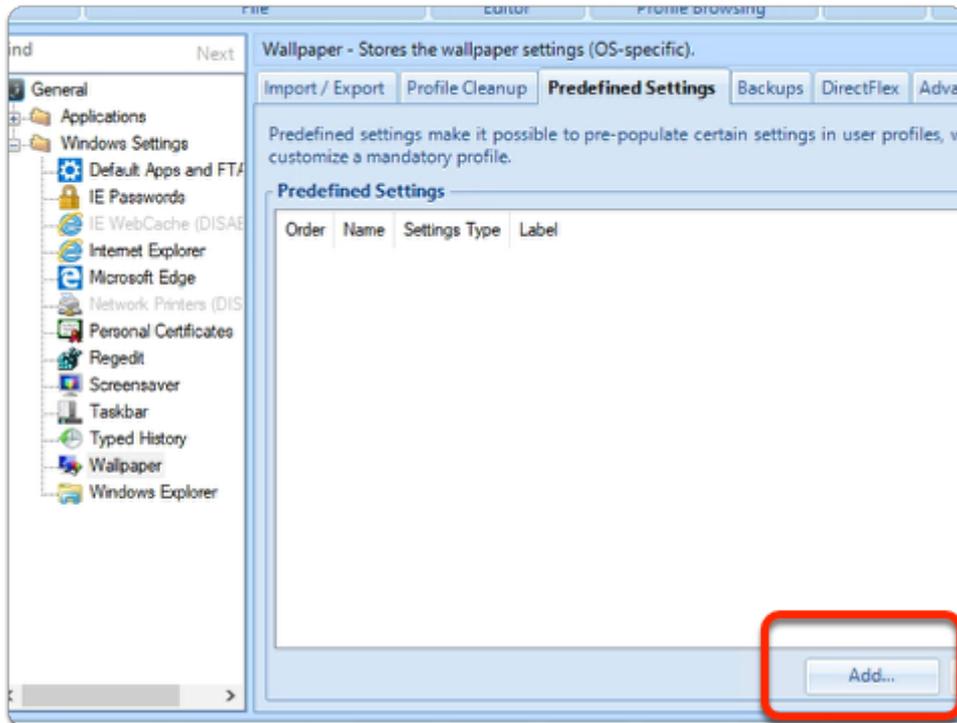
3. In the **VMware Dynamic Environment Manager - Management Console**

- On the **Personalization** tab
 - **Windows Settings**
 - Select **Wallpaper**

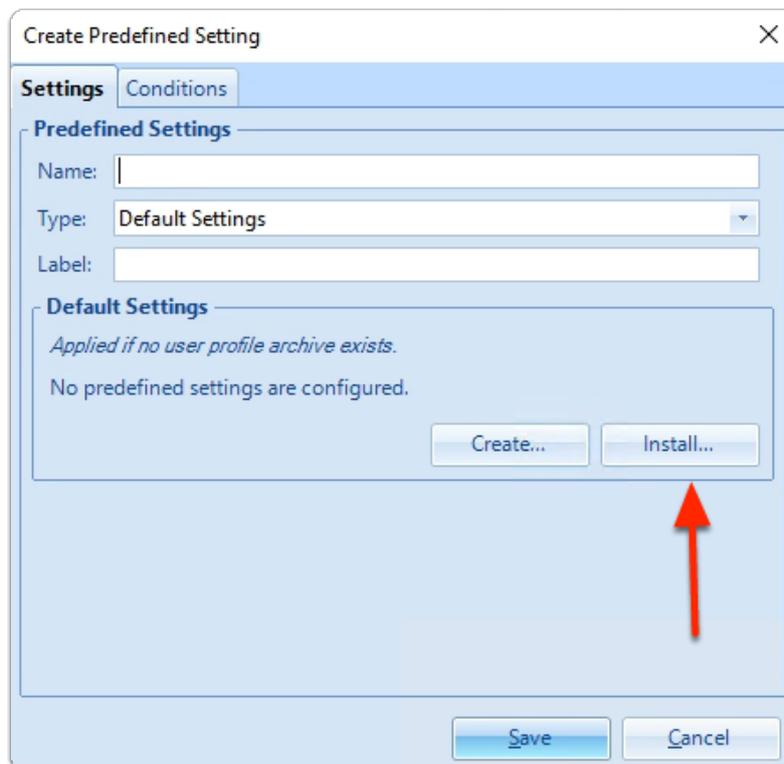


4. In the **VMware Dynamic Environment Manager - Management Console**

- **Wallpaper** area
 - Select the **Predefined Settings** tab

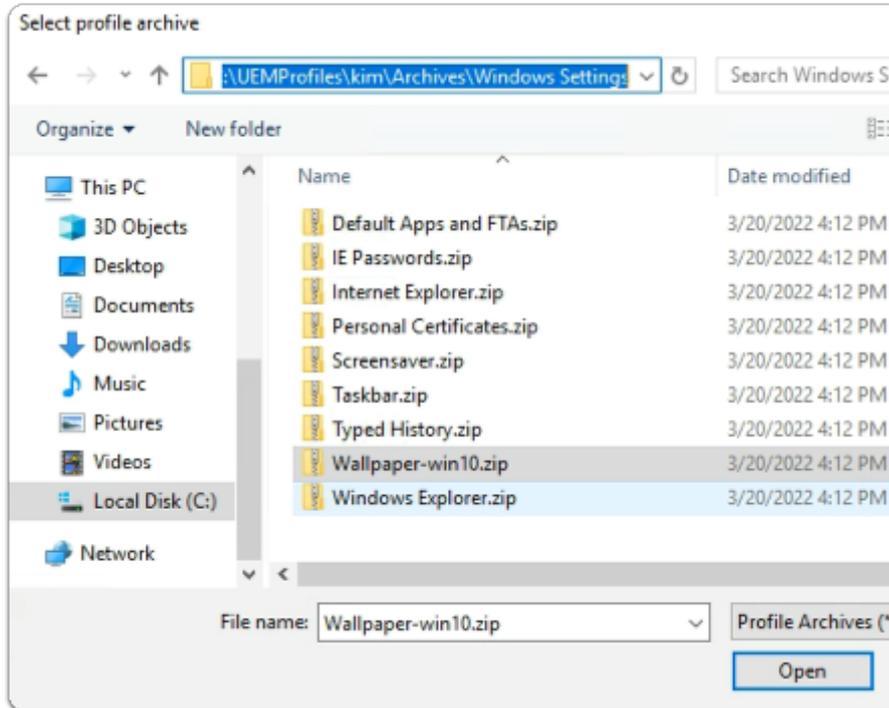


5. In the **VMware Dynamic Environment Manager - Management Console**
 - In the **Predefined Settings** tab
 - Select **Add...**



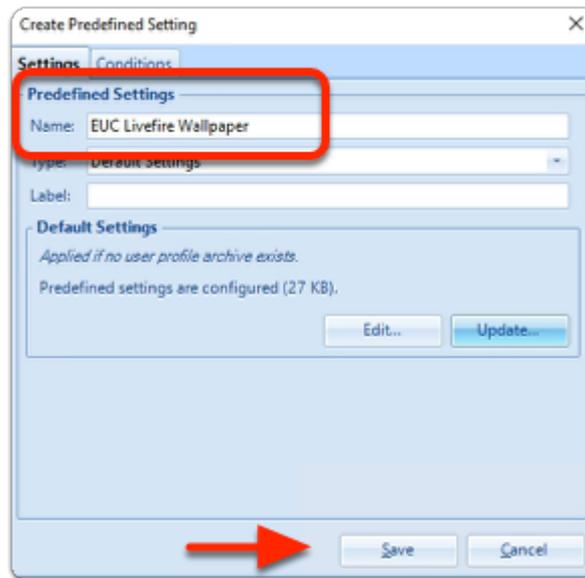
6. In the **Create Predefined Setting** window

- In the **Default Settings** area
 - Select **Install...**



7. In the **File Explorer** Window

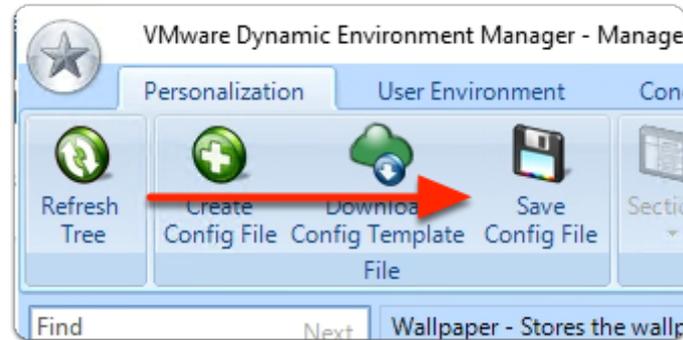
- **Browse** to **C:\UEMProfiles\kim\Archives\Windows Settings**
- Select **Wallpaper-win10.zip**
 - Select **Open**



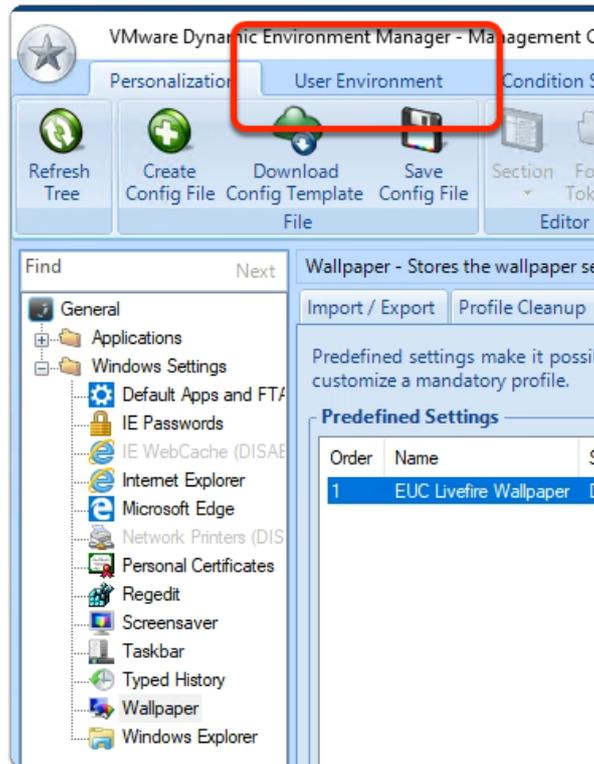
8. In the **Create Predefined Setting** window

- Next to **Name:**
 - type **EUC Livefire Wallpaper**
- Next to **Type:**

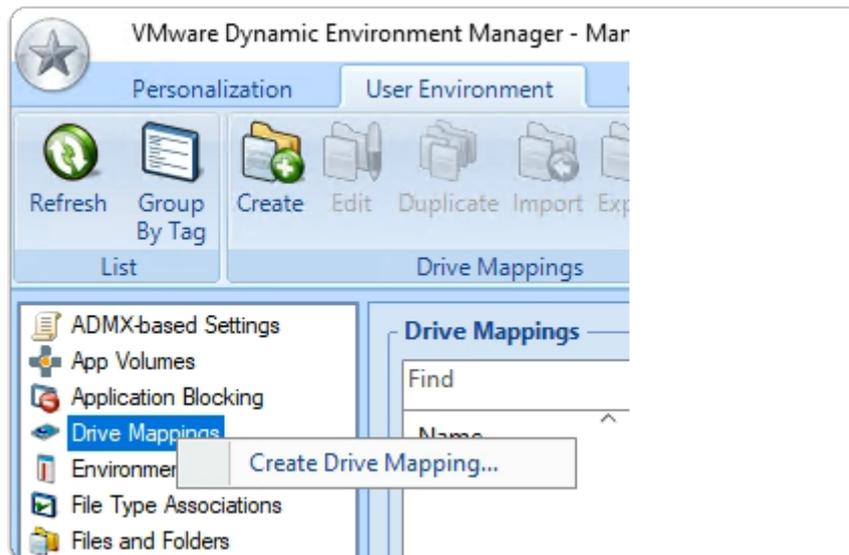
- ensure **Default Settings** are selected
- To close the **Create Predefined Setting** window
 - Select **Save**



9. On the **Dynamic Environment Manager - Management Console**
 - **Toolbar** area
 - select **Save Config File**

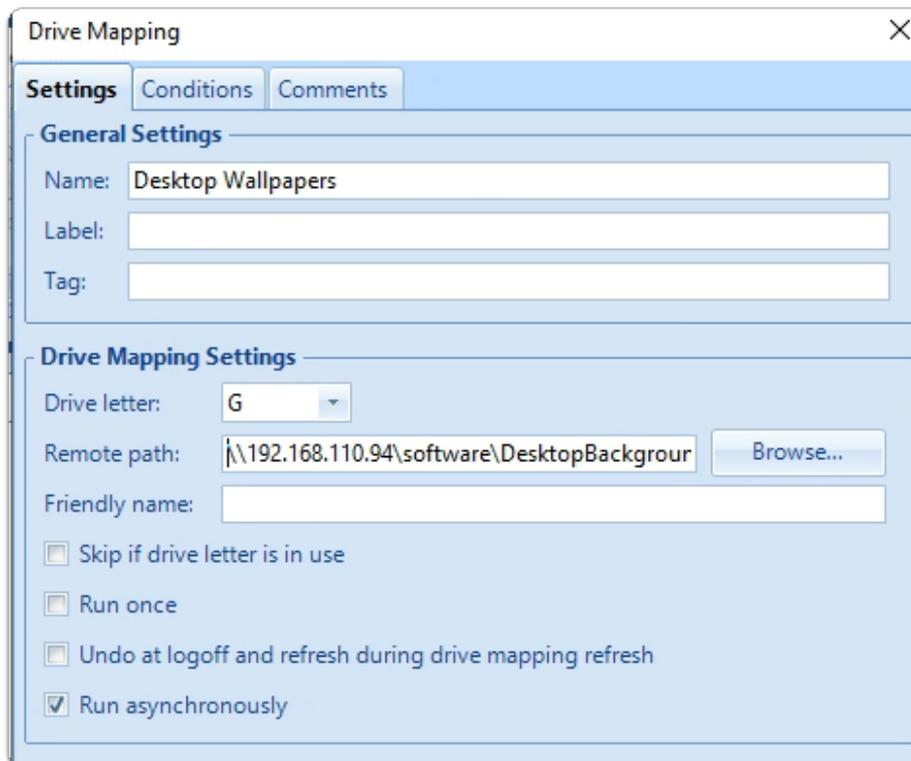


10. On the **Dynamic Environment Manager - Management Console**
 - Select the **User Environment** tab



11. On the **Dynamic Environment Manager - Management Console**

- In the **User Environment** area
 - Select **Drive Mappings**
 - Right-click, Select **Create Drive Mapping...**



12. In the **Drive Mapping** window

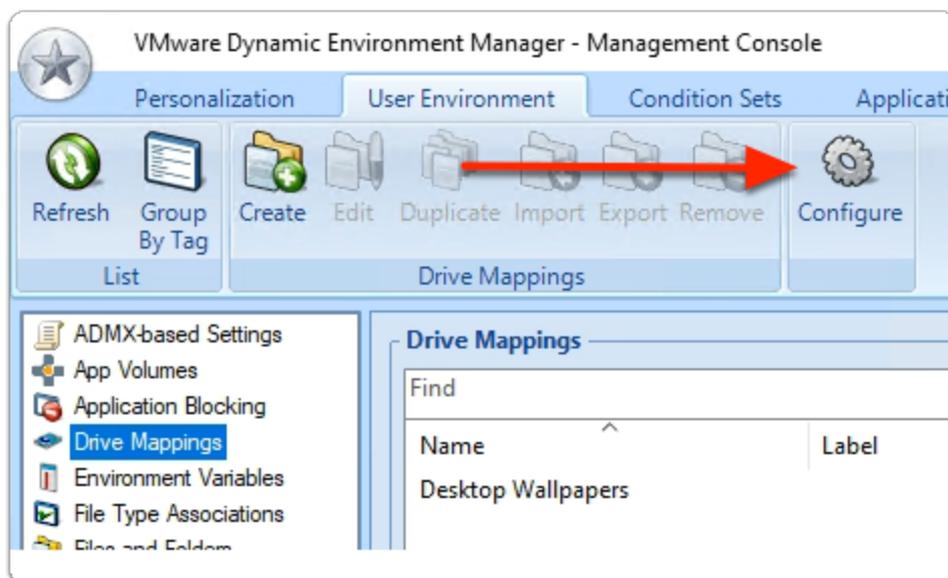
- Under **General Settings**
 - next to **Name:**
 - type **Desktop Wallpapers**
- Under **Drive Mapping Settings**

- next to **Drive Letter:** select **G**
- next to **Remote path:** type `\\192.168.110.94\software\DesktopBackground`
- To close the **Drive Mapping** window
 - Select **Save**

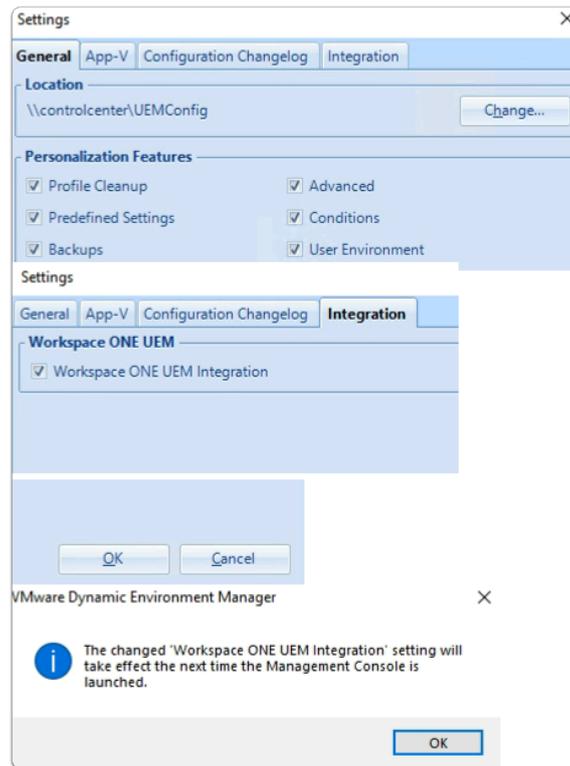
Part 3: Getting started with Dynamic Environment Manager integration

- Initial configuration involves configuring the Dynamic Environment Manager Console for Workspace ONE UEM integration and then setting a definition that will be uploaded into Workspace ONE UEM.

Getting started with Dynamic Environment Manager integration



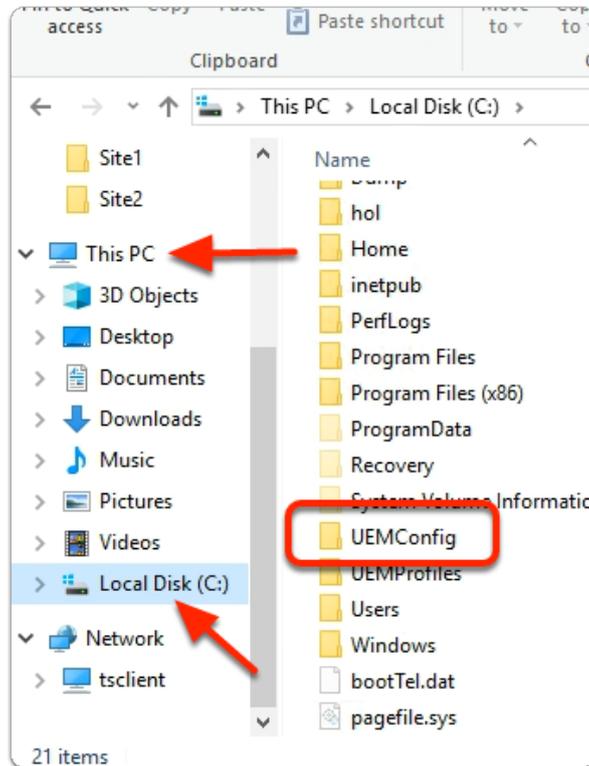
1. In the **Dynamic Environment Manager** Console
 - In the **Toolbar** area
 - To the right
 - Select **Configure**



2. In the **Settings** window
 - Select the **Integration** tab
 - In the **Integration** tab area,
 - Next **Workspace ONE UEM Integration**
 - Select the **checkbox**
 - At the bottom of **Settings**,
 - select **OK**
 - In the **VMware Dynamic Environment Manager** window
 - Select **OK**
 - **Close** the **Dynamic Environment Manager** console
 - From the **ControlCenter Server** Taskbar
 - Launch the **Dynamic Environment Manager- Management Console** shortcut

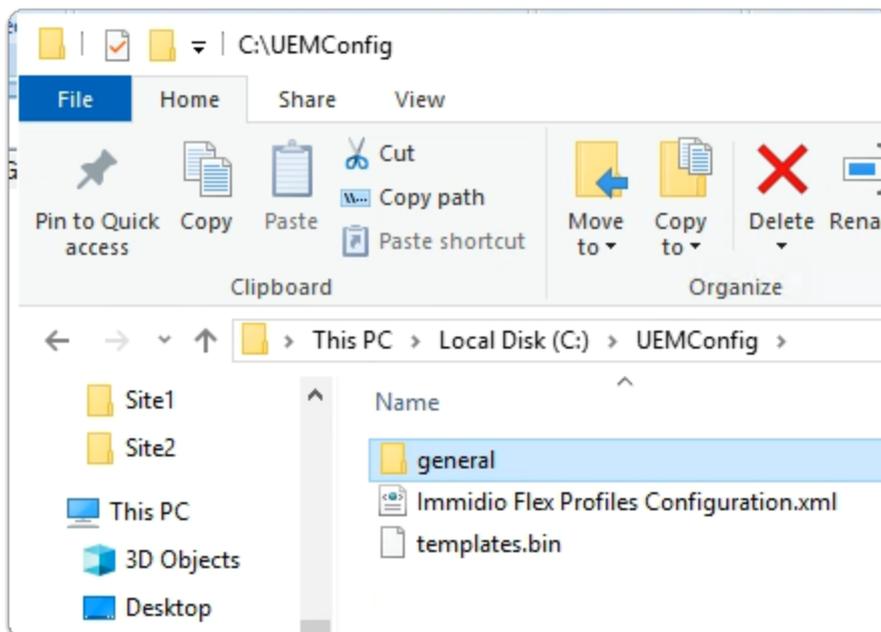


3. On the ControlCenter server
 - From the **Taskbar**
 - Launch the **File Explorer** shortcut



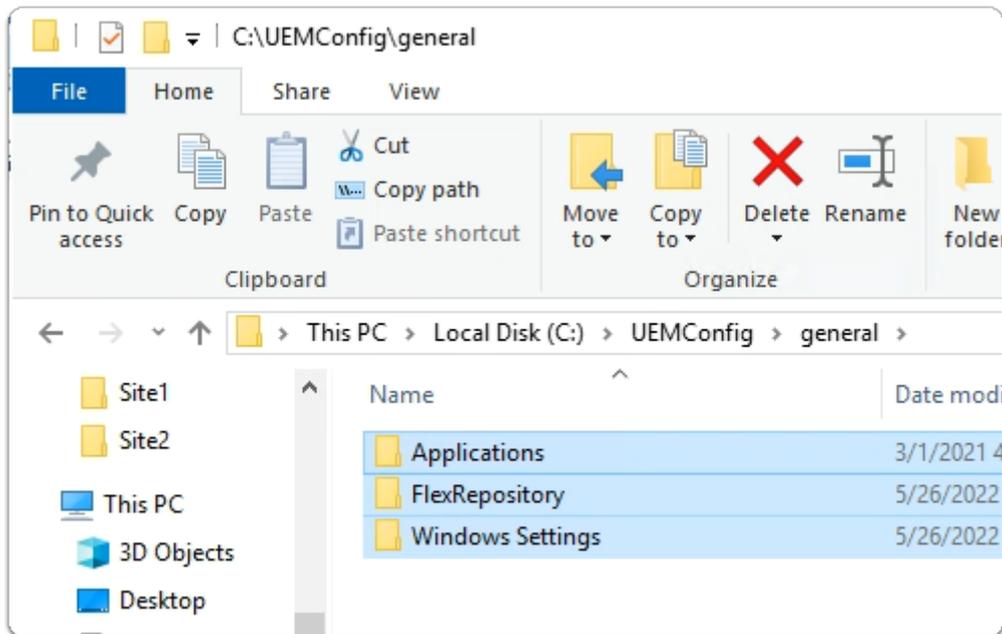
4. In the **File Explorer** window

- Under **Quick access**
 - Expand **This PC**
 - Select **Local Disk (C:)**
 - In the right pane
 - Select and open **UEMConfig**

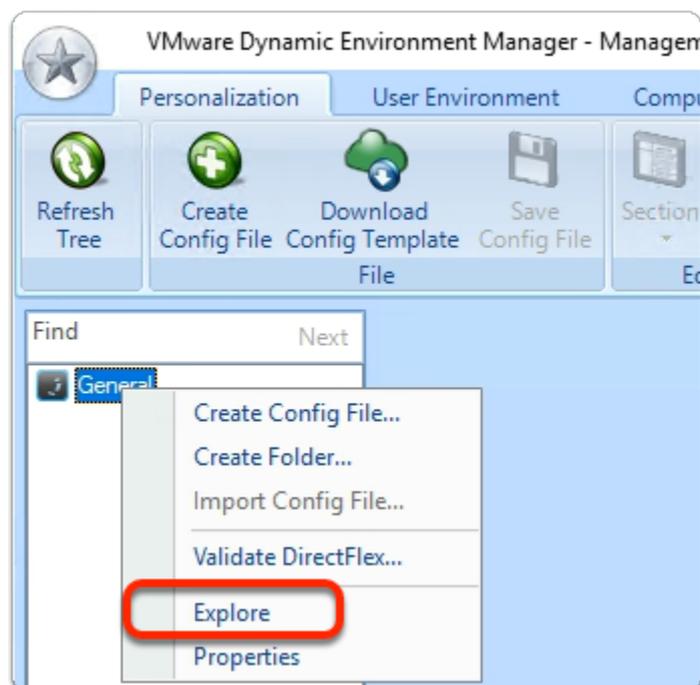


5. In the **File Explorer** window

- **UEMConfig** folder
 - Select and open **general**

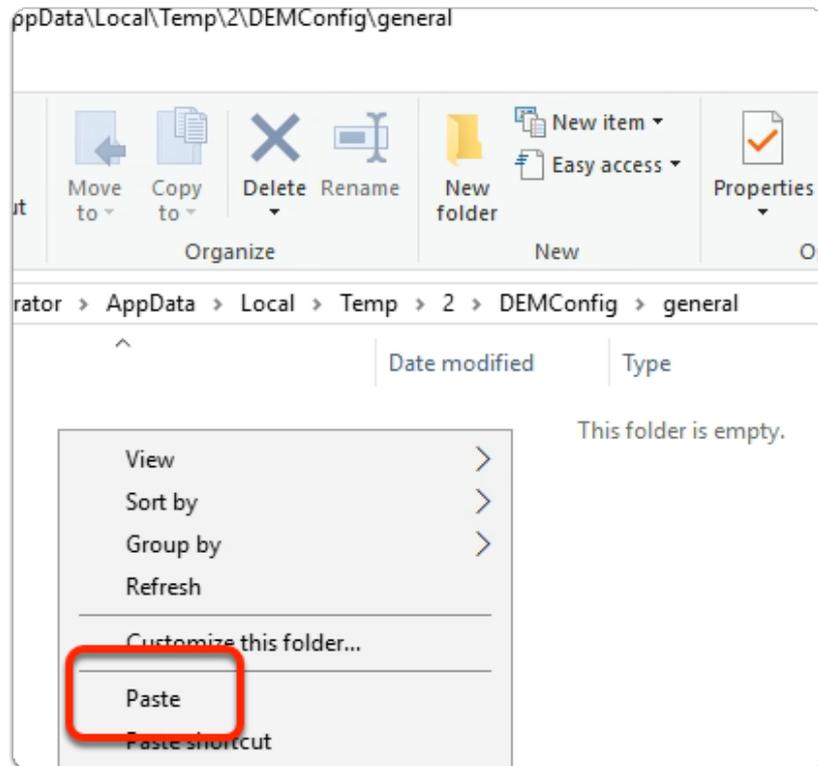


6. In the **File Explorer** window
 - **UEMConfig\general** folder
 - With your **keyboard**
 - Select **CTRL + A**
 - Select **CTRL + C**

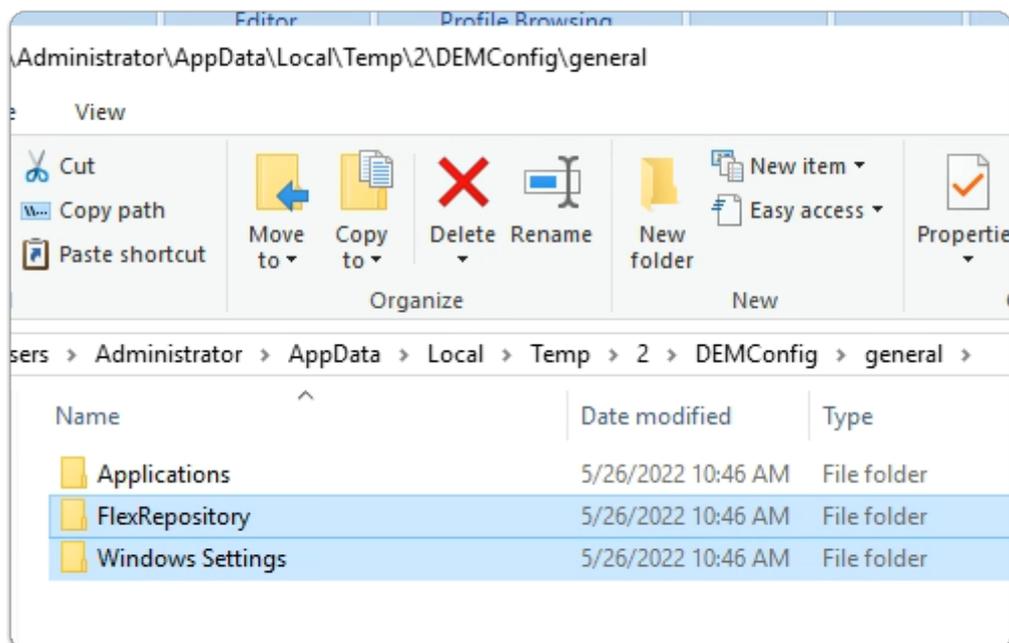


7. On your ControlCenter server
 - **Switch** to your **VMware Dynamic Environment Manager - Management Console**
 - In the **VMware Dynamic Environment Manager - Management Console**

- Select and right-click **General**
 - Select **Explore**



8. In the **File Explorer** folder
 - Under **DEMConfig\general** (default)
 - **Select** and **right-click** to launch the menu
 - Select **Paste**

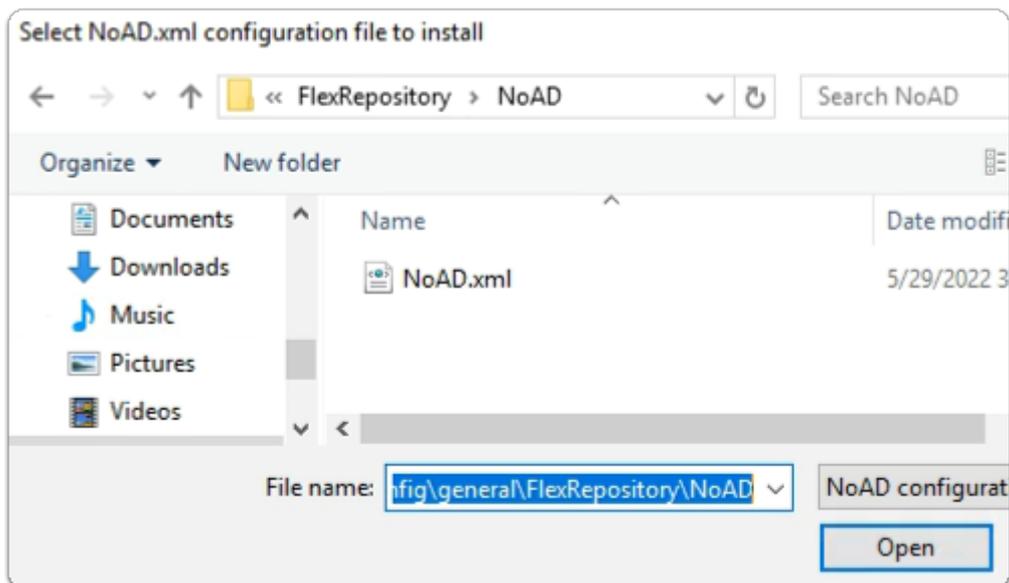


9. In the **File Explorer** folder
 - Under **DEMConfig\general**

- you should have 3 folders copied from the UEMConfig folder
- Switch back to your **VMware Dynamic Environment Manager - Management Console**

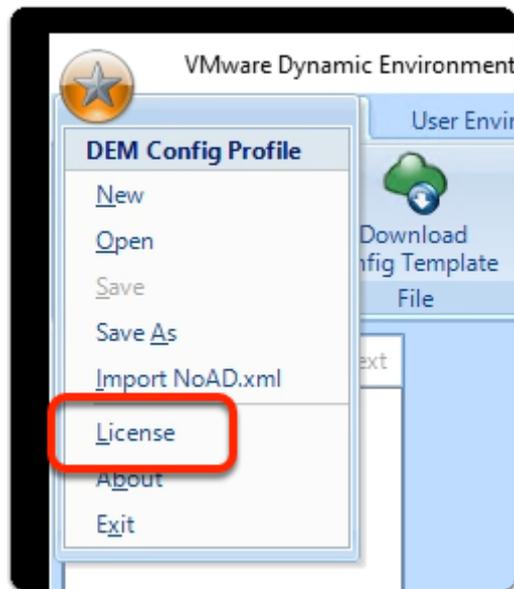


10. In the **VMware Dynamic Environment Manager - Management Console**
 - In the top left-hand corner, select the **STAR** Icon
 - In the **DEM Config Profile** drop menu
 - Select **Import NoAD.xml**

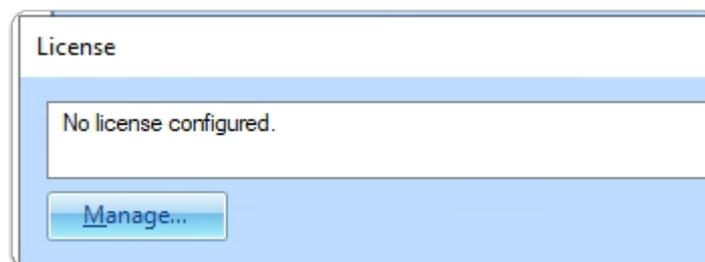


11. In **File Explorer** window
 - Next to **File name**, copy and paste the following:
 - **C:\UEMConfig\general\FlexRepository\NoAD**

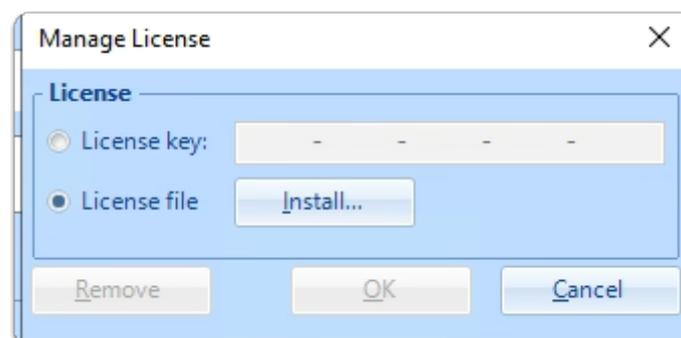
- Select **Open**
- Select the **NoAD.xml** file
 - Select **Open**



12. On the **Dynamic Environment Manager** Console
 - In the top left-hand corner, select the **STAR** Icon
 - In the **DEM Config Profile** drop menu
 - Select **License**

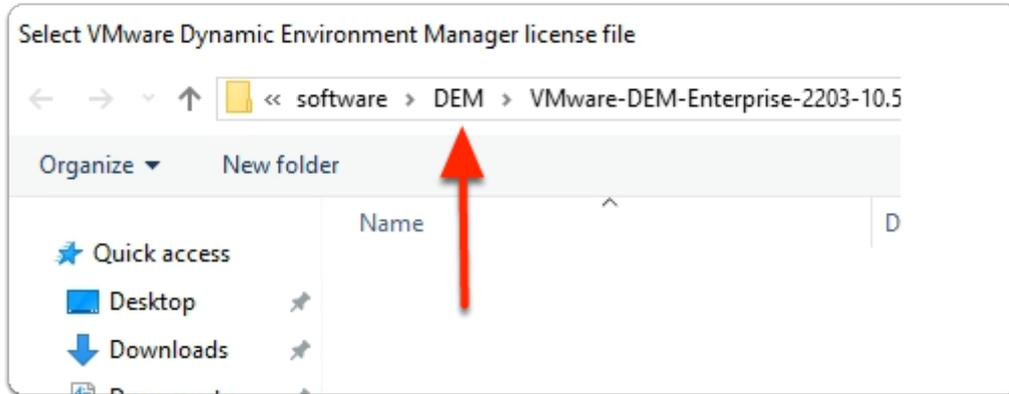


13. In the **License** window
 - Select **Manage...**

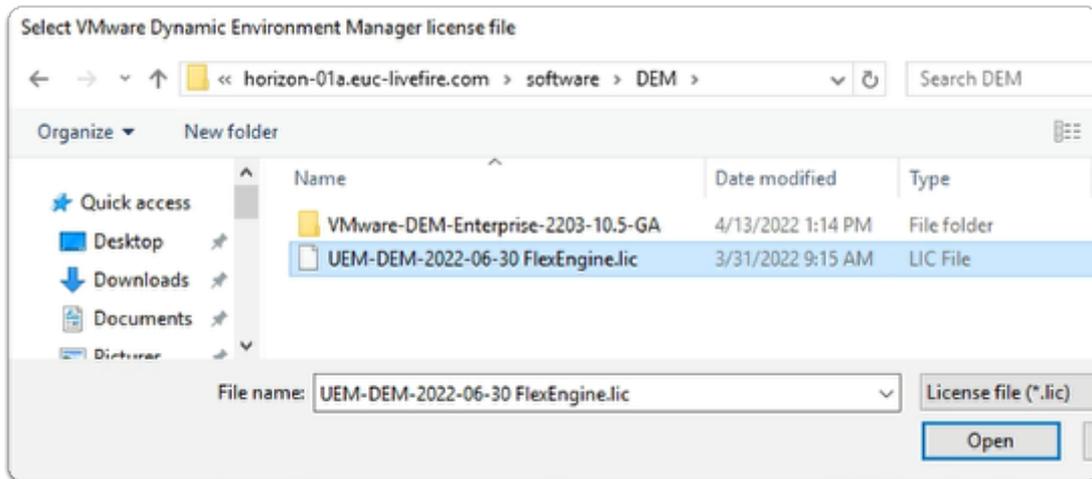


14. In the **Manage License** window

- Next to **License file**
 - Select the **radio button**



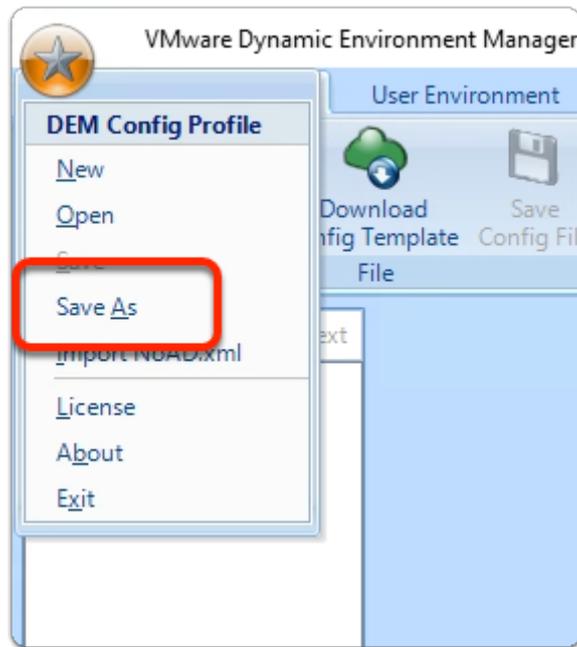
15. In the **Select VMware Dynamic Environment Manager license file** window
 - In the **Address Bar**
 - Select **DEM**



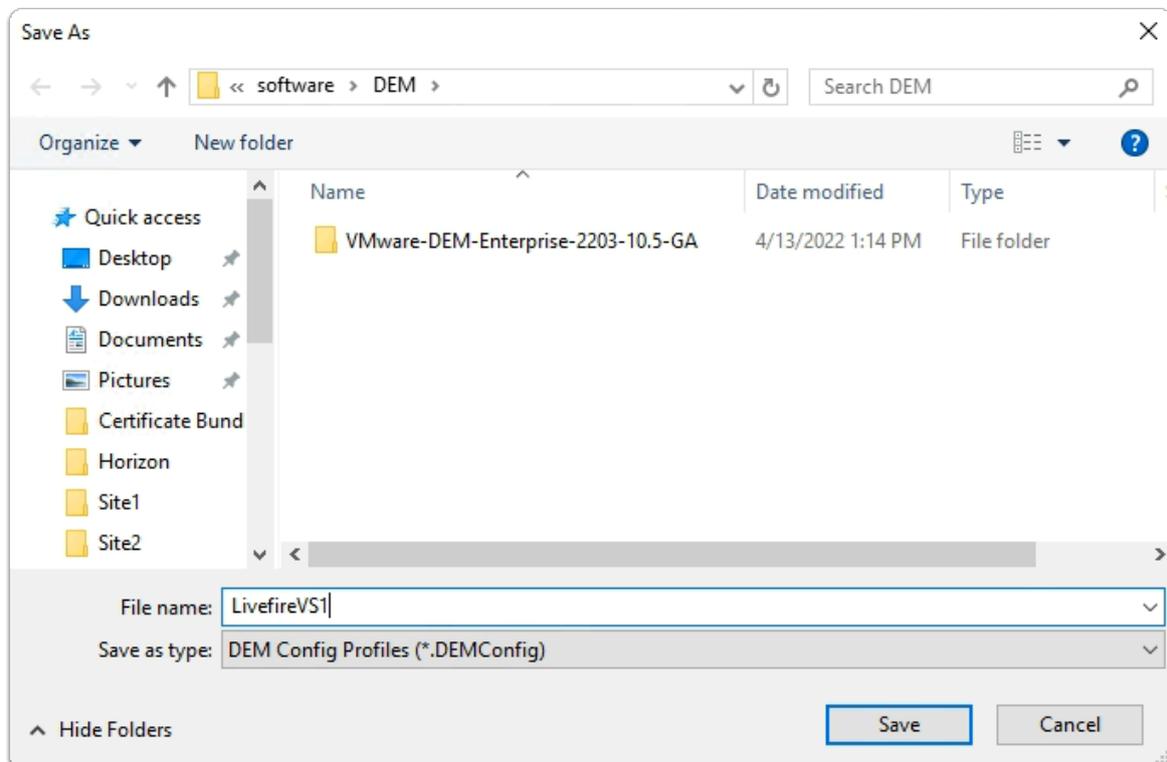
16. In the **Select VMware Dynamic Environment Manager license file** window
 - Select **UEM-DEM-2022-06-30 FlexEngine.lic**
 - Select **Open**



17. In the **License** window
 - To close this window
 - Select **OK**

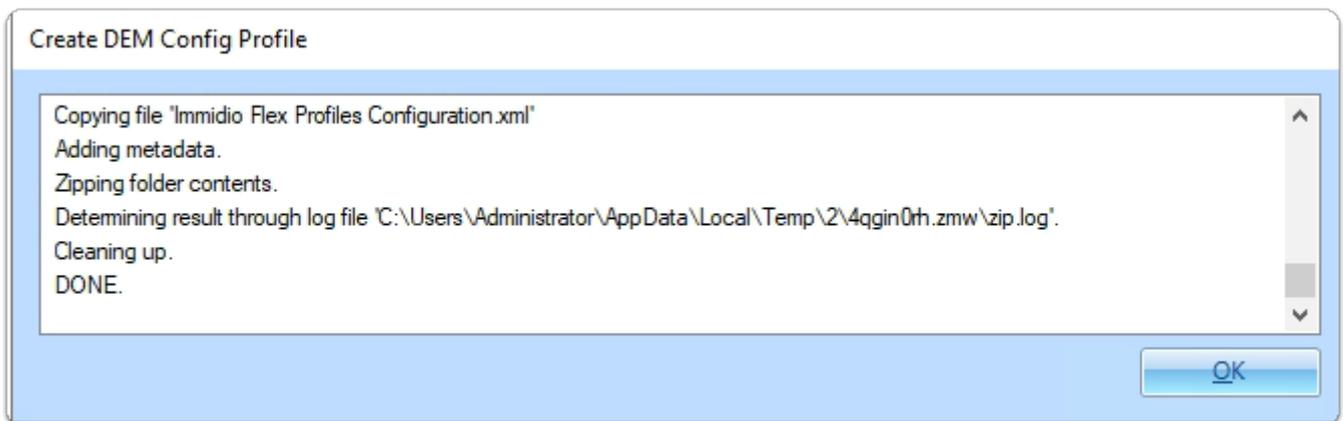


12. On the VMware **Dynamic Environment Manager - Management Console**
 - In the top left-hand corner, select the **STAR** icon
 - In the **DEM Config Profile** drop menu
 - select **Save As**



13. In the **Save As** window
 - Next to **File name:**
 - enter **LivefireVS1**

- Select **Save**



14. In the **Create DEM Config Profile** window

- Select **OK**

Part 4: Configuring Workspace ONE UEM to deliver the Dynamic Environment Manager FlexEngine to Endpoints

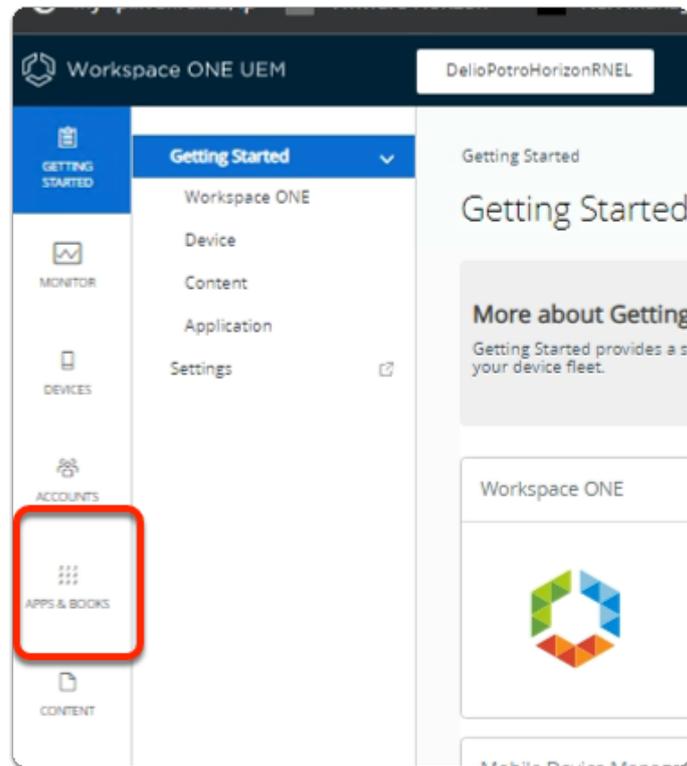
i We completed the configuration of Dynamic Environment manager, we now go about demonstrating what is required to setup the Workspace ONE UEM part of the integration

We will now move on with Device Profile configuration

Configuring Workspace ONE UEM to deliver the Dynamic Environment Manager FlexEngine to Endpoints

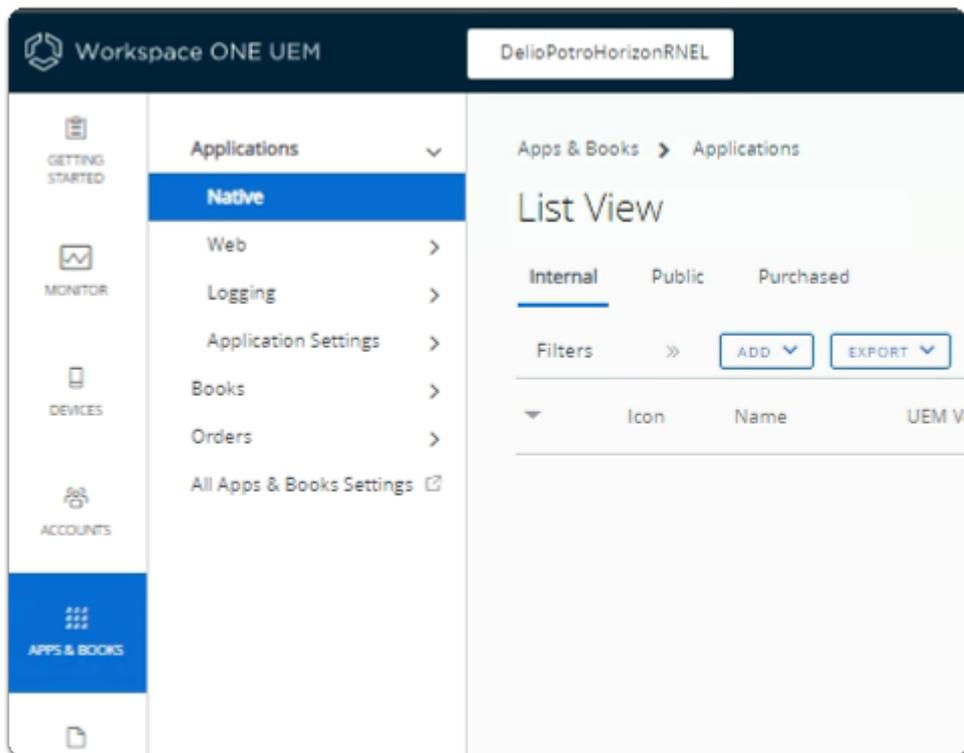
The image shows two screenshots of the Workspace ONE UEM login interface. The top screenshot shows the 'Next' step, where the 'Username' field is empty and the 'Remember' checkbox is unchecked. The bottom screenshot shows the 'Log In' step, where the 'Username' field contains 'delio.potro@gmail.com' and the 'Password' field is masked with dots. Both screenshots feature the Workspace ONE UEM logo and a 'Trouble logging in' link.

1. On your ControlCenter Server
 - Open your **Chrome Browser**
 - In the **address bar**
 - enter **dw-livefire.awmdm.com**
 - In the **Workspace ONE UEM** login
 - Under **Username**,
 - enter your **Custom username**
 - Select **Next**
 - Under **Password**,
 - enter **VMware1!**
 - Select **Log In**



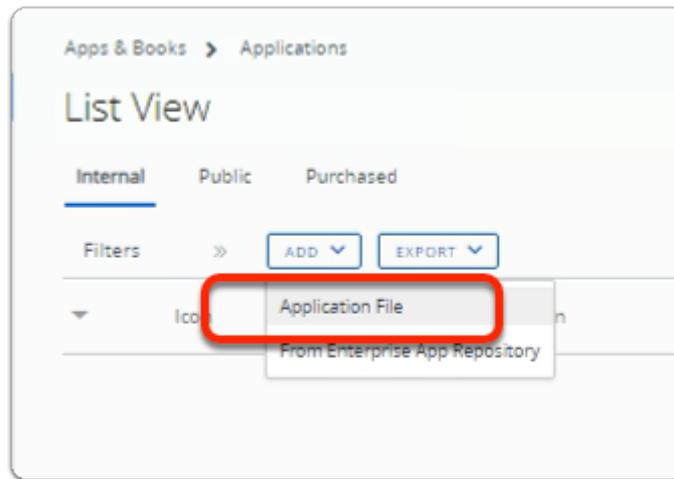
2. In the Workspace ONE UEM console

- Select **APPS & BOOKS**



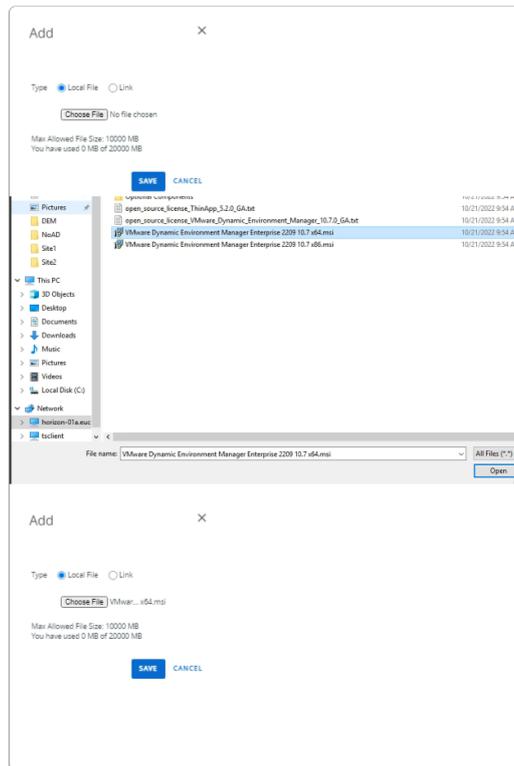
3. In the **APPS & BOOKS** area

- Ensure that you have **Native > List View > Internal** selected.
- This should be **default**



4. In the **APPS & BOOKS** area
 - Under **Internal**, select **ADD** > **Application File**

5. In the **Add Application** window
 - Select **UPLOAD**



6. In the **Add window** interface

- Select **Choose File**
- In the **Open** window,
 - Next to **File Name**
 - enter:- **\\horizon-01a.euc-livefire.com\software\DEM\VMware-DEM-Enterprise-2209-10.7-GA**
- Select **Open**
- In the **VMware-DEM-Enterprise-2206-10.6-GA** folder
 - Select **VMware Dynamic Environment Manager Enterprise 2206 10.6 x64.msi**
 - Select **Open**
- Select **SAVE**

Add Application

Organization Group ID*

Application File*

Is this a dependency app? ⓘ

7. In the **Add Application** window
 - Select **CONTINUE**

Add Application - VMware
Internal | Managed By: HZNADVINTRNELPOD2

Details Files Deployment Options Images

Managed By

Application ID*

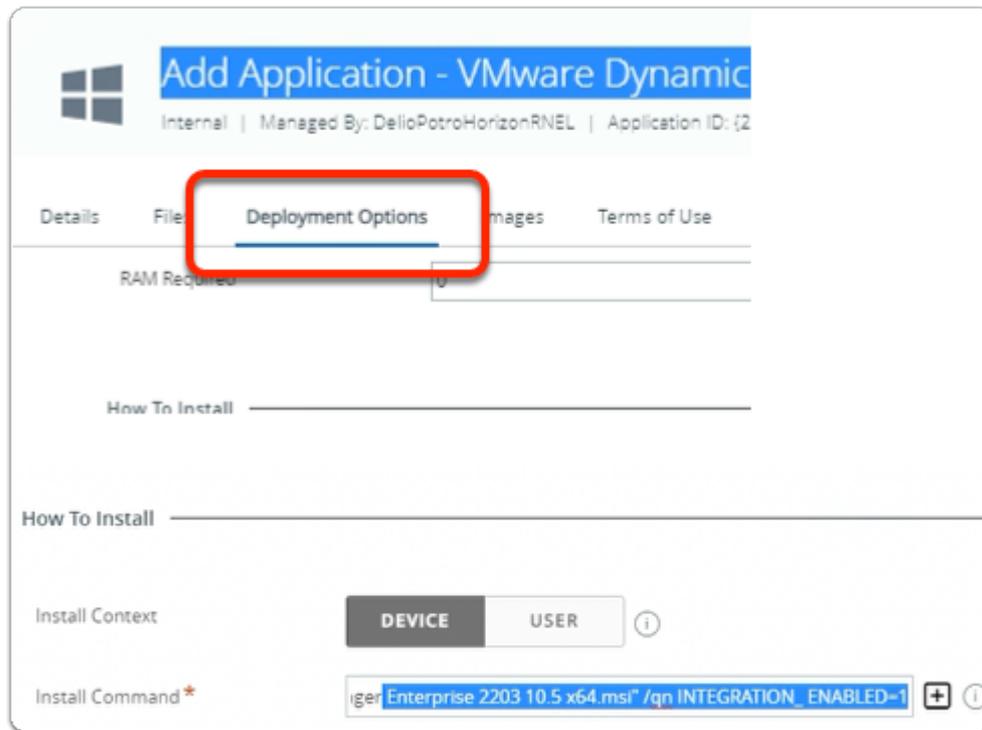
App Version*

Build Version

Current UEM Version

Supported Processor Architecture ⓘ

8. In the **Add Application - VMware Dynamic Environment Manager Enterprise v 10.6.0.1047** window
 - Select the **Details** Tab
 - In the Details area
 - Next to **Supported Processor Architecture**
 - From the **dropdown**,
 - select **64-bit**

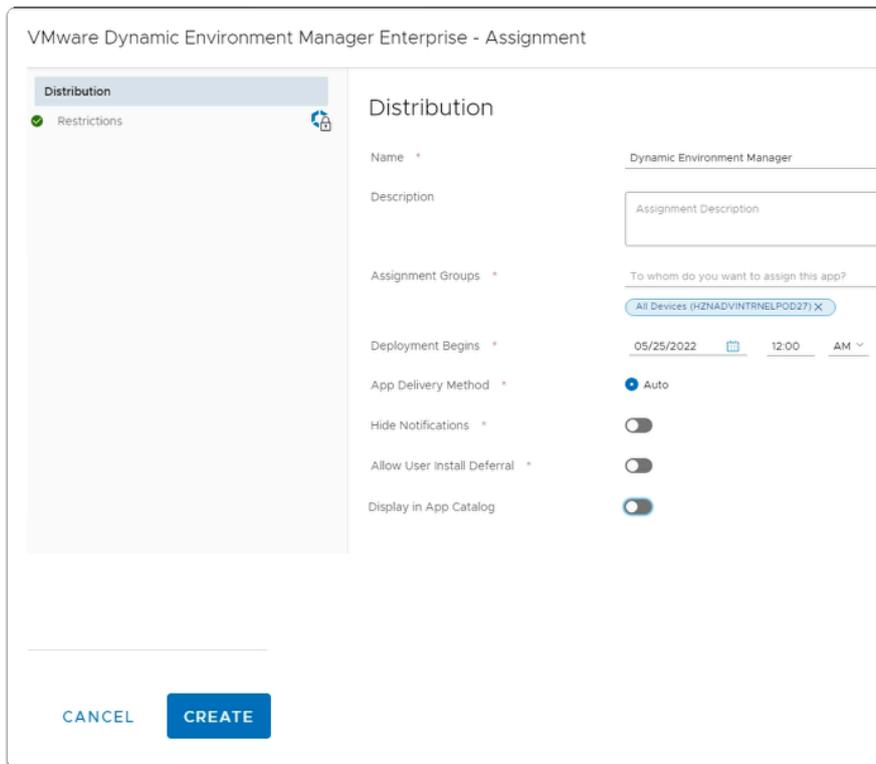


9. In the **Add Application - VMware Dynamic Environment Manager Enterprise v10.6.0.1047** window

- Select the **Deployment Options** Tab
 - Under the **How to Install** area
 - Next to **Install Command***
 - **append** the following the end of the existing command
 - **INTEGRATION_ENABLED=1**
 - The command should look like below when complete
 - msiexec /i "VMware Dynamic Environment Manager Enterprise 2209 10.7 x64.msi" /qn **INTEGRATION_ENABLED=1**
- Select **SAVE & ASSIGN**

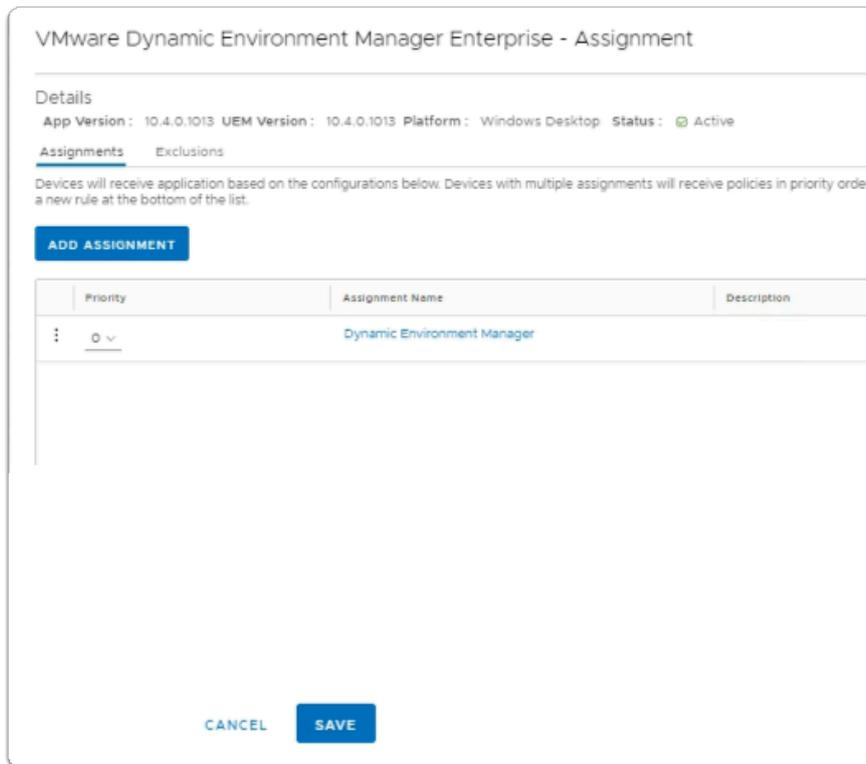


Make sure there is a space between **/qn** and **INTEGRATION_ENABLED=1**



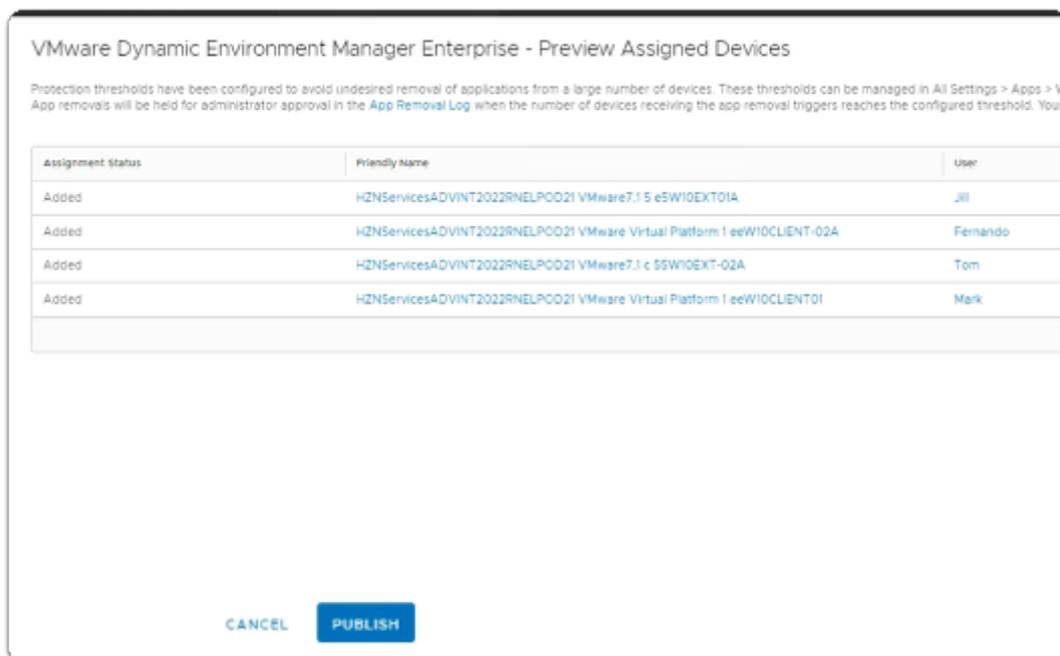
9. In the **VMware Dynamic Environment Manager Enterprise - Assignment** window

- In the **Distribution** area
 - Next to:-
 - **Name :**
 - enter **Dynamic Environment Manager**
 - **Assignment Groups:**
 - select **All devices (YOUR ORGANIZATION)**
 - **Deployment Begins*** **Select the day before**
 - **App Delivery Method *:**
 - next to **Auto**
 - select the **Radio Button**
 - **Display in App Catalog**
 - turn the **Toggle OFF**
 - Select **CREATE**



10. In the **VMware Dynamic Environment Manager Enterprise - Assignment** window

- Select **SAVE**



11. In the **VMware Dynamic Environment Manager Enterprise - Preview Assigned Devices** window

- Select **PUBLISH**

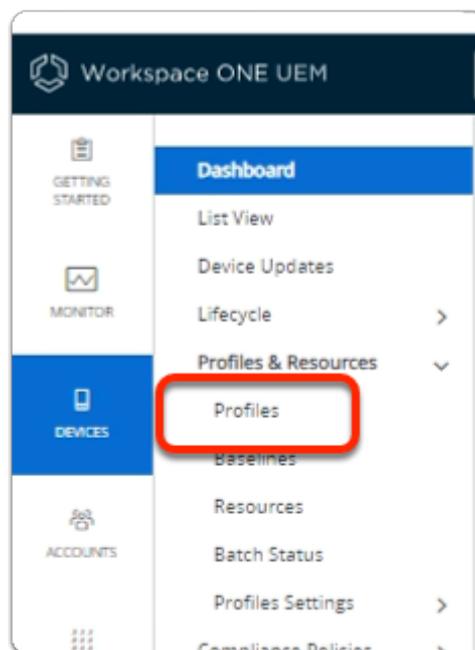
Part 5: Configuring the Workspace ONE UEM Device Profile for VMware Dynamic Environment Manager

- Device Profile configuration brings together our work in the beginning where we configured Dynamic Environment Manager and saved a Configuration file

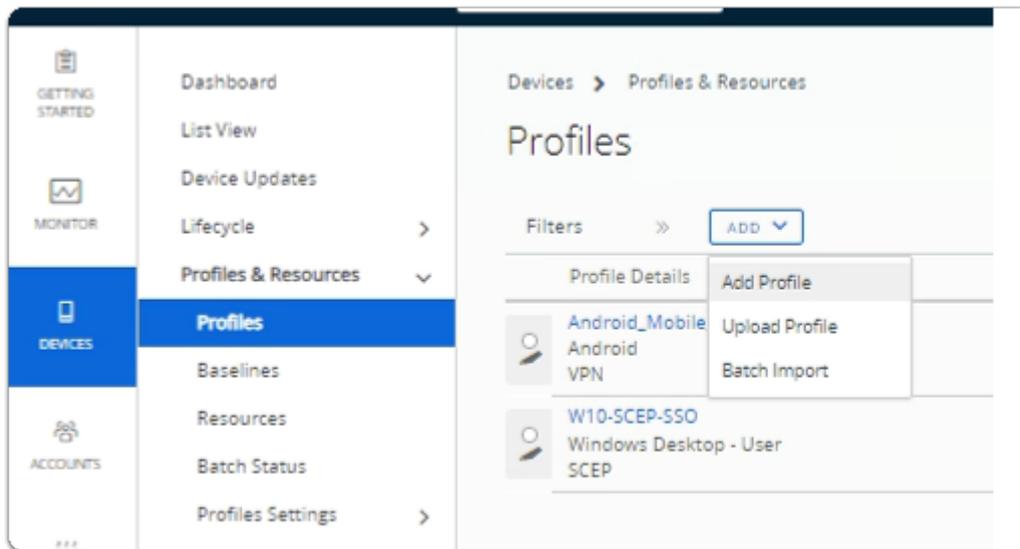
This saved configuration will be uploaded into Workspace ONE UEM

Configuring the Workspace ONE UEM Device Profile for VMware Dynamic Environment Manager

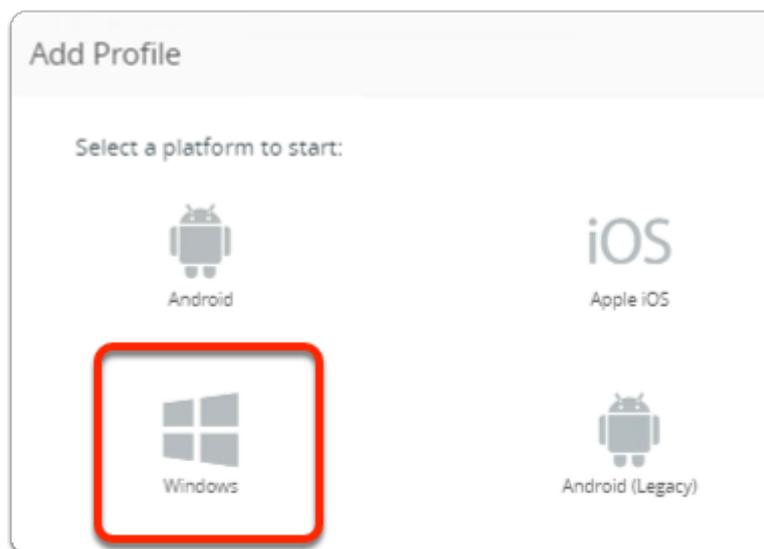
1. On the ControlCenter Server
 - In the **Workspace ONE UEM Admin Console**
 - Select **Devices**
 - Select **Profiles & Resources**



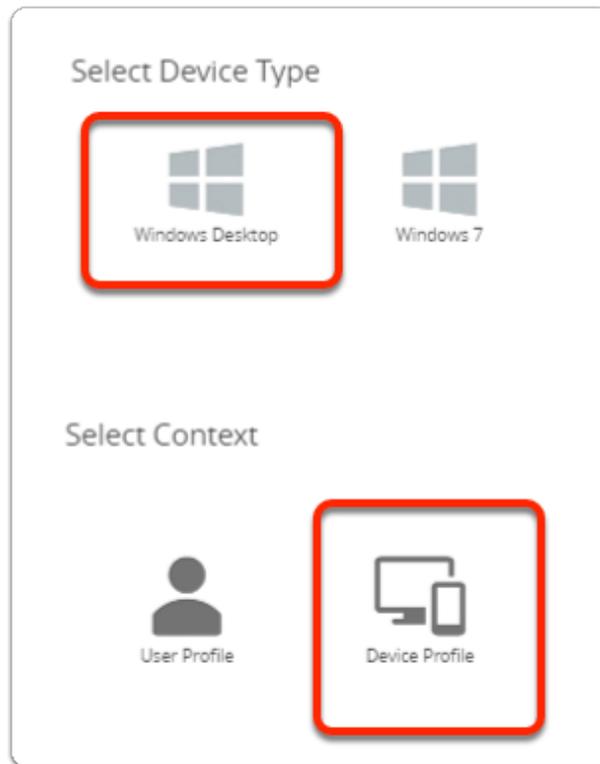
2. In the **Workspace ONE UEM Admin Console**
 - Under **Profiles & Resources**
 - Select **Profiles**



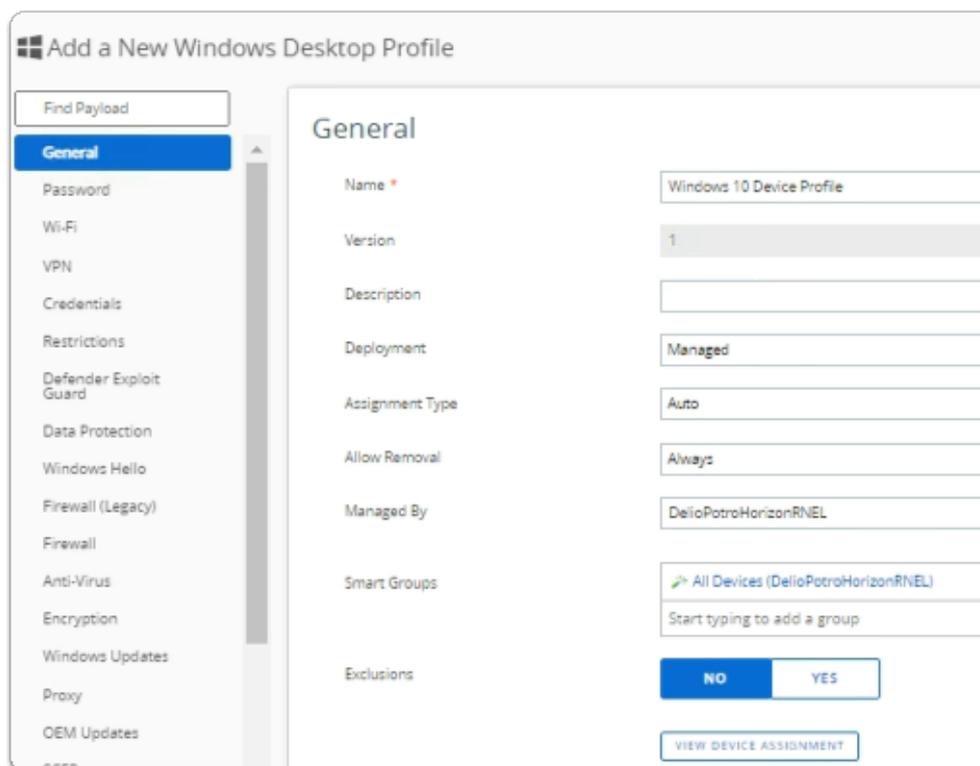
3. In the **Profiles** interface
 - Select the **dropdown** next to **ADD**
 - Select **Add Profile**



4. In the **Add Profile** window
 - Select **Windows**

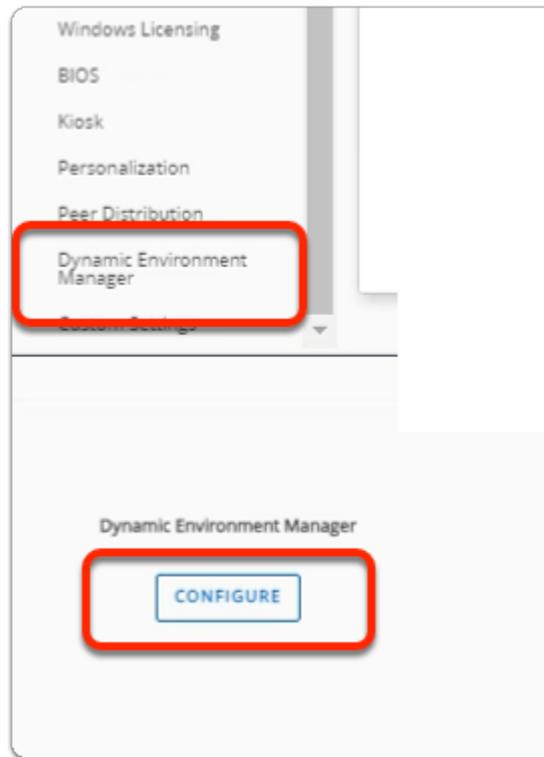


5. In the **Select Device Type** window
 - Select **Windows Desktop**
 - In the **Select Context** window
 - Select **Device Profile**

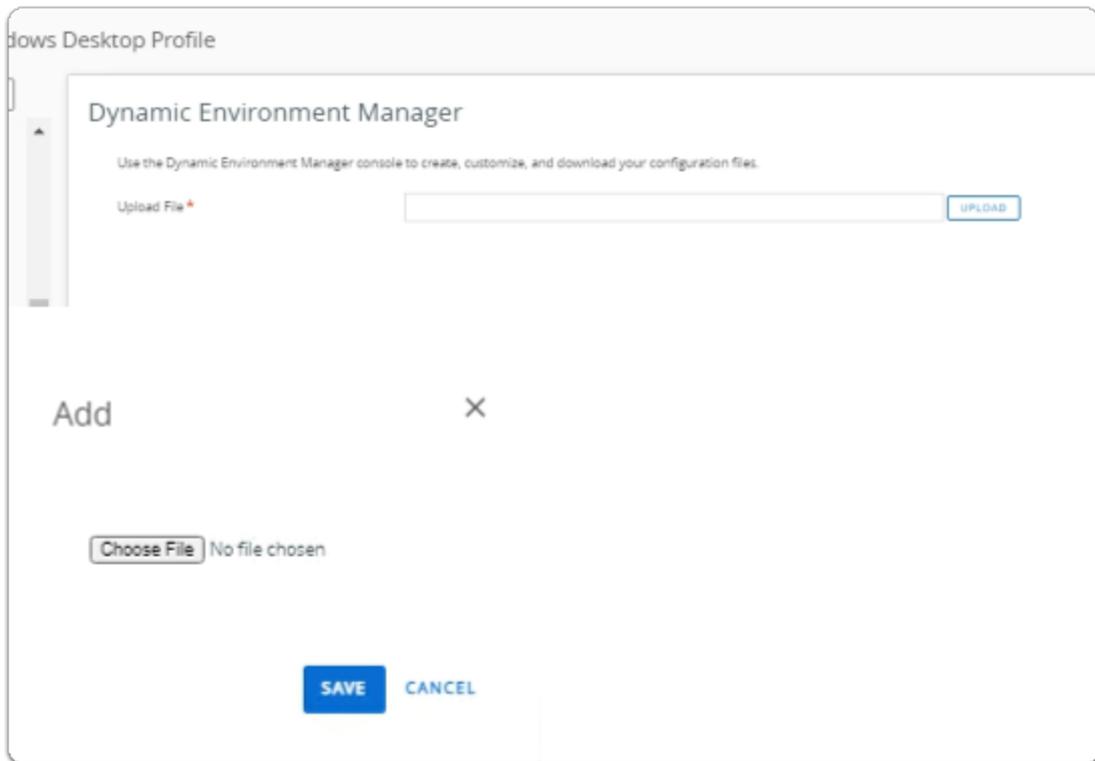


6. In the **Add a New Windows Desktop Profile** window

- In the **General Area**,
 - Add the following next to: -
 - **Name:** type **Windows 10 Device Profile**
 - **Smart Groups:** select **All Devices (YOUR ORGANIZATION)**

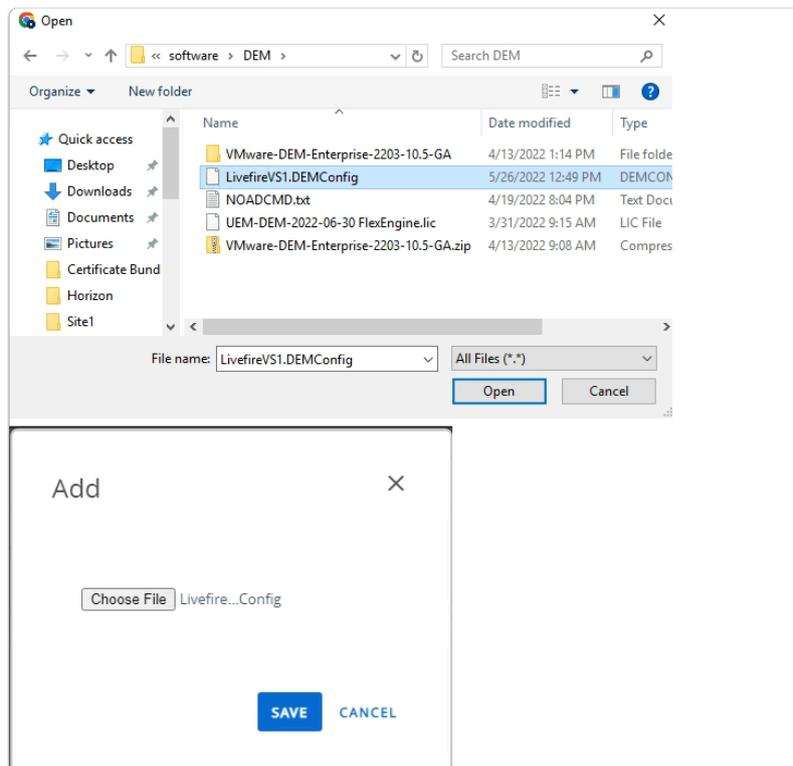


7. In the **Add a New Windows Desktop Profile** window
 - Scroll down and select **Dynamic Environment Manager**
 - In the right-hand pane, select **CONFIGURE**



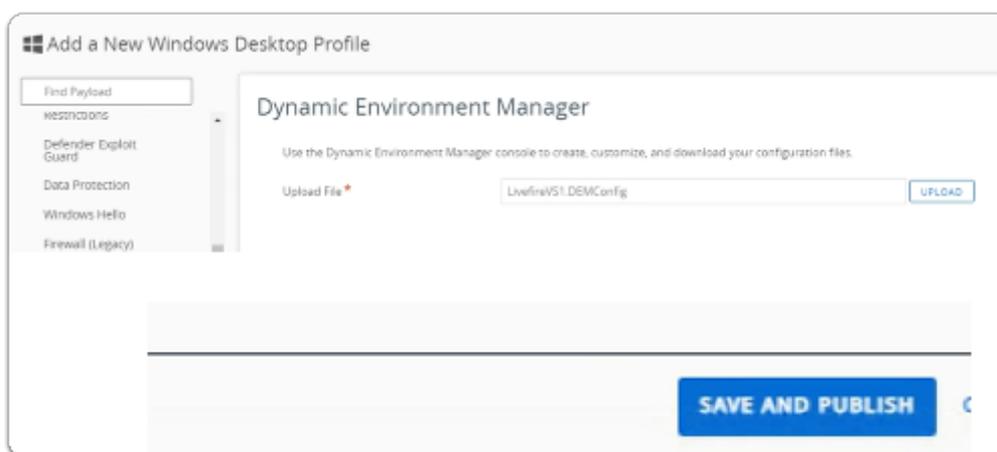
8. In the **Dynamic Environment Manager** pane

- Select **UPLOAD**
- In the **Add** window,
 - Select **Choose File**



9. In the **Open** window

- Next to **File name**,
 - Enter `\\horizon-01a.euc-livewire.com\software\DEM`
 - Select **Open**
- Next to **File name**,
 - Select the **LivewireVS1.DEMConfig** file
 - Select **Open**
- In the **Add** window
 - Select **SAVE**



10. In the **Dynamic Environment Manager** area
 - Select **SAVE AND PUBLISH**

The screenshot shows the 'View Device Assignment' table. It has three columns: 'Assignment Status', 'Friendly Name', and 'User'. There are four rows of data, all with a green checkmark in the 'Assignment Status' column. The 'Items 1-4 of 4' text is visible at the bottom left of the table.

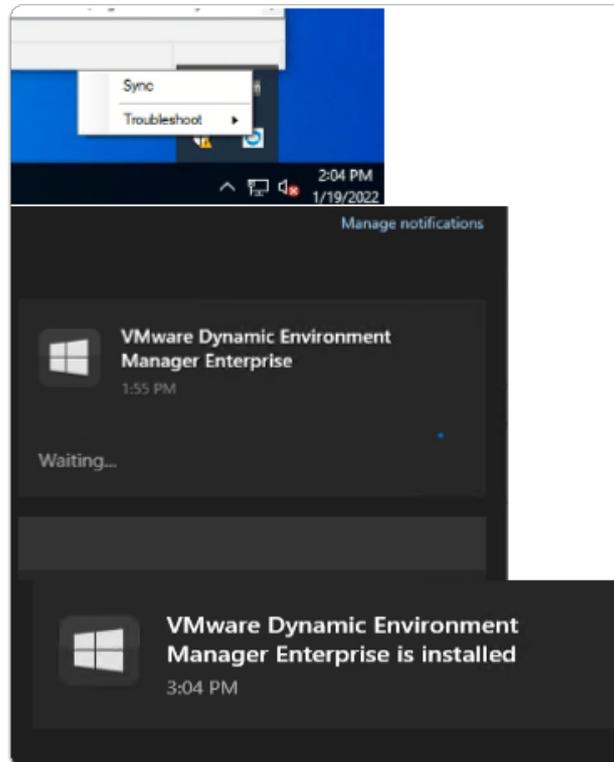
Assignment Status	Friendly Name	User
Added	HZNServicesADVINT2022RNELPOD21 VMware Virtual Platfo...	Mark
Added	HZNServicesADVINT2022RNELPOD21 VMware7.1 5 e5W10E...	Jill
Added	HZNServicesADVINT2022RNELPOD21 VMware Virtual Platfo...	Fernando
Added	HZNServicesADVINT2022RNELPOD21 VMware7.1 c 55W10E...	Tom

11. In **View Device Assignment**
 - Select **PUBLISH**

Part 6: Observing the results on the Windows 10 desktop

 We will now test the configurations from Part 1 to Part 4

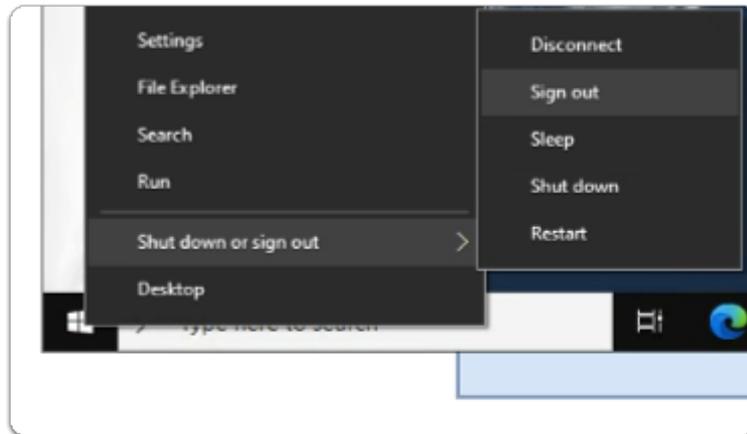
Observing the results on the Windows 10 desktop



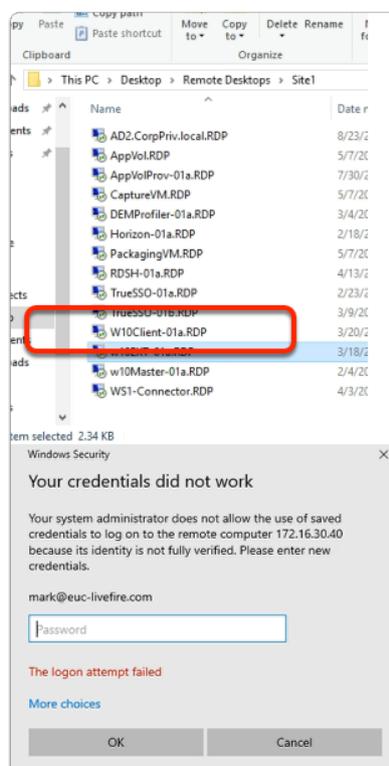
1. On the **W10Client-01a** desktop
 - In the bottom right corner,
 - select the **Intelligent Hub** icon
 - right-click
 - Select **Sync**
 - The deployment delivers the following:-
 - The **Dynamic Environment Manager FlexEngine**,
 - **Configuration Profile**
 - **Licensing file**
 - Select your **Notifications** in the bottom right corner



- Observe if the installation has started
- Wait for it to complete,
 - This could take up to 5 minutes

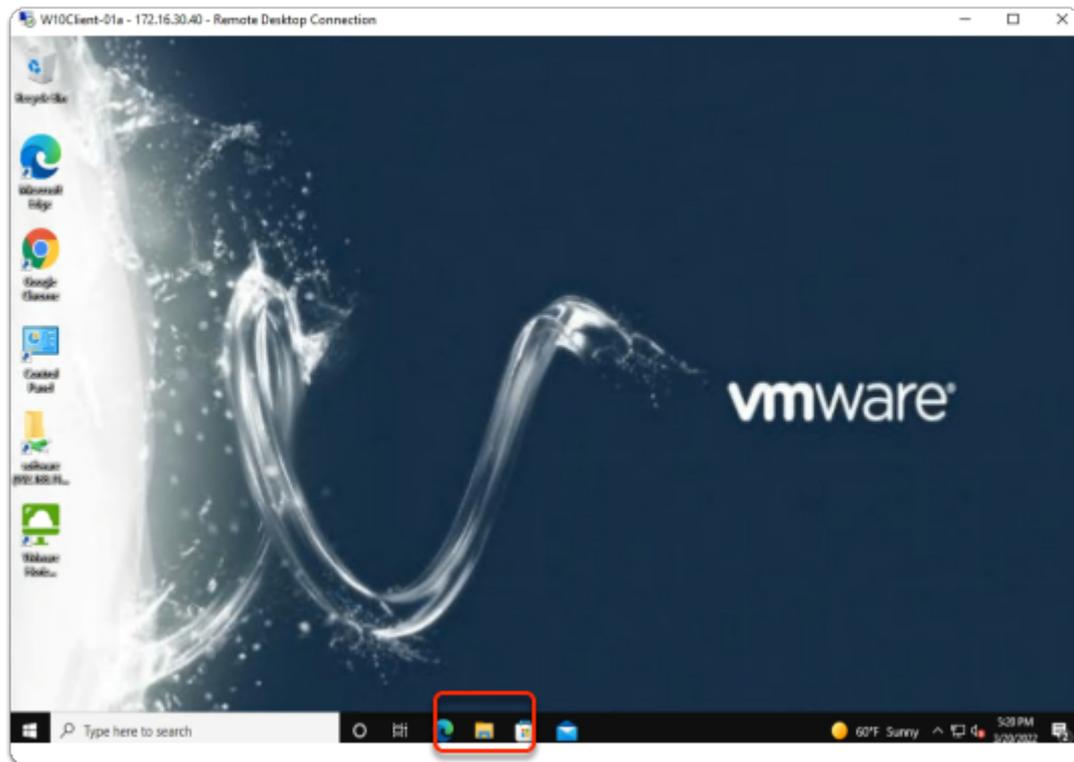


2. On the **W10Client-01a** desktop
 - Select and right-click the **START** button
 - Select **Shut down or sign out** > **Sign out**

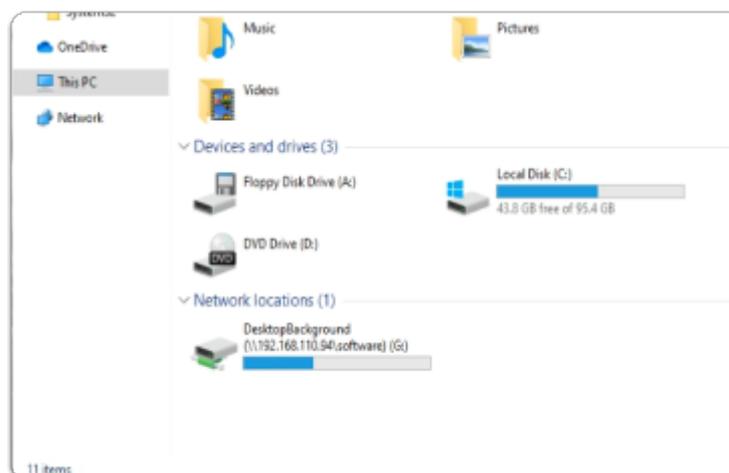


3. On your ControlCenter Server
 - On the **Desktop**
 - In the **Remote Desktops \ Site1** folder

- Select and launch the **W10Client-01a.RDP** shortcut
- In the **Windows Security** window
 - Login with
 - the **username: mark@euc-livefire.com**
 - enter the **password VMware1!**
 - Select **OK**

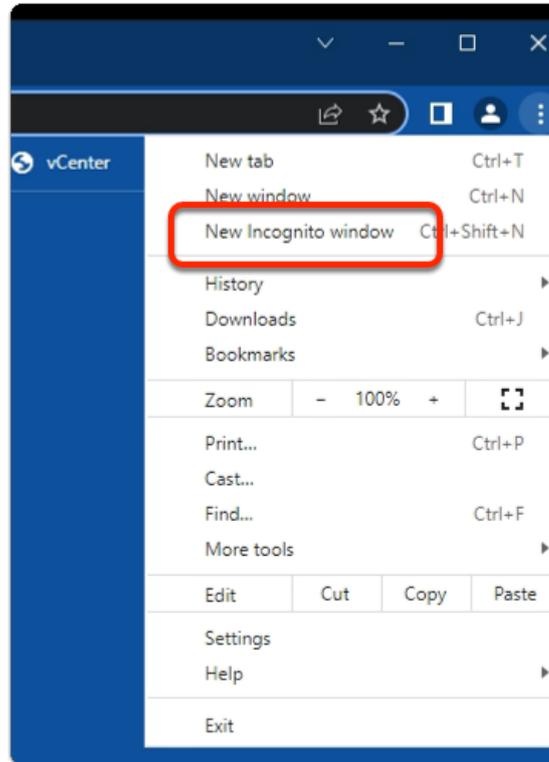


4. On your **W10Client-01a** desktop
 - Observe you should now have a **VMware wallpaper**
 - On your **taskbar**, select the **folder** icon



5. In the **File Explorer** window
 - In the **Quick access** pane,

- Select **This PC**
- In the right pane under **Devices and drives**, **scroll down**
 - Observe you now have a **Drive Mapping**



6. On the ControlCenter server
 - On your **Site 1 Chrome** browser
 - make sure you have no other Incognito windows sessions open
 - Open a **New Incognito window** session
 - In the **address bar**
 - enter your **Workspace ONE Access URL**

Workspace ONE™

Select Your Domain

euc-livefire.com

Remember this setting

Next

vmware

Workspace ONE™

username
Mark

password

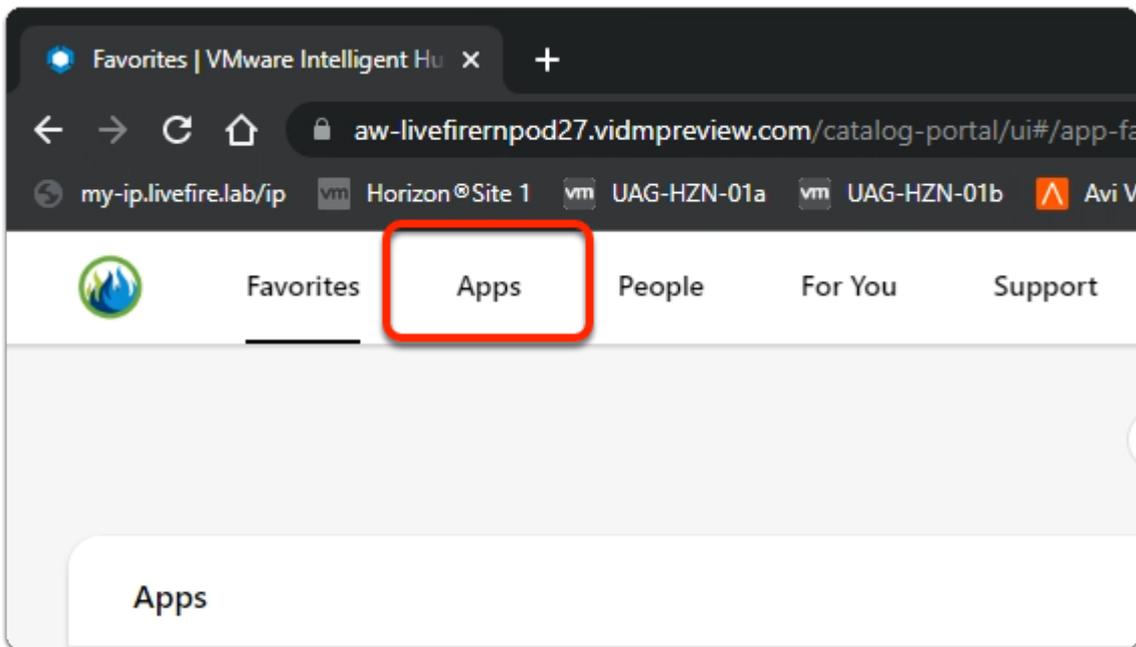
euc-livefire.com

Sign in

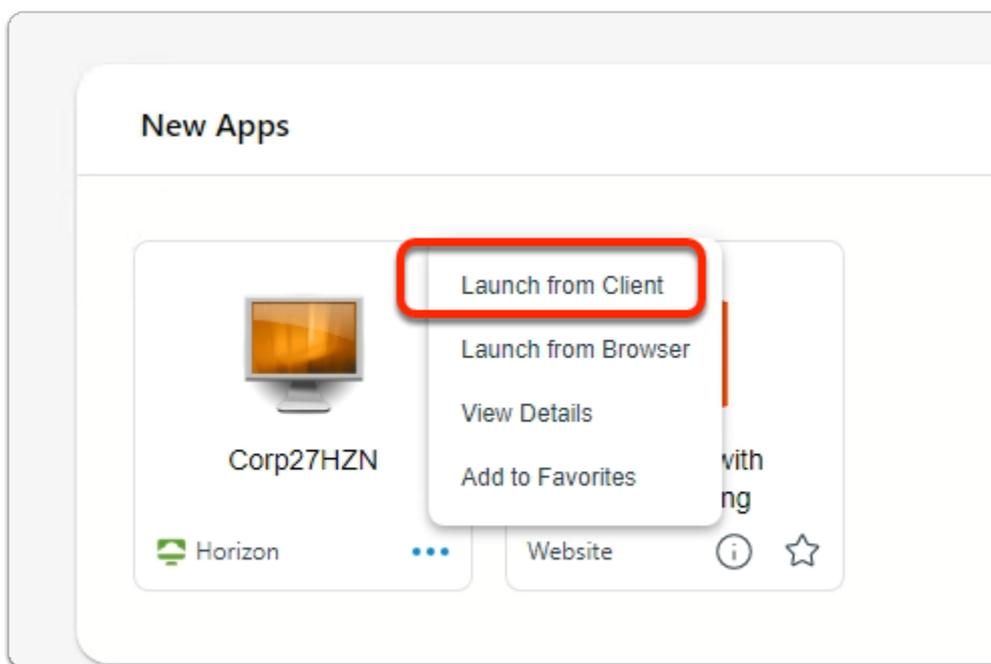
[Forgot password?](#)

[Change to a different domain](#)

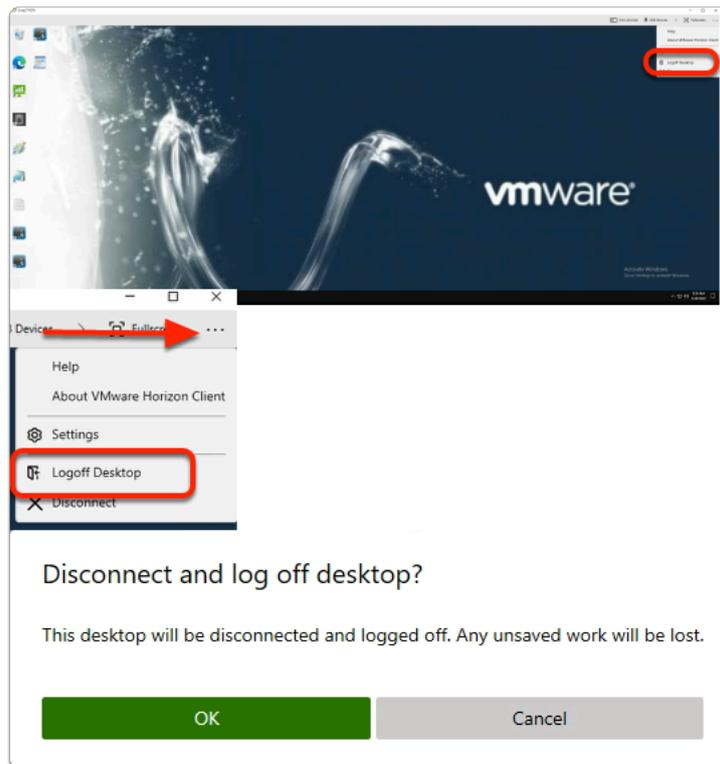
7. In the Workspace ONE Login
 - Under **Select Your Domain**
 - Select **euc-livefire.com**
 - Select **Next**
 - In the **Username** area
 - enter : **mark**
 - In the **Password** area
 - enter : **VMware1!**
 - Select **Sign in**



8. In the **Web Intelligent hub** console
 - Next to **Favorites**
 - select **Apps**



9. In the **Web Intelligent hub** console
 - In the **Apps** area
 - Select and Launch your **Horizon Entitlement**



10. In the Horizon Client

- Notice you have the same wallpaper
- When done, to launch the menu, in the top right corner
 - select the **3 dots**
 - select **Logoff Desktop**
- In the **Disconnect and logoff desktop?** window
 - Select **OK**

i The **ConfigFilePath** : **C:\ProgramData\AirWatch\DEM\UserProfile\Agent\general**

Points to ProgramData, If you were to browse to this path, It Shows the location of where the Agent, XML config and licensing files are saved

The **LogFilename** path **%LOCALAPPDATA%\VMware\DEM\Logs\FlexEngine.log**,

And is where the FlexEngine.log file is saved

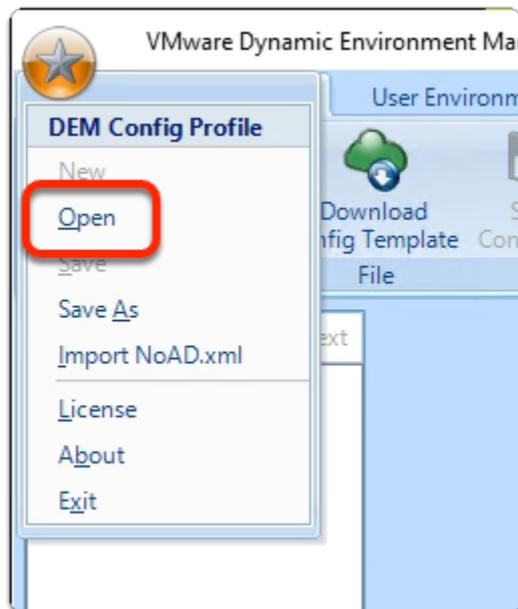
Both these paths can be useful for troubleshooting

Part 7: In Preparation for the OneDrive Day 4 labs

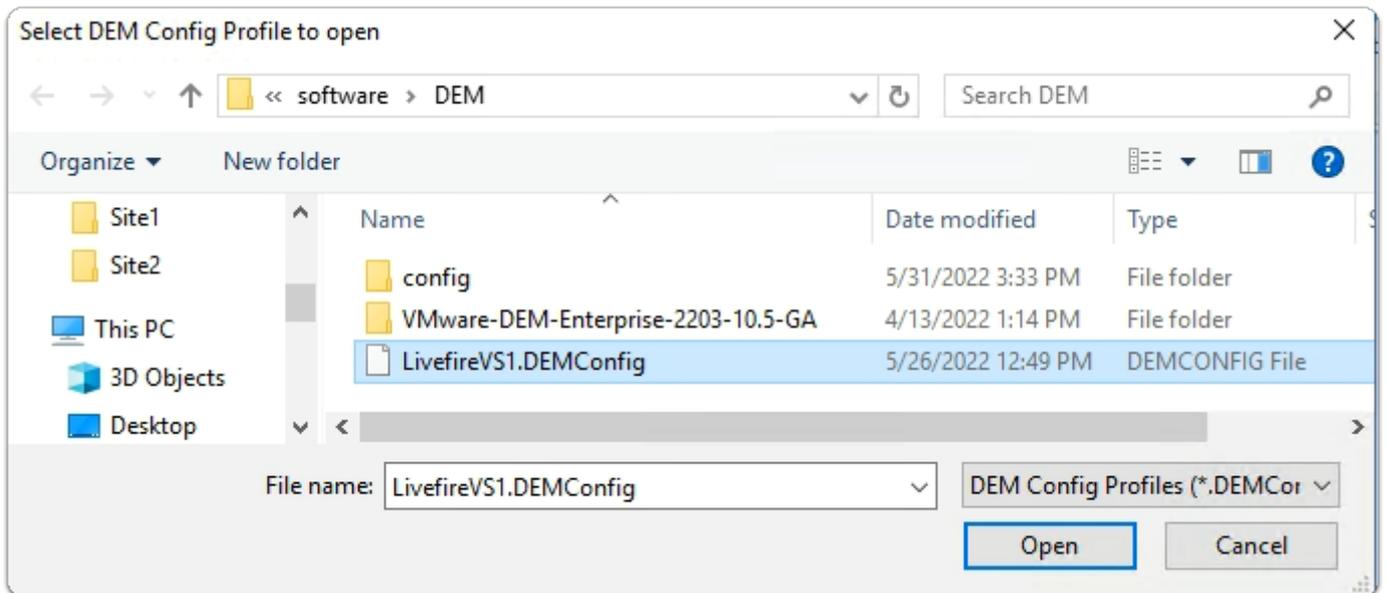
- When completing this lab your **VMware Dynamic Environment Manager - Management Console** will be in DEM / UEM Mode.
- If you happen to close the MMC before you start the **Microsoft OneDrive Integration** lab you will need to re-open your configuration first before continuing
- If you fall into this category, perform the following steps and do not close your **VMware Dynamic Environment Manager - Management Console** unless explicitly asked to do so.



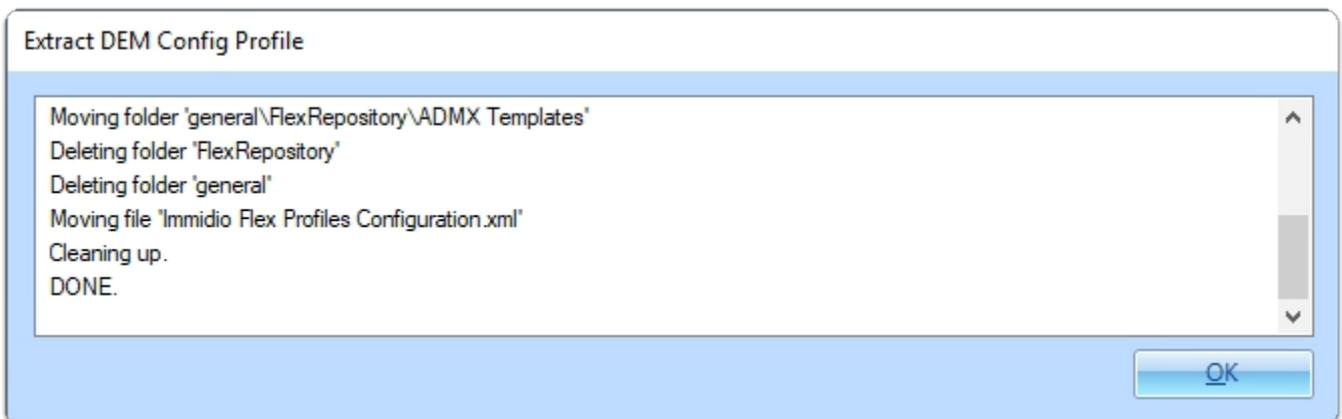
1. On your Controlcenter server
 - From the taskbar, open your **VMware Dynamic Environment Manager - Management Console shortcut**



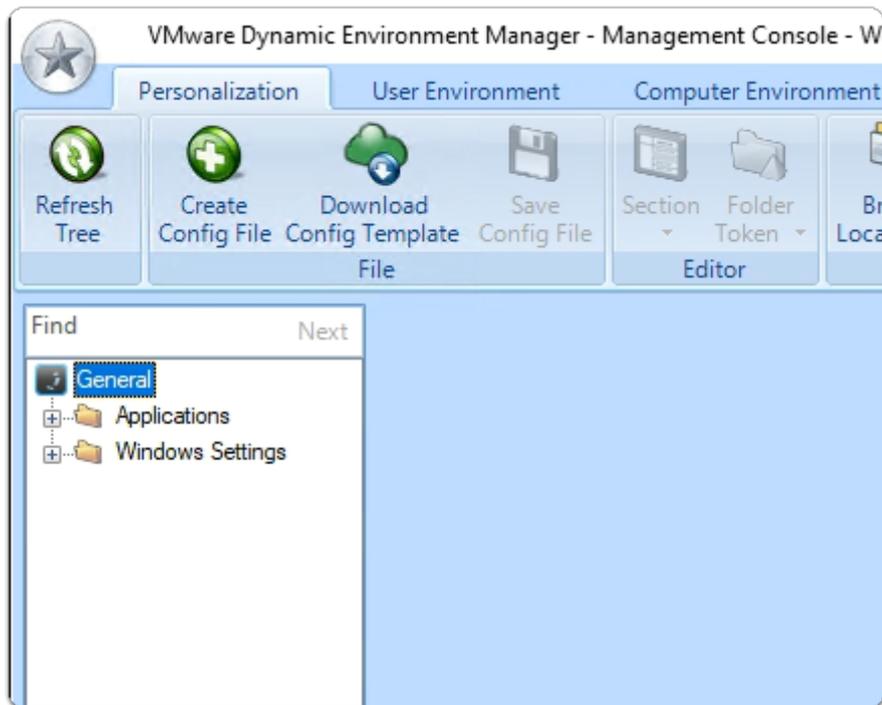
2. In the **VMware Dynamic Environment Manager - Management Console**
 - In the top right-corner
 - Select the **STAR** icon
 - From the **Menu**, select **Open**



3. In the **Select DEM Config Profile to open** window
 - Select the **LivefireVS1.DEMConfig** file
 - This was the config file you created in this lab
 - Select **Open**



4. In the **Extract DEM Config Profile** window
 - Select **OK**



5. In the **VMware Dynamic Environment Manager - Management Console**

- Note that you have configurations back
- It might worth validating your wall paper and Drive mapping configurations are still there
- If you happen to close this MMC prior to starting lab 3 on Day 4. You will have to repeat these steps

Acknowledgements

A big thank you to Pim van de Vis for his support and guidance, Pim is a EMEA Enterprise SE at VMware

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