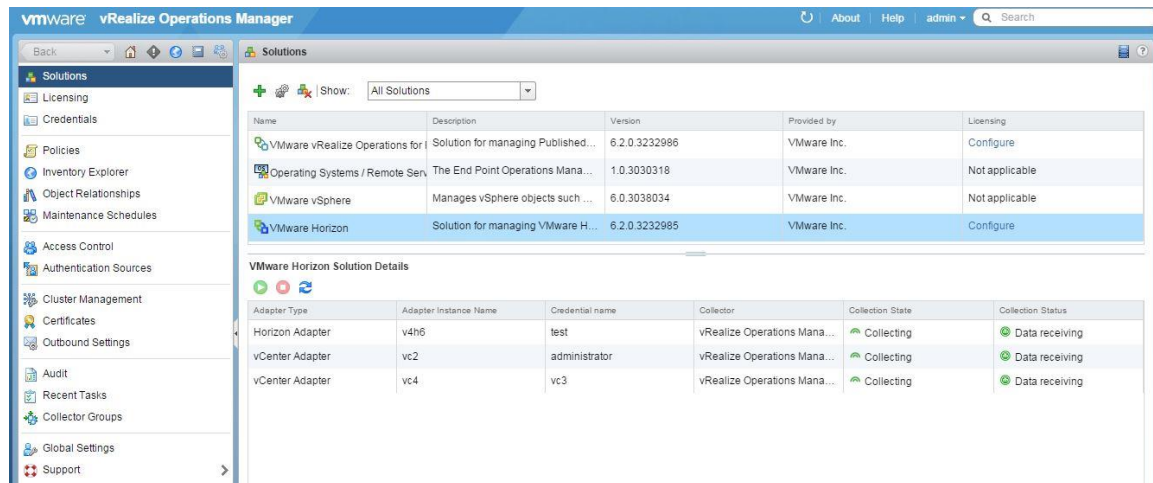


How to deploy vRealize Operations for Horizon to 6.2

January 2016 | Cameron Fore, Staff Engineer, VMware EUC



Disclaimer:

This document is not intended to be an in-depth planning document for installing the vROPs for Horizon solution. This document is focused on providing the necessary steps and order of operations for the deployment process, and for the various components of the solution. Version numbers may differ from what is shown in this document.

Downloading necessary installation files:

The files required for installation that will be downloaded in this section:

1. vRealize Operations for Horizon Adapter (.pak)
2. vRealize Operations for Horizon Desktop agent(s). 64-bit or 32-bit (.exe)
3. vRealize Operation for Horizon Broker Agent 64-bit (.exe)
4. vRealize Operations Manager 6.1.0 Virtual Appliance (.ova)

Step 1: Navigate to the

<https://my.vmware.com/web/vmware/downloads> website, and login with your myvmware site credentials.

Step 2: Scroll to the “Desktop & End-User Computing” section, locate the VMware vRealize Operations for Horizon and Published Applications solution and click the Download Product link.

Desktop & End-User Computing

VMware Horizon 6	Download Product Drivers & Tools Download Trial Get Training
VMware Horizon (with View)	Download Product Drivers & Tools Get Training
VMware Horizon Air	Download Product Drivers & Tools Get Training
VMware Horizon DaaS	Download Product Drivers & Tools Get Training
VMware Horizon Flex	Download Product Drivers & Tools Download Trial Get Training
VMware Horizon Clients	Download Product Drivers & Tools Get Training
Horizon Application Management Bundle	Download Product Drivers & Tools Get Training
VMware User Environment Manager	Download Product Drivers & Tools Download Trial Get Training
VMware App Volumes	Download Product Drivers & Tools Download Trial
VMware Identity Manager	Download Product Drivers & Tools Download Trial
VMware Workspace	Download Product Drivers & Tools Get Training
VMware Mirage	Download Product Drivers & Tools Download Trial Get Training
VMware vRealize Operations for Horizon and Published Applications	Download Product Drivers & Tools
VMware ThinApp	Download Product Drivers & Tools Get Training
VMware Workstation Pro	Download Product Drivers & Tools Download Trial
VMware Workstation Player	Download Product
VMware Fusion	Download Product Drivers & Tools Download Trial

Step 3: Locate the VMware vRealize Operations for Horizon 6.2.x solution, and click the Go to Downloads link.

Home / VMware vRealize Operations for Horizon and Published Applications

Download VMware vRealize Operations for Horizon and Published Applications

Select Version: Customers who have purchased VMware vRealize Operations for Horizon can download their relevant installation package from the product download tab below.

[Read More](#)

[Product Downloads](#) | [Drivers & Tools](#) | [Open Source](#) | [Custom ISOs](#)

Product	Release Date	
VMware vRealize Operations for Horizon 6.2.0	2015-12-08	Go to Downloads
VMware vRealize Operations for Published Applications 6.2.0	2015-12-08	Go to Downloads

Product Resources
[View My Download History](#)
[Product Info](#)

Documentation
[Horizon](#)
[Published Applications](#)

Step 4: On the following page, make sure that correct version you want to download is selected. Then click the Download Now button next to the vRealize Operations for Horizon Adapter. If you are not already logged into the My VMware site, you will be required to do so before you able to download the files.

Home / VMware vRealize Operations for Horizon 6.2.0

Download VMware vRealize Operations for Horizon 6.2.0

Select Version 6.2.0

Description VMware vRealize Operations for Horizon 6.2.0

Documentation [Release Notes](#)

Release Date 2015-12-08

Type Product Binaries

Product Resources

- [View My Download History](#)
- [Product Info](#)

Documentation

- [Horizon](#)
- [Published Applications](#)

[Product Downloads](#) [Drivers & Tools](#) [Open Source](#) [Custom ISOs](#)

Product/Details

vRealize Operations for Horizon Adapter
File size: 8.75 MB
File type: .pak

[Read More](#)

[Download Now](#)

[Download Manager](#)

Step 5: Accept the terms and conditions on the VMware End User License Agreement prompt.

VMware End User License Agreement

VMWARE END USER LICENSE AGREEMENT

PLEASE NOTE THAT THE TERMS OF THIS END USER LICENSE AGREEMENT SHALL GOVERN YOUR USE OF THE SOFTWARE, REGARDLESS OF ANY TERMS THAT MAY APPEAR DURING THE INSTALLATION OF THE SOFTWARE.

IMPORTANT-READ CAREFULLY: BY DOWNLOADING, INSTALLING, OR USING THE SOFTWARE, YOU (THE INDIVIDUAL OR LEGAL ENTITY) AGREE TO BE BOUND BY THE TERMS OF THIS END USER LICENSE

I agree to the terms and conditions outlined in the End User License Agreement

[Accept](#) [Decline](#)

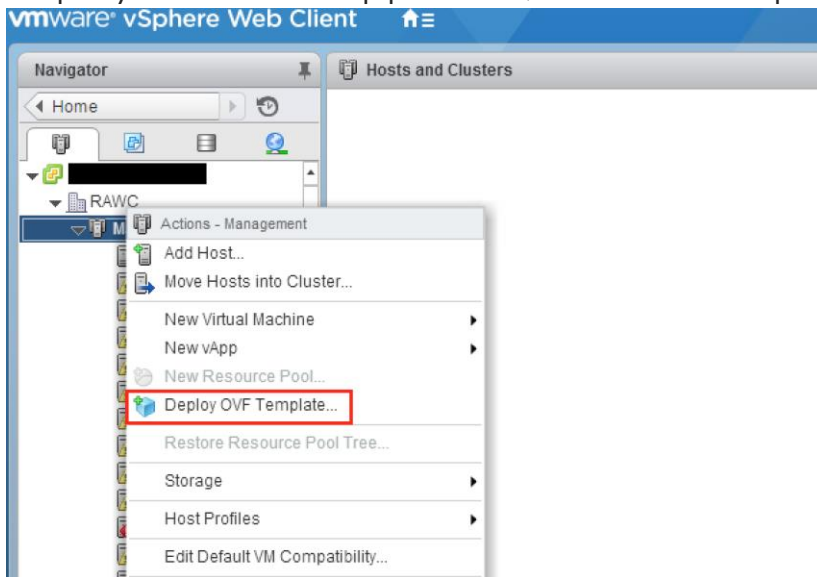
Step 6: In addition to the Horizon Adapter, you will need to click the Download Now button for the remaining files: vRealize Operations Desktop Agent, vRealize Operations for Horizon Broker Agent, and the vRealize Operations Manager 6.1.0 appliance.

File	Information
vRealize Operations for Horizon Adapter	Download Now Download Manager
File size: 8.75 MB File type: .pak Read More	
vRealize Operations for Horizon Desktop Agent 64-Bit	Download Now Download Manager
File size: 80.02 MB File type: .exe Read More	
vRealize Operations for Horizon Desktop Agent	Download Now Download Manager
File size: 77.86 MB File type: .exe Read More	
vRealize Operations for Horizon Broker Agent 64-Bit	Download Now Download Manager
File size: 73.54 MB File type: .exe Read More	
vRealize Operations Manager 6.1.0 Virtual Appliance (.ova)	Download Now Download Manager
File size: 1.773 GB File type: ova Read More	

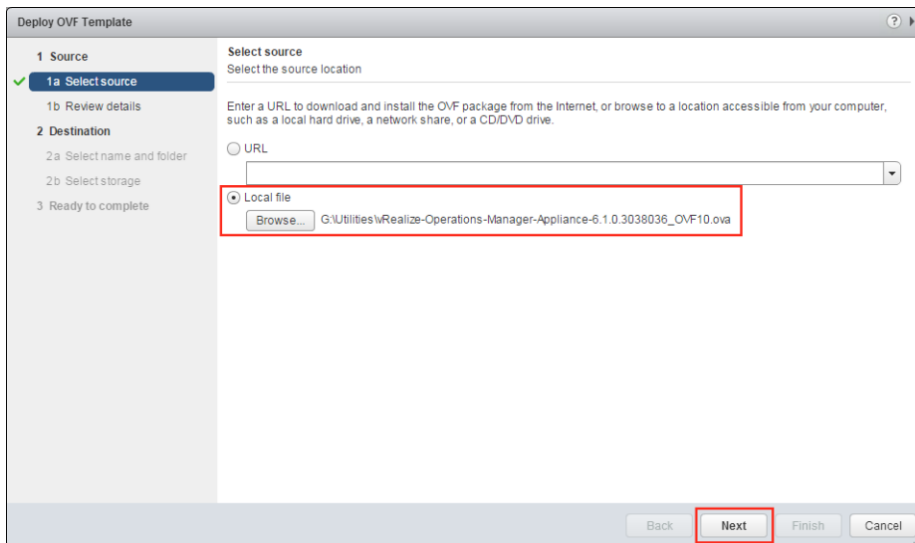
Deploying the vROPs Manager 6.1.0 appliance:

Before proceeding, make sure you have a static IP address and DNS entry for your vROPs Manager appliance. The ova deployment process will ask for this information, and while it is not required, it is best to deploy with a static vs DHCP address.

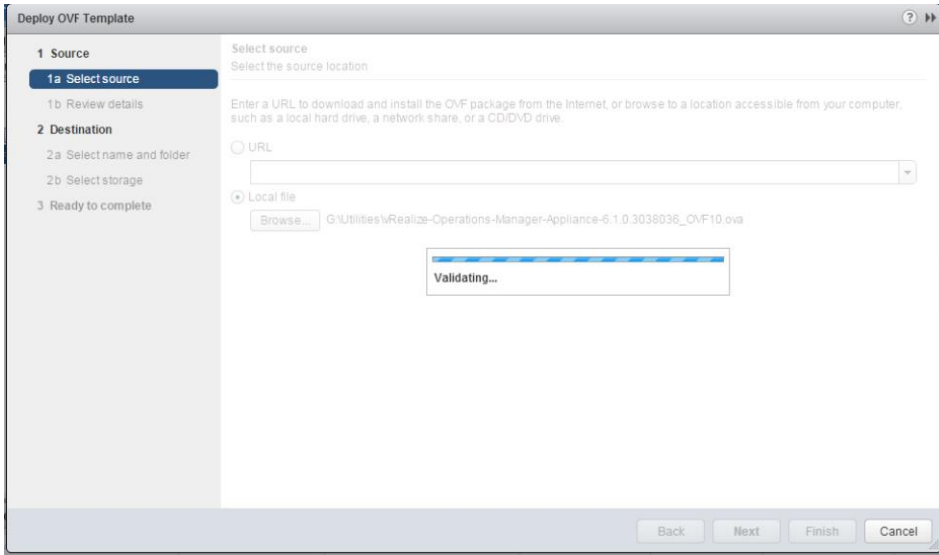
Step 1: Login to your vCenter Server Web Client. Navigate to Hosts and Clusters, right-click on the cluster or host you want to deploy the vROPs appliance, and click Deploy OVF Template.



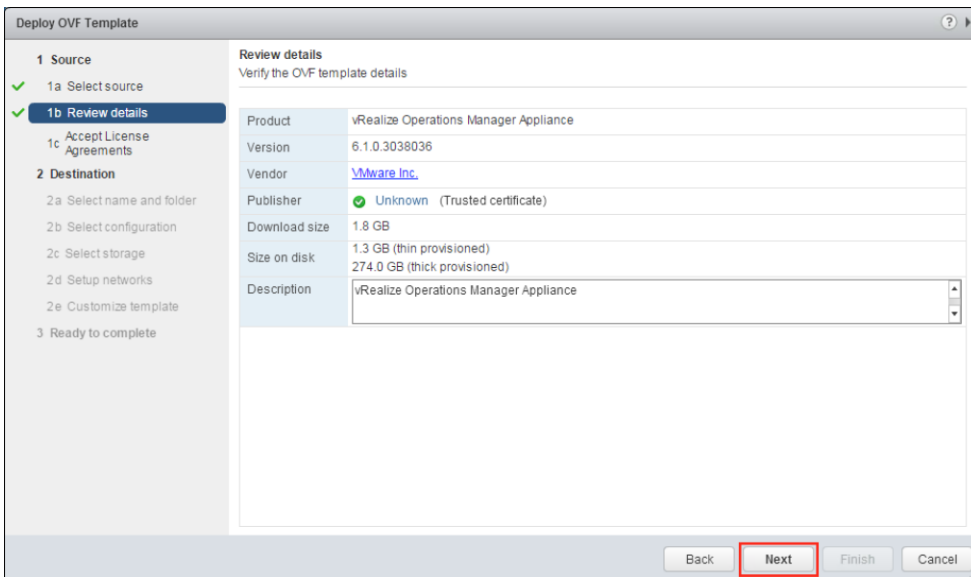
Step 2: On the Deploy OVF Template dialogue prompt, click Browse to select the vROPs 6.1.x appliance ova, then click Next to continue.



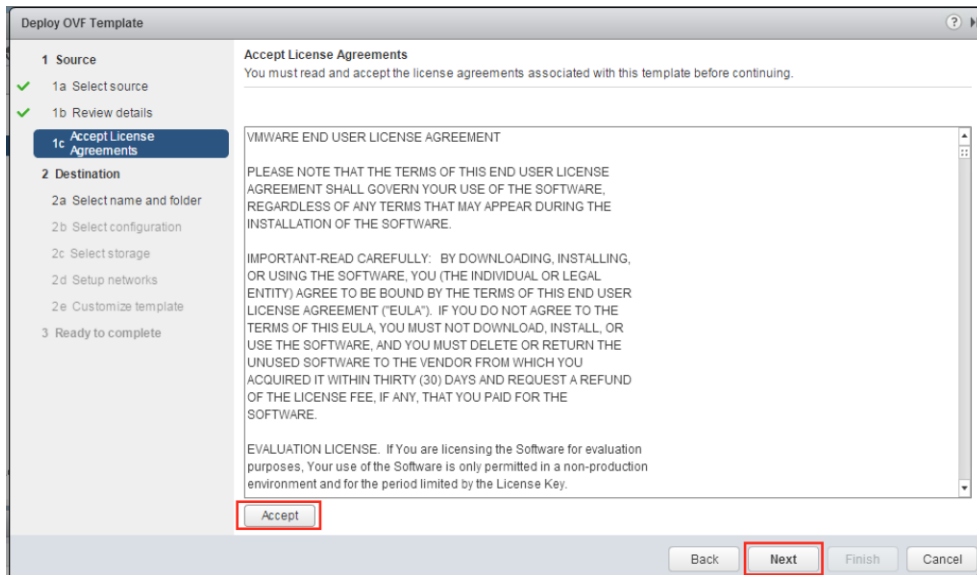
The ova will then be validated for deployment.



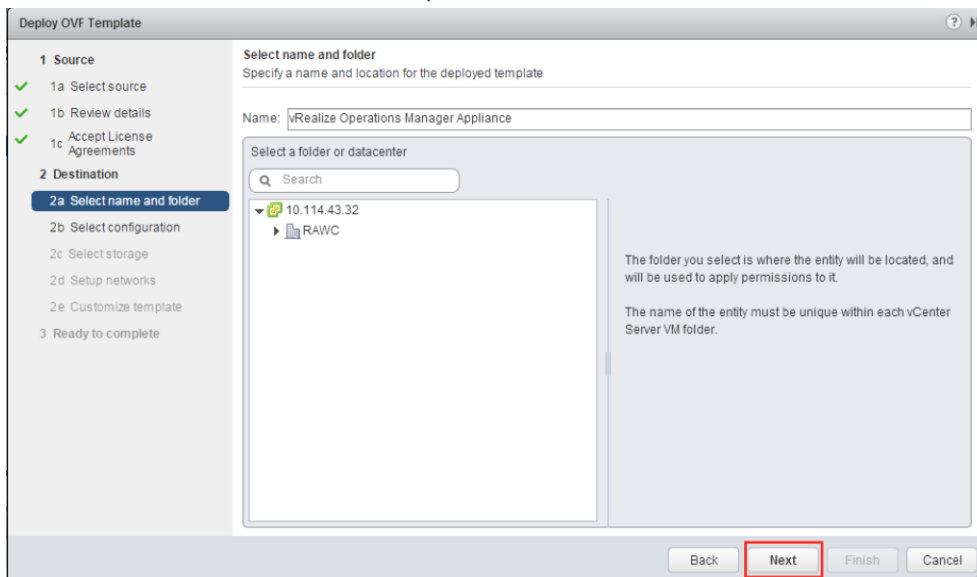
Step 3: Review the details of the deployment, and click Next to continue.



Step 4: Review the license agreement, click Accept and Next to continue.



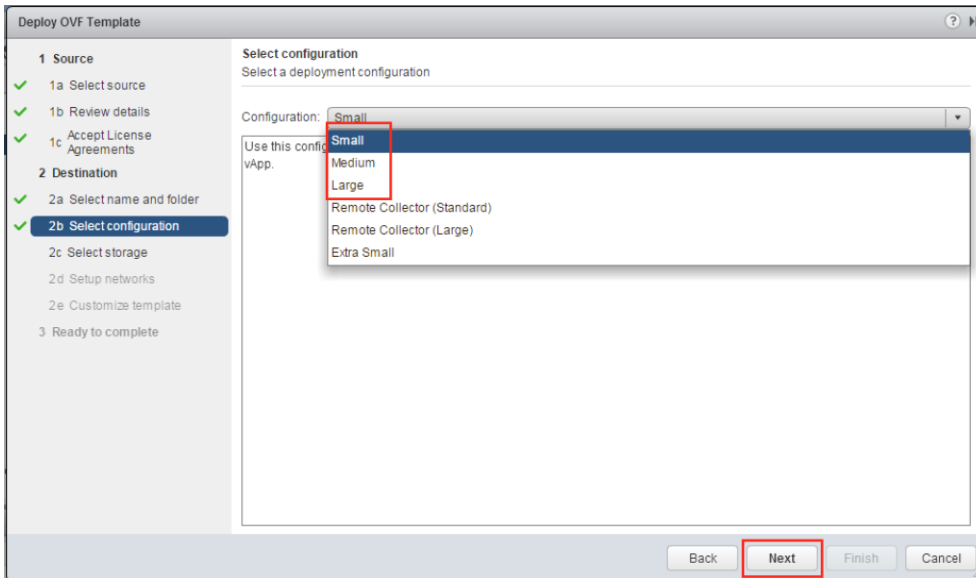
Step 5: Name the appliance, or leave the default, select the destination datacenter, and click Next to continue.



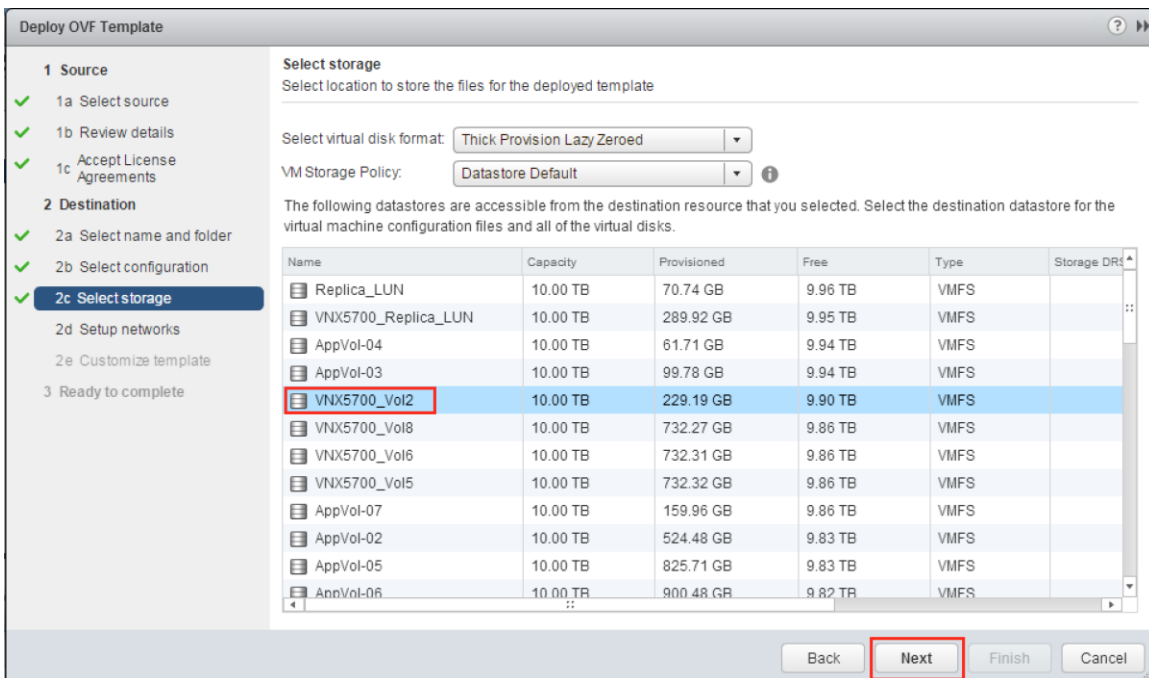
Step 6: Choose the appliance size based on the number of concurrent sessions being monitored in the Horizon View environment. Click Next to Continue.

Best practice sizing guidelines are available at the following url:

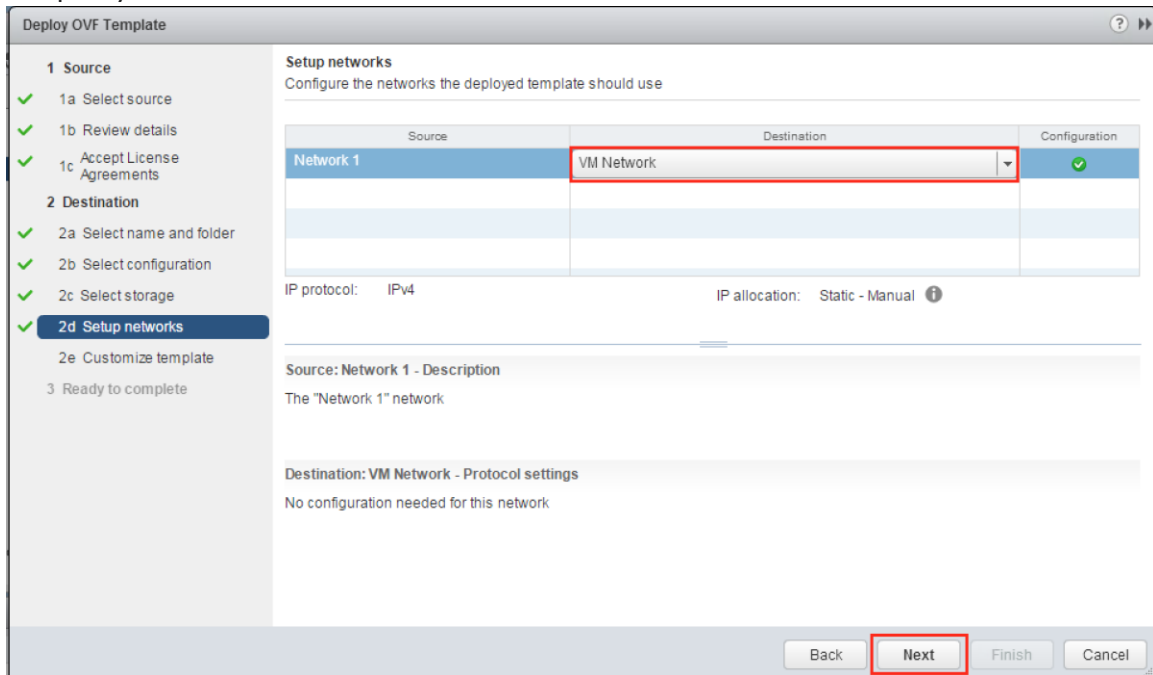
http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2098051



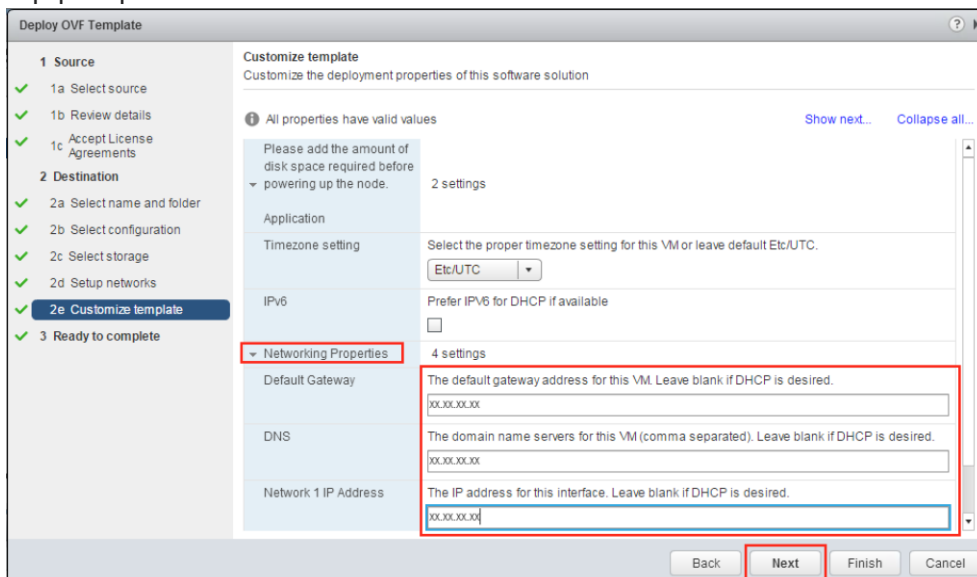
Step 7: Select the datastore the appliance will be deployed to, and click Next.



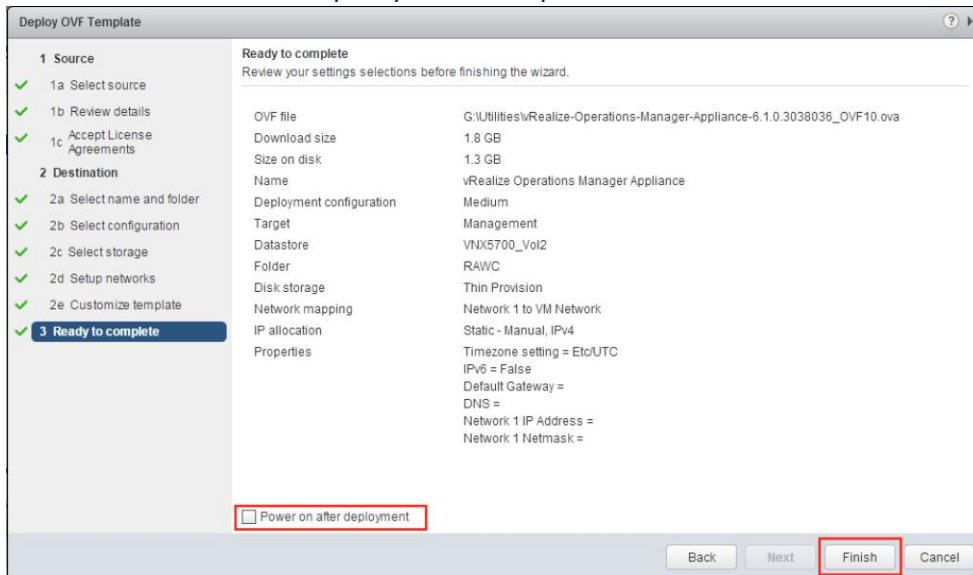
Step 8: Select the correct network for the appliance to be deployed to, and click Next.



Step 9: Click the Network Properties section to expand the available options that are visible. Fill out the forms with the appropriate network information. Click Next to continue.

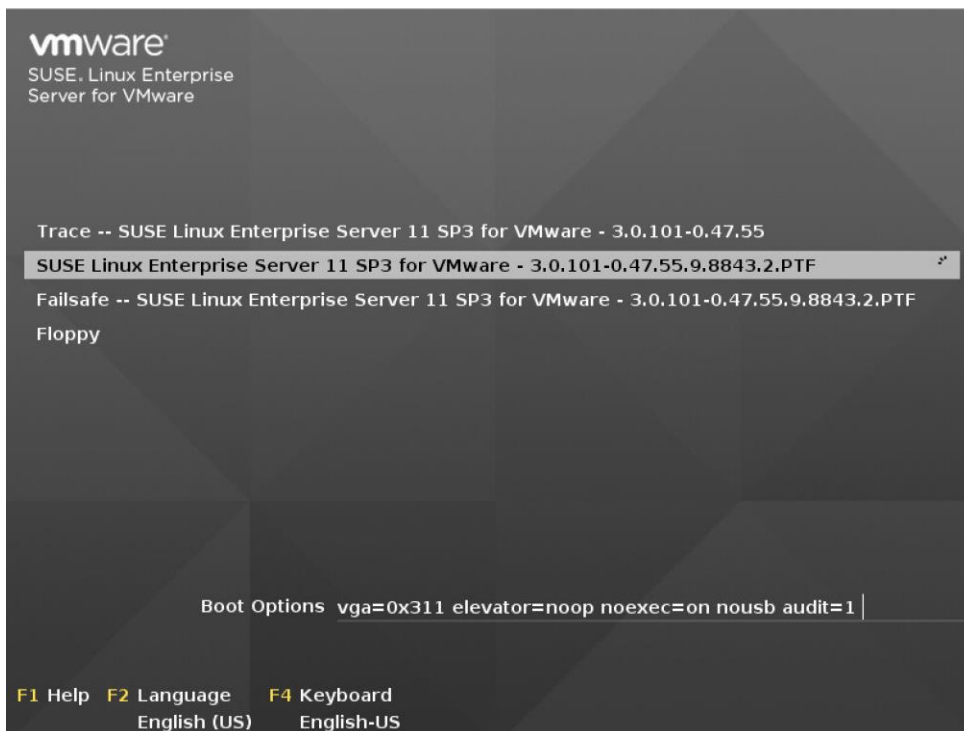


Step 10: Review the settings for the deployment. Click Finish to begin the deployment process. Optionally you can click the Power on after deployment option.



Initializing the vROPs appliance:

Step 1: Power on the vROPs appliance, and open the remote console from vCenter.



Step 2: When the initial appliance configuration has completed, verify the web portal IP/URL to continue the configuration process.

```
vRealize Operations Manager Appliance
VMware, Inc. VMware Virtual Platform
Intel(R) Xeon(R) CPU E5-2690 0 @ 2.90GHz 16GiB Memory

Welcome to the vRealize Operations Manager Appliance
To set up your environment, browse to one of the URLs provided below
and verify that the certificate's SHA1 thumbprint is:
04:09:FA:BB:46:6D:2A:09:07:02:AA:55:BF:D1:6A:E1:59:E4:84:6B

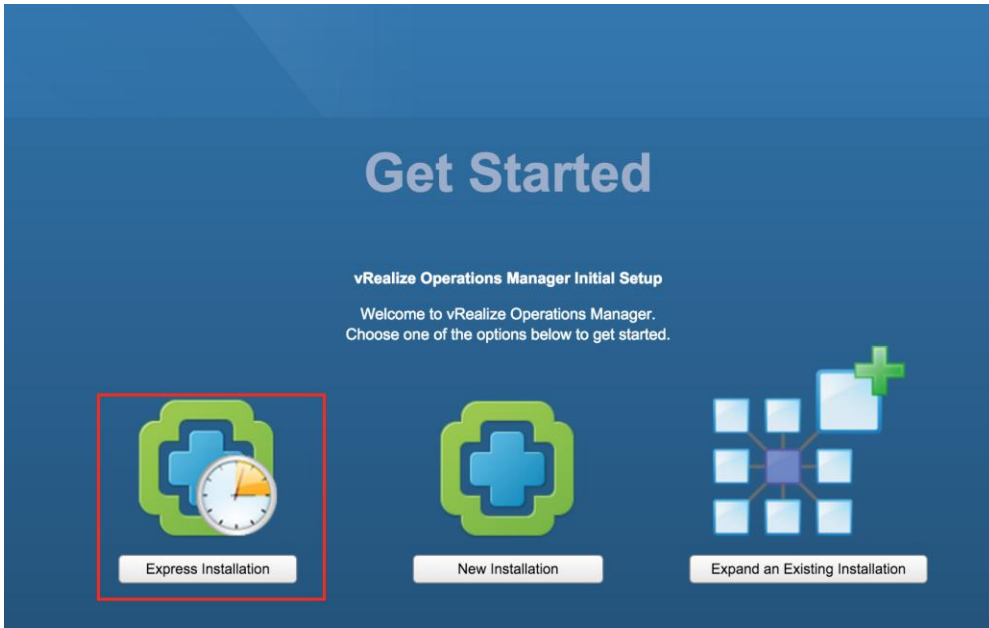
https://localhost.localdom/
https:// Your IP address
```

Configure the vROPs Appliance:

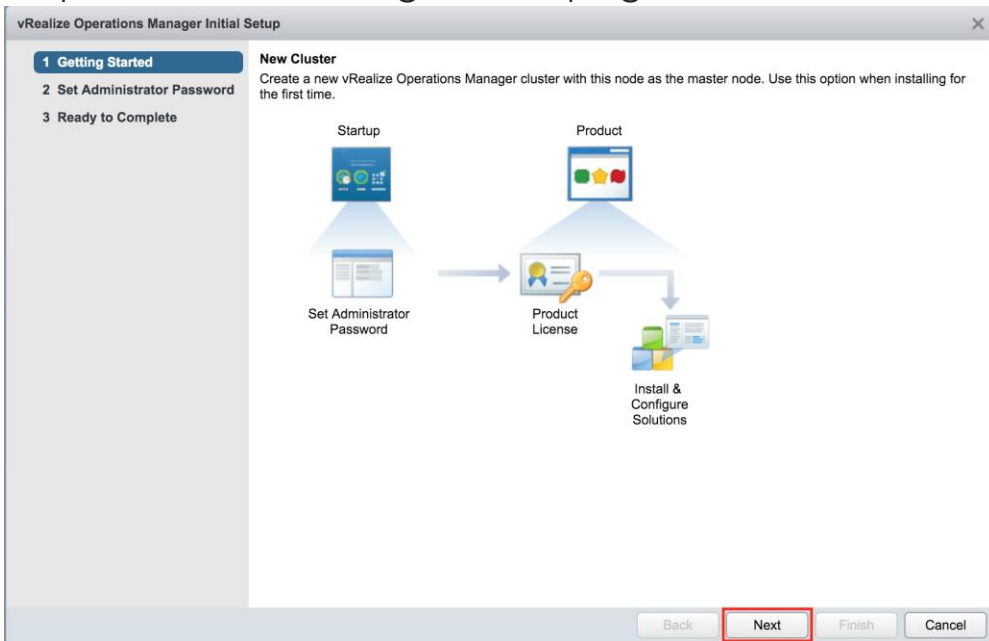
Step1: Open a web browser and navigate to the vROPs appliance web portal interface by using the IP/DNS name assigned to the appliance.

<https://yourapplianceipaddress>

Click the Express Installation Option when presented with web page. Optionally you can click the New Installation option for a custom deployment.



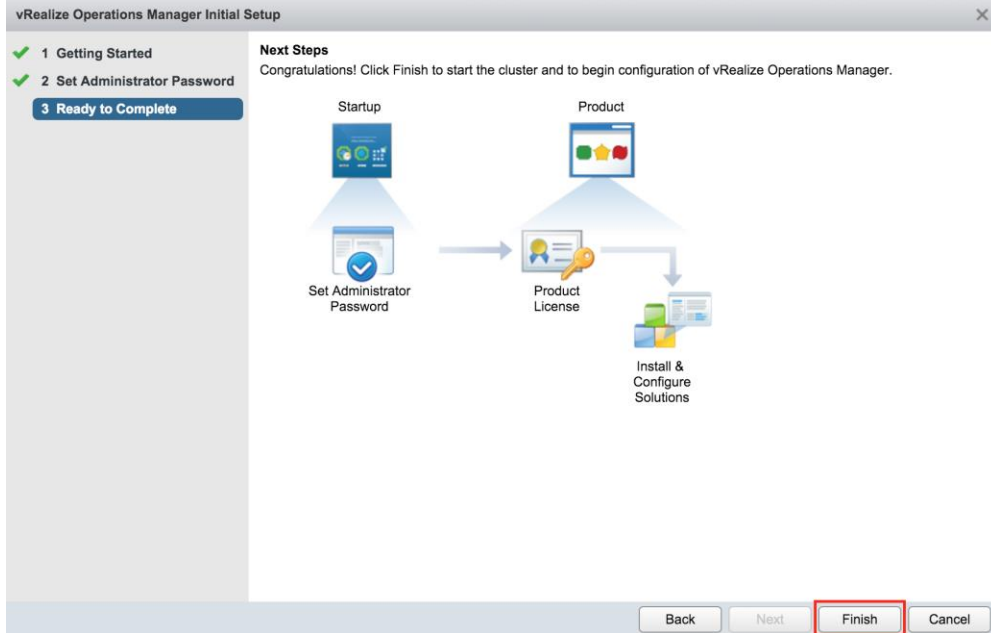
Step 2: On the Getting started page, click Next to continue.



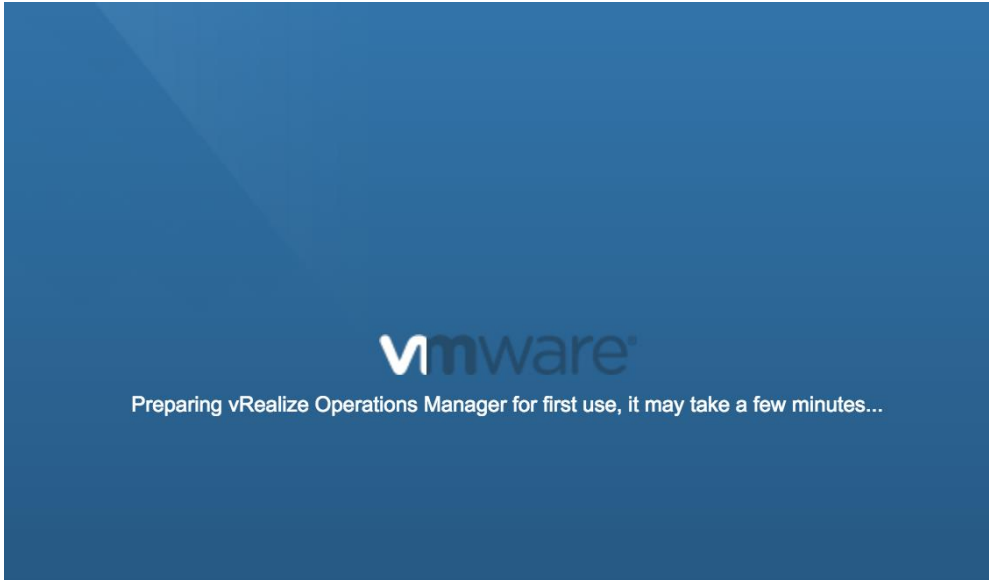
Step 3: Enter and confirm a new "admin" password for the vROPs appliance. Click Next to continue.

The screenshot shows the 'vRealize Operations Manager Initial Setup' window. On the left, a progress bar indicates three steps: '1 Getting Started' (checked), '2 Set Administrator Password' (highlighted), and '3 Ready to Complete'. The main area is titled 'Set the Administrator account password' and contains the following text: 'Set the Administrator account password for this deployment of vRealize Operations Manager.' Below this, there are three input fields: 'User name:' with the value 'admin', 'New password:', and 'Re-enter password:'. The password fields are currently filled with asterisks and are highlighted with a red box. Below the input fields, there is a section titled 'Passwords must meet the following requirements:' with three bullet points: '- Be at least eight characters long', '- Be different from your user name', and '- Contain lowercase, uppercase, numeric, and non-alphanumeric characters'. At the bottom right, there are four buttons: 'Back', 'Next' (highlighted with a red box), 'Finish', and 'Cancel'.

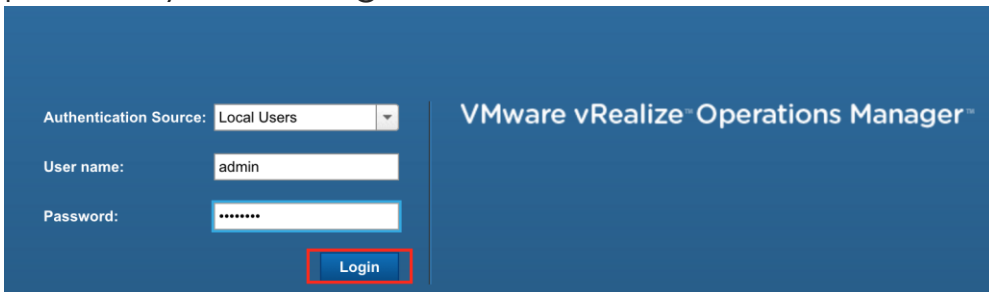
Step 4: Click Finish to complete the initial setup process.



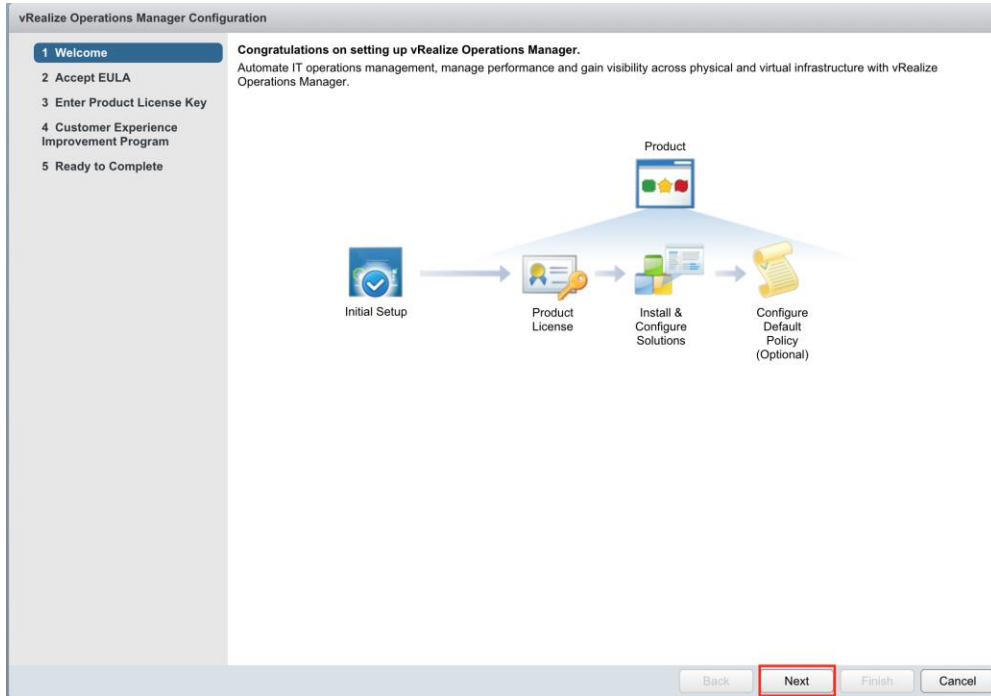
Step 5: Wait for the appliance to initialize with the new configuration.



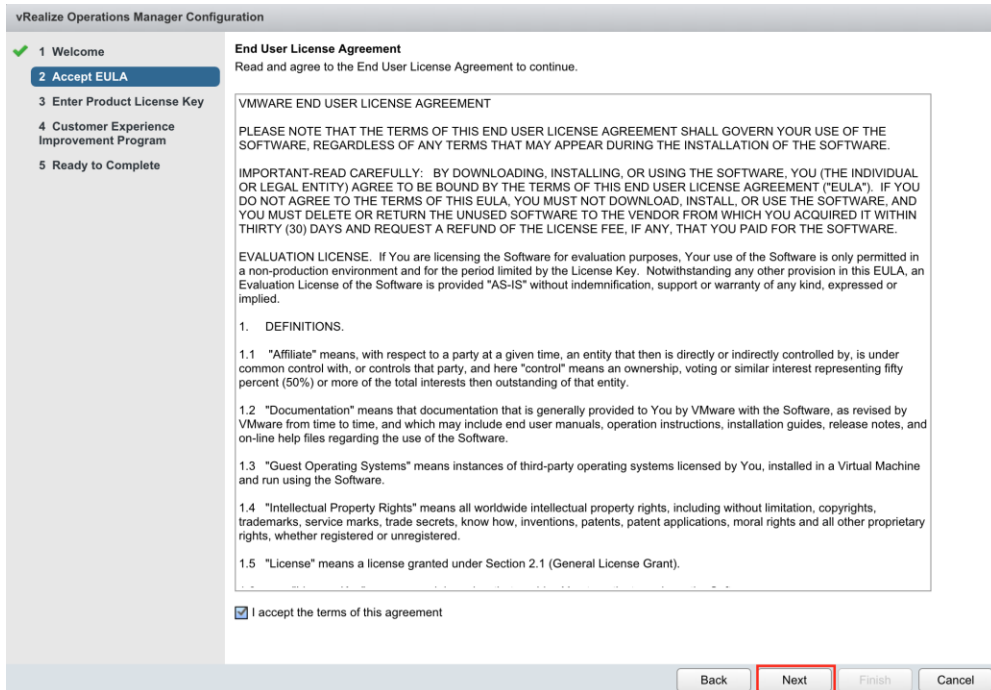
Step 6: Login to the vROPs appliance web portal by entering the admin/password account information you created previously. Click Login.

A login form on a blue background. On the left, there are three input fields: "Authentication Source" with a dropdown menu set to "Local Users", "User name:" with the text "admin", and "Password:" with a masked password "*****". Below these fields is a blue "Login" button with a red border. On the right, the text "VMware vRealize Operations Manager™" is displayed.

Step 7: On the Welcome page, click Next to continue.



Step 8: Accept the terms of the EULA, and click Next to continue.

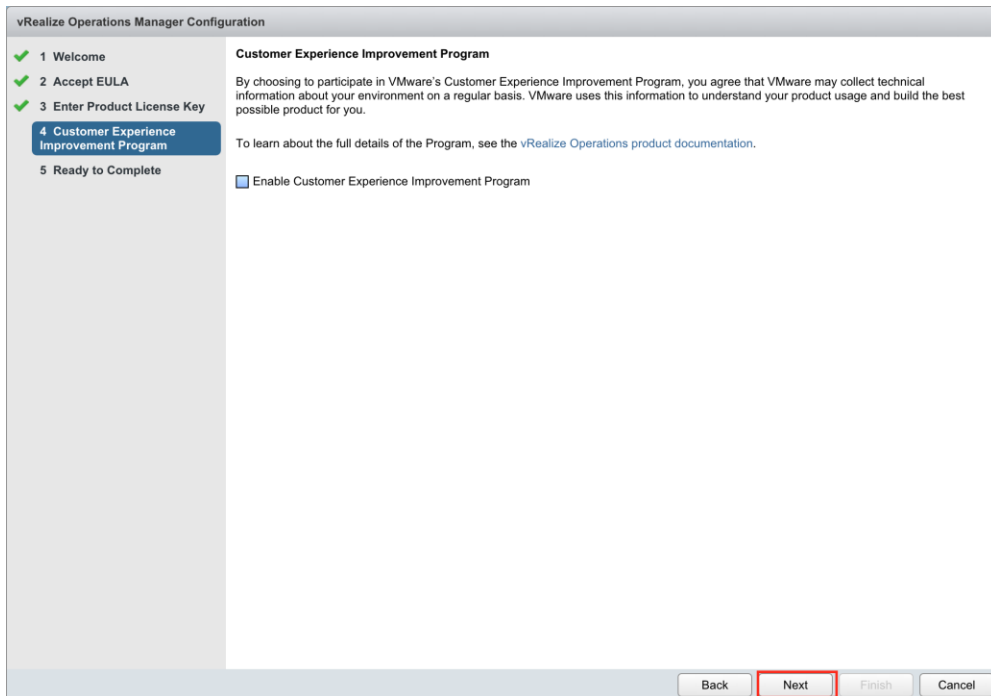


Step 9: Enter a valid vROPs license key, or leave the product in evaluation mode to enter at a later.

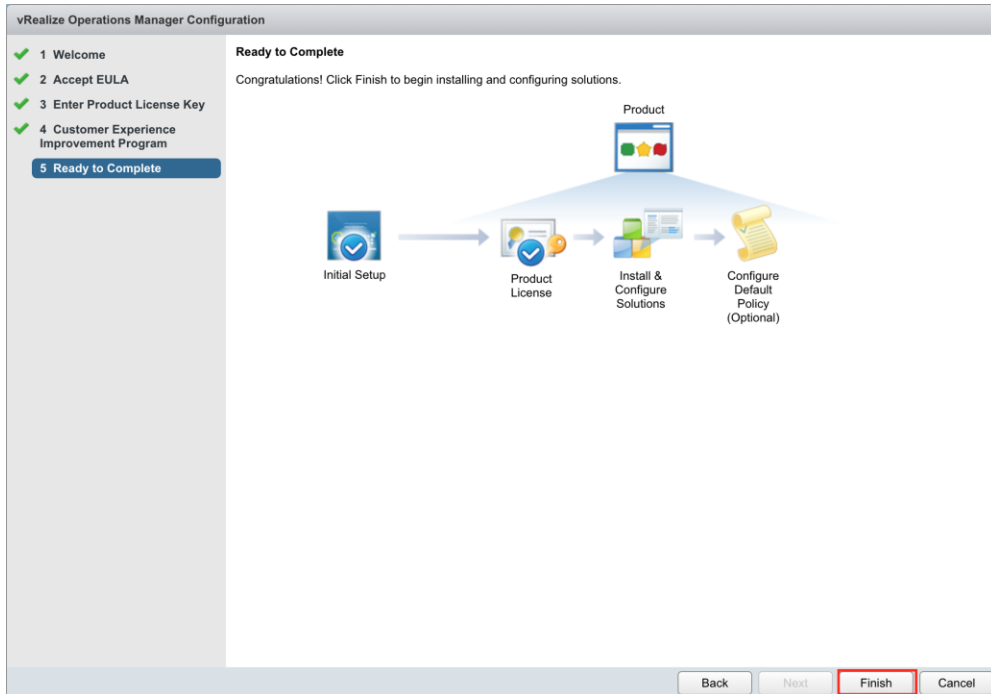
A temporary key will allow full access to the product for a 60-day period. After this period a valid key will need to be entered to continue using the product.

The screenshot shows the 'vRealize Operations Manager Configuration' wizard. On the left, a progress bar lists five steps: 1 Welcome, 2 Accept EULA, 3 Enter Product License Key (highlighted), 4 Customer Experience Improvement Program, and 5 Ready to Complete. The main area is titled 'Enter vRealize Operations Manager product license key' with a sub-note: 'If you do not have your license key you can retrieve it from My VMware.' Below this, there are two radio button options: 'Product Evaluation (no key required)' (selected) and 'Product Key:'. The 'Product Key:' option includes a text input field and a 'Validate License Key' button. At the bottom right, there are four buttons: 'Back', 'Next' (highlighted), 'Finish', and 'Cancel'.

Step 10: Choose whether or not this product will contribute in the Customer Experience Improvement Program, click Next to continue.



Step 11: Click Finish on the Ready to Complete screen.



vROPs Appliance configuration summary:

The vROPs appliance is now configured. However, in vROPs for Horizon 6.2 new firewall ports were added to the solution, that the appliance firewall does NOT have configured out-of-the-box. Add the new firewall ports before continuing with the rest of the installation. This process is covered in the "Add new Firewall ports and restart services" section.

Add new Firewall ports and restart services:

Step 1: Log into the vROPs appliance with your root credentials.

Hit Alt-F1 to make the login prompt appear. Login with the root account, the out-of-box password is blank, and you will be asked to immediately change the password.

```
vRealize Operations Manager Appliance
v4h6 login: admin
Password:
Last login: Tue Nov 24 19:07:59 UTC 2015 on tty1
admin@v4h6:~> _
```

Step 2: Navigate to the /opt/vmware/etc directory, and edit the vmware-vcops-firewall.conf file to add the new ports using the “vi” command as seen below.

```
vRealize Operations Manager Appliance
v4h6 login: admin
Password:
Last login: Tue Nov 24 19:07:59 UTC 2015 on tty1
admin@v4h6:~> cd /opt/vmware/etc
admin@v4h6:/opt/vmware/etc> vi vmware-vcops-firewall.conf _
```

Step 3: Find the # v4v Adapter specific ports section.

Edit the port range to include the additional ports added in the latest 6.2 release (3099, 3100, 3101). In our example, the port range was adjusted to show the range of 3091:3200, beyond the range required.

To use vi to edit the file, you must hit the “Insert” key to make the necessary changes. When the changes are completed, hit “Esc”, then Shift :, and type wq, then hit Enter. Hitting Esc will take vi out of edit mode. Shift : will allow you type the command wq, which stands for write-quit.

```
# firewall configuration

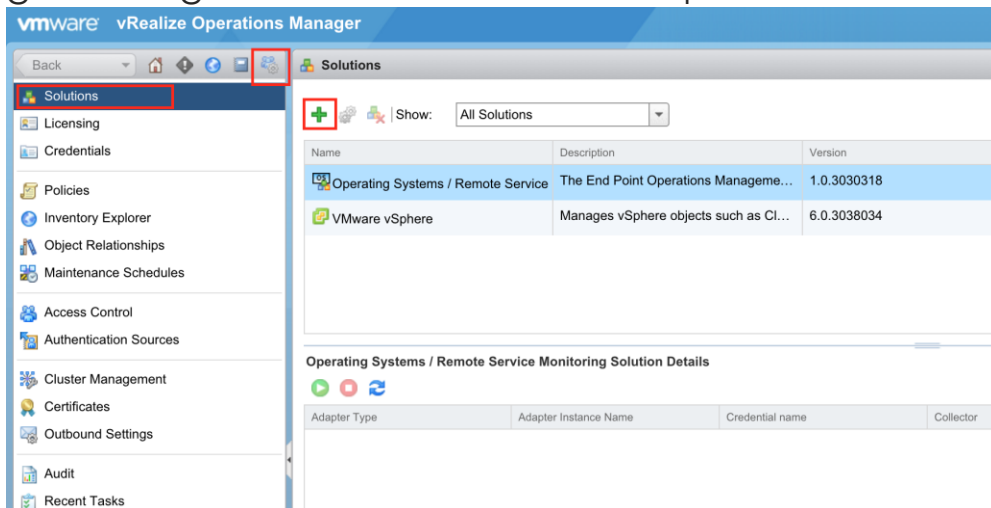
# UDP ports to open up
UDPPORTS=
# ntp requires 123
UDPPORTS="$UDPPORTS 123"
UDPPORTS="$UDPPORTS 10000:10010"
UDPPORTS="$UDPPORTS 20000:20010"

# TCP ports to open up
TCPPOINTS=
# http and https
TCPPOINTS="$TCPPOINTS 80 443"
# ssh
TCPPOINTS="$TCPPOINTS 22"
# gemfire
TCPPOINTS="$TCPPOINTS 6061"
# XDB
TCPPOINTS="$TCPPOINTS 1235"
# v4V Adapter specific ports
TCPPOINTS="$TCPPOINTS 3091:3200"
#Gemfire ports
TCPPOINTS="$TCPPOINTS 10000:10010"
#Gemfire ports for locator
TCPPOINTS="$TCPPOINTS 20000:20010"
#Cassandra inter-node cluster communication
TCPPOINTS="$TCPPOINTS 7001"
#Cassandra client communication
TCPPOINTS="$TCPPOINTS 9042"
"vmware-vcops-firewall.conf" [readonly] 32L, 694C          5,1          Top
```

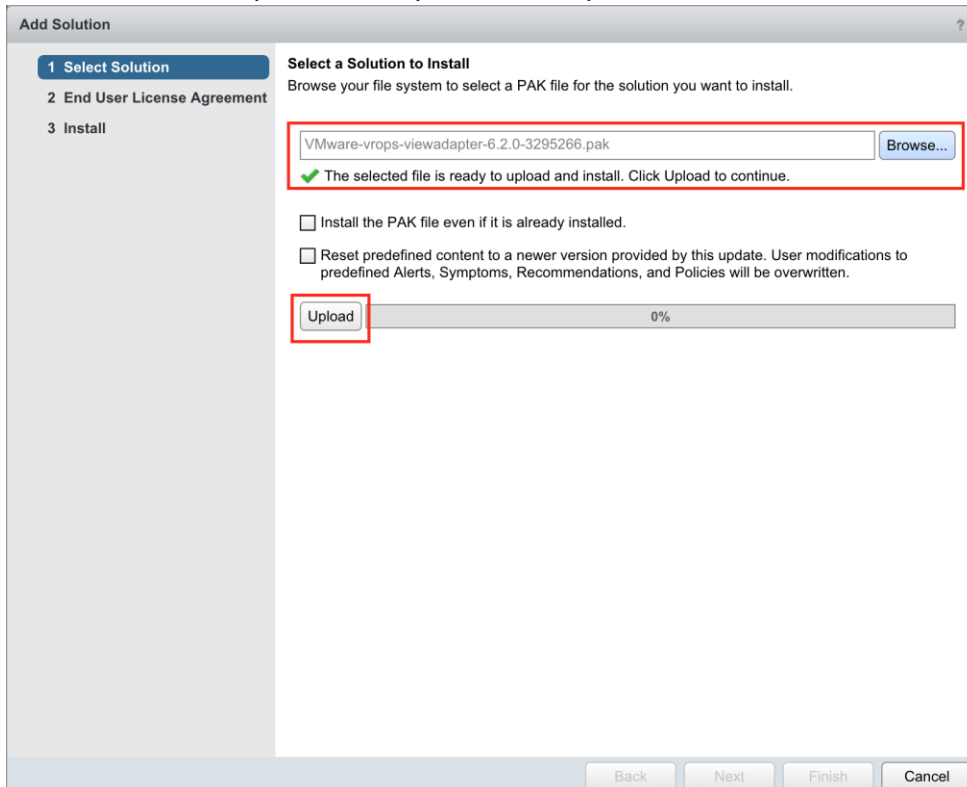
Step 4: Save all changes, and restart the firewall service with the command "service vmware-vcops-firewall restart". Optionally you can restart the entire appliance.

Installing the vROPs for Horizon Adapter:

Step 1: Login the web portal and navigate to the Administration->Solution section. Under Solutions, click the green + sign to install the Horizon Adapter.



Step 2: Click Browse, and locate the Horizon adapter.pak file downloaded previously. Click Upload to transfer file to server.



Step 3: Wait for the file to be uploaded and validated. Click Next to continue.


Add Solution ?

1 Select Solution
2 End User License Agreement
3 Install

Select a Solution to Install
Browse your file system to select a PAK file for the solution you want to install.

Select a PAK file to import

Install the PAK file even if it is already installed.
 Reset predefined content to a newer version provided by this update. User modifications to predefined Alerts, Symptoms, Recommendations, and Policies will be overwritten.



The PAK file has been uploaded and is ready to install.

PAK file details

PAK filename	VMware-vrops-viewadapter-6.2.0-3295266.pak
Name	VMware Horizon
Description	Solution for managing VMware Horizon objects such as View Pods, Pools, Desktops...
Version	6.2.0.3295266

The PAK file signature is valid.

Step 4: Accept the EULA, and click Next to continue.

Add Solution ?

1 Select Solution
2 End User License Agreement
3 Install

End User License Agreement
Read and agree to the End User License Agreement to continue.

VMWARE END USER LICENSE AGREEMENT

PLEASE NOTE THAT THE TERMS OF THIS END USER LICENSE AGREEMENT SHALL GOVERN YOUR USE OF THE SOFTWARE, REGARDLESS OF ANY TERMS THAT MAY APPEAR DURING THE INSTALLATION OF THE SOFTWARE.

IMPORTANT-READ CAREFULLY: BY DOWNLOADING, INSTALLING, OR USING THE SOFTWARE, YOU (THE INDIVIDUAL OR LEGAL ENTITY) AGREE TO BE BOUND BY THE TERMS OF THIS END USER LICENSE AGREEMENT ("EULA"). IF YOU DO NOT AGREE TO THE TERMS OF THIS EULA, YOU MUST NOT DOWNLOAD, INSTALL, OR USE THE SOFTWARE, AND YOU MUST DELETE OR RETURN THE UNUSED SOFTWARE TO THE VENDOR FROM WHICH YOU ACQUIRED IT WITHIN THIRTY (30) DAYS AND REQUEST A REFUND OF THE LICENSE FEE, IF ANY, THAT YOU PAID FOR THE SOFTWARE.

EVALUATION LICENSE. If You are licensing the Software for evaluation purposes, Your use of the Software is only permitted in a non-production environment and for the period limited by the License Key. Notwithstanding any other provision in this EULA, an Evaluation License of the Software is provided "AS-IS" without indemnification, support or warranty of any kind, expressed or implied.

1. DEFINITIONS.

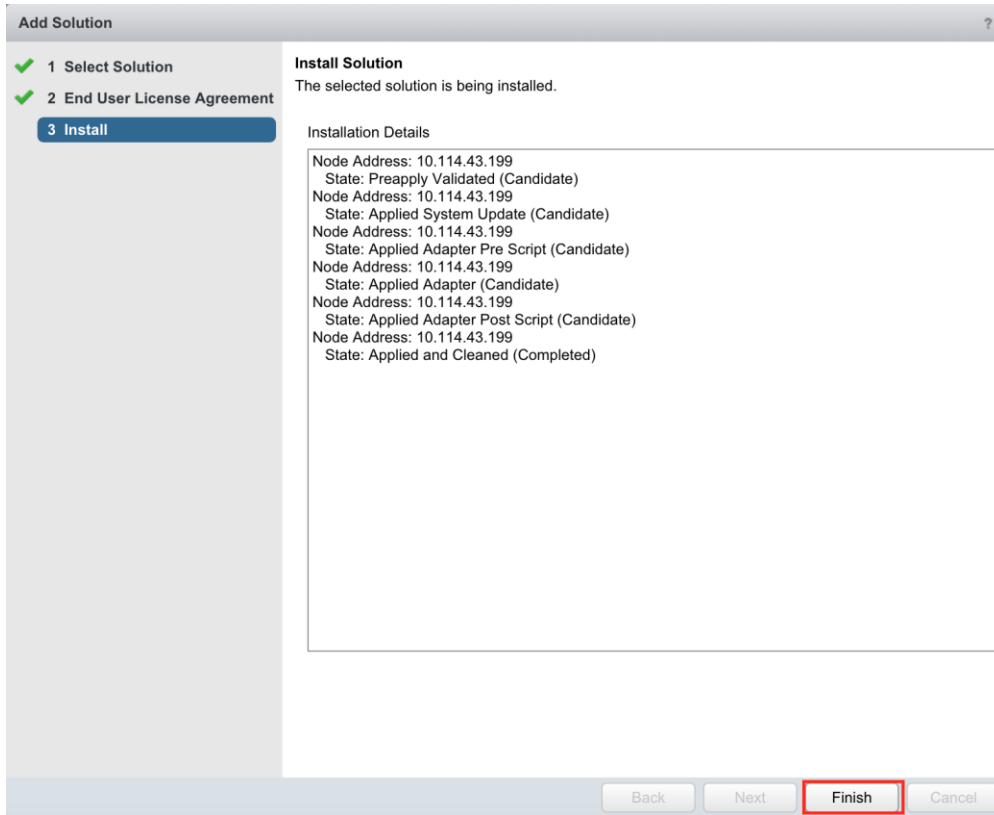
1.1 "Affiliate" means, with respect to a party at a given time, an entity that then is directly or indirectly controlled by, is under common control with, or controls that party, and here "control" means an ownership, voting or similar interest representing fifty percent (50%) or more of the total interests then outstanding of that entity.

1.2 "Documentation" means that documentation that is generally provided to You by VMware with the Software, as revised by VMware from time to time, and which may include end user manuals,

I accept the terms of this agreement

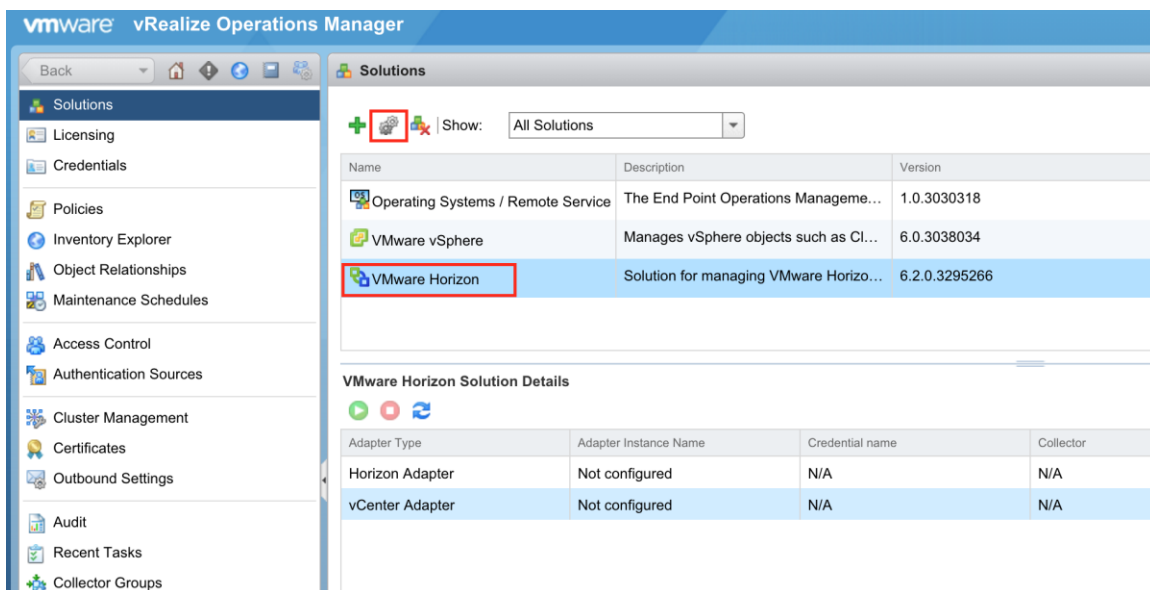
Back Next Finish Cancel

Step 5: Wait for the adapter to finish the installation process.
Click Finish to complete the process.



Configuring the Horizon Adapter:

Step1: Select the VMware Horizon solution, and click the gear icon.



Step 2: With the vCenter Adapter type selected, enter a Display Name for the vCenter server you will connect to. Under Basic Settings, make sure to enter the proper IP address or DNS name for the vCenter Server, and then click the green + sign to add the admin credentials.

The screenshot shows the 'Manage Solution - VMware Horizon' window. At the top, a table lists adapter types:

Adapter Type	Description	Instances	Version	Provided by
vCenter Adapter	Provides the connection information and credentia...	0	2.0.3038031	VMware Inc.
Horizon Adapter	Horizon Adapter	0	6.2.3295266	VMware Inc.

Below the table, the 'vCenter Adapter' is selected, and its configuration is shown in the 'Instance Settings' panel. The 'Display Name' field contains 'vc3.domain.local'. Under 'Basic Settings', the 'vCenter Server' field also contains 'vc3.domain.local'. The 'Credential' field is currently empty, with a green '+' icon and a pencil icon to its right, indicating where to click to add credentials. A 'Test Connection' button is located below the credential field. At the bottom right of the window are 'Save Settings' and 'Close' buttons.

Enter the appropriate admin credentials, and click Okay to save the changes.

The 'Manage Credential' dialog box is shown with the following fields:

- Credential name: admin
- User Name: administrator
- Password:

At the bottom of the dialog, the 'OK' button is highlighted with a red box, and the 'Cancel' button is also visible.

Step 4: Click the Test button to confirm the connection, and accept the certificate handshake from the server. **Click Save to make sure all changes are kept. Otherwise these settings will be lost.

The screenshot shows the VMware Horizon Manage Solution interface. At the top, there is a table with the following data:

Adapter Type	Description	Instances	Version	Provided by
vCenter Adapter	Provides the connection information and credentia...	0	2.0.3038031	VMware Inc.
Horizon Adapter	Horizon Adapter	0	6.2.3295266	VMware Inc.

Below the table, the 'Instance Settings' section is visible. The 'Instance Name' is 'vc3.domain.local'. The 'Display Name' is 'vc3.domain.local'. The 'Description' field is empty. Under 'Basic Settings', the 'vCenter Server' is 'vc3.domain.local' and the 'Credential' is 'admin'. A 'Test Connection' button is highlighted with a red box. Below it, the 'Advanced Settings' section is collapsed. At the bottom right, a 'Save Settings' button is also highlighted with a red box. A 'Close' button is located at the bottom center of the interface.

Step 5: Select the Horizon Adapter, enter a display name for the View Pod instance. Provide a generic adapter ID, and click the green + sign to create a Broker Agent pairing key.

The screenshot shows the 'Manage Solution - VMware Horizon' window. At the top, there is a table with columns: Adapter Type, Description, Instances, Version, and Provided by. The 'Horizon Adapter' row is selected. Below the table, the 'Instance Settings' section is visible. The 'Display Name' field contains 'View Pod1'. The 'Adapter ID' field contains 'viewpod1'. The 'Credential' dropdown menu is open, showing a green plus sign icon. A 'Test Connection' button is located below the credential field. At the bottom right, there are 'Save Settings' and 'Close' buttons.

Adapter Type	Description	Instances	Version	Provided by
vCenter Adapter	Provides the connection information and credentia...	0	2.0.3038031	VMware Inc.
Horizon Adapter	Horizon Adapter	0	6.2.3295266	VMware Inc.

Instance Settings

Display Name: View Pod1

Description:

Basic Settings

Adapter ID: viewpod1

Credential: --Select the plus sign--

Test Connection

Advanced Settings

Page 1 of 1

Save Settings

Close

Enter a generic Credential Name, and provide a Broker Agent pairing key that will be used later to pair the Broker Agent.

The screenshot shows the 'Manage Credential' dialog box. It has two input fields: 'Credential name' with the text 'broker agent key' and 'Server Key' with a masked password '.....'. At the bottom, there are 'OK' and 'Cancel' buttons. The 'OK' button is highlighted with a red box.

Credential name: broker agent key

Server Key:

OK

Cancel

Step 6: Click Save Settings before you click the close to ensure changes are kept. Click Close to finish the adapter configuration process.

The screenshot shows the 'Manage Solution - VMware Horizon' configuration window. At the top, a table lists installed adapters:

Adapter Type	Description	Instances	Version	Provided by
vCenter Adapter	Provides the connection information and credentia...	0	2.0.3038031	VMware Inc.
Horizon Adapter	Horizon Adapter	0	6.2.3295266	VMware Inc.

The 'Horizon Adapter' row is selected. Below the table, the 'Instance Settings' for 'View Pod1' are shown:

- Instance Name:** View Pod1
- Display Name:** View Pod1
- Description:** (empty field)
- Basic Settings:**
 - Adapter ID:** viewpod1
 - Credential:** broker agent key (with a dropdown arrow and a plus icon)
- Buttons:** Test Connection, Save Settings (highlighted), Close (highlighted)

Step 7: Confirm that the both the Horizon and vCenter adapter are in the Collecting and Data Receiving state. **It may take a few minutes for both solutions to go green on the Data Receiving state.

The screenshot shows the 'Solutions' page in the VMware Horizon console. A table lists the installed solutions:

Name	Description	Version	Provided by	Licensing
Operating Systems / Remote Service Moni...	The End Point Operations Management S...	1.0.3030318	VMware Inc.	Not applicable
VMware vSphere	Manages vSphere objects such as Cluster...	6.0.3038034	VMware Inc.	Not applicable
VMware Horizon	Solution for managing VMware Horizon ob...	6.2.0.3295266	VMware Inc.	Configure

The 'VMware Horizon' solution is selected. Below it, the 'VMware Horizon Solution Details' are shown:

Adapter Type	Adapter Instance Name	Credential name	Collector	Collection State	Collection Status
Horizon Adapter	view01	test	vRealize Operations Manager Coll...	Collecting	Data receiving
vCenter Adapter	vc2	admin	vRealize Operations Manager Coll...	Collecting	Data receiving
vCenter Adapter	vc3	admin	vRealize Operations Manager Coll...	Collecting	Data receiving

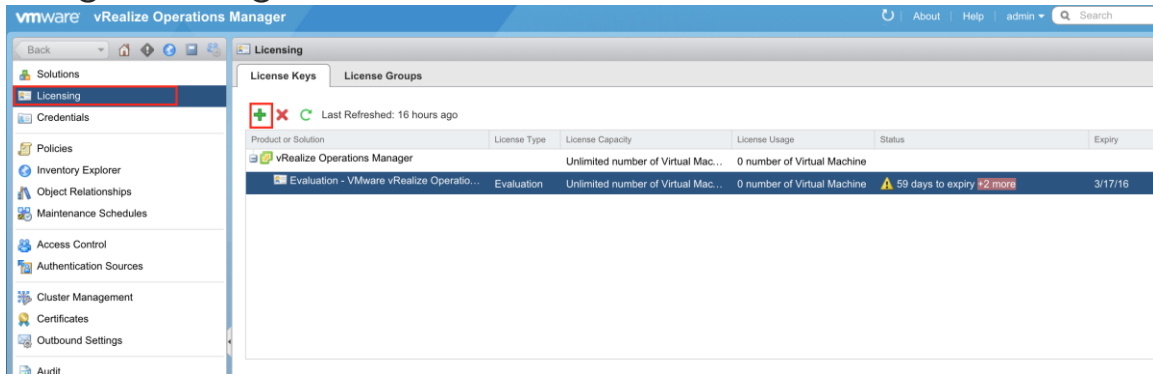
Installing the Horizon Adapter Summary:

At this point both adapters are in a ready state to begin collecting data. The vCenter adapter will begin to pull in objects and metrics from the vSphere

environment. The Horizon Adapter still requires the Horizon Broker Agent to be installed on a single Connection Server per View Pod before data is populated. ****Both adapters will require a valid license to function. If no license is available, the Horizon Broker Agent will not populate data in the vROPs appliance. The following sections will cover these topics.**

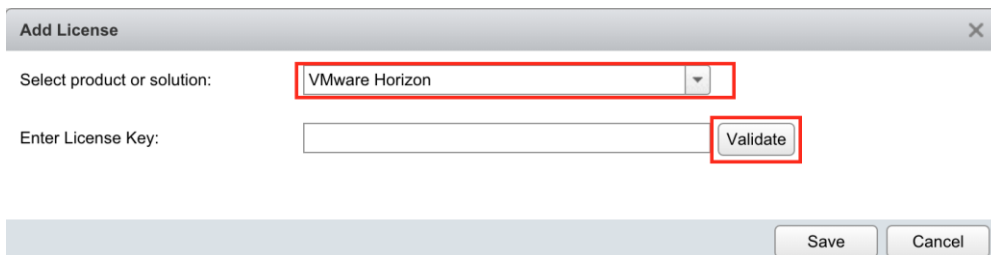
Licensing the vROPs for Horizon solution:

Step 1: Click Licensing from the navigation menu, then click the green + sign to add a new license.



Step 2: Click the drop down menu and select the VMware Horizon Solution. Enter a valid license key for the solutions and click "Validate". If valid, click Save to continue.

If you have a Horizon Enterprise license key, that key can be used to license the solution. Otherwise you can use a standalone vROPs for Horizon key to continue. If you have a valid vROPs license key, that key can also be added in this section by selecting the vROPs Operation Manager solution, and validating the key.



Add License ✕

Select product or solution:

Enter License Key:

✔ License key validated successfully.

License Key Details

Solution Name: vRealize Operations for Horizon

Licensable Capacity: 100 units of Daily License Usage Count Max of View Pod

License Key: XJ6A5-NL30L-5817T-0AGH2-34AHH

License Type: Temporary

Allowable Objects: Host System, Virtual Machine, Datastore, Datacenter

Expiry: 9/16/16

Step 3: Verify that both solutions have a valid license key before continuing.

Licensing										
License Keys										
Product or Solution	License Type	License Capacity	License Usage	Status	Expiry					
+ ✕ ↻ Last Refreshed: a second ago										
<ul style="list-style-type: none"> <input checked="" type="checkbox"/> vRealize Operations Manager <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Evaluation - VMware vRealize Operatio... <table border="0" style="font-size: small;"> <tr> <td>Evaluation</td> <td>Unlimited number of Virtual Mac...</td> <td>0 number of Virtual Machine</td> <td>⚠ 59 days to expiry +2 more</td> <td>3/17/16</td> </tr> </table> <input checked="" type="checkbox"/> vRealize Operations for Horizon <table border="0" style="font-size: small;"> <tr> <td>Temporary</td> <td>100 units of Daily License Usage...</td> <td>0 units of Daily License Us...</td> <td>✔ 242 days to expiry +1 more</td> <td>9/16/16</td> </tr> </table> 	Evaluation	Unlimited number of Virtual Mac...	0 number of Virtual Machine	⚠ 59 days to expiry +2 more	3/17/16	Temporary	100 units of Daily License Usage...	0 units of Daily License Us...	✔ 242 days to expiry +1 more	9/16/16
Evaluation	Unlimited number of Virtual Mac...	0 number of Virtual Machine	⚠ 59 days to expiry +2 more	3/17/16						
Temporary	100 units of Daily License Usage...	0 units of Daily License Us...	✔ 242 days to expiry +1 more	9/16/16						

Licensing the vROPs for Horizon solution summary:

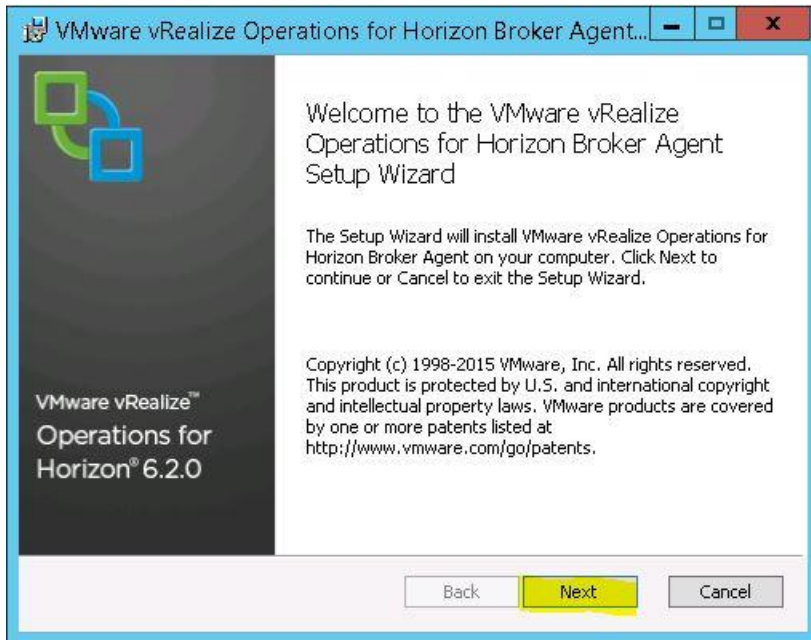
At this point both solutions should have a valid license key, allowing vROPs for Horizon to properly collect and analyze data. Continue with the Horizon Broker Agent installation, so that vROPs can collect data from the Horizon environment.

Installing the Horizon Broker Agent:

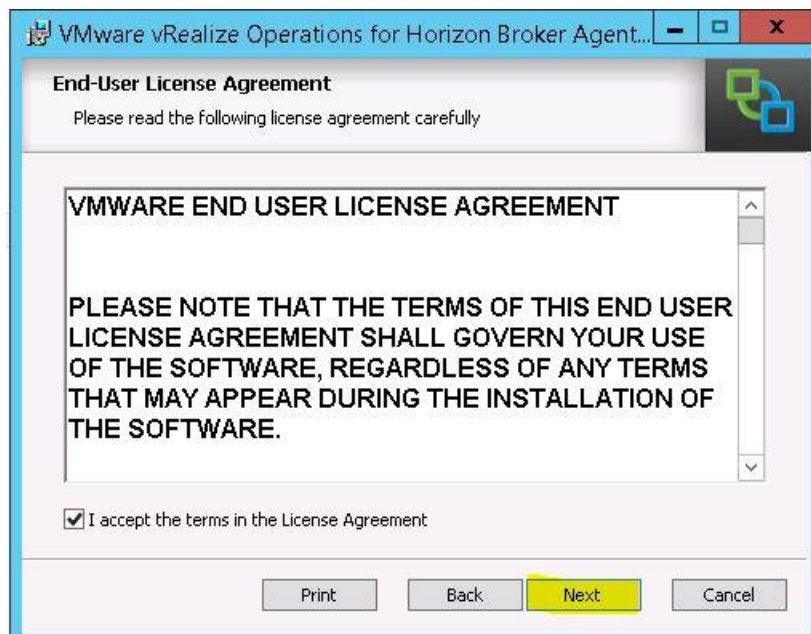
The Horizon Broker Agent must be installed on a SINGLE Horizon View Connection Server per View Pod. Installing more than one agent per pod is not supported.

Step 1: Login to a View Pod Connection Server. Navigate to the latest Horizon Broker Agent installer that was downloaded previously, and launch the package.

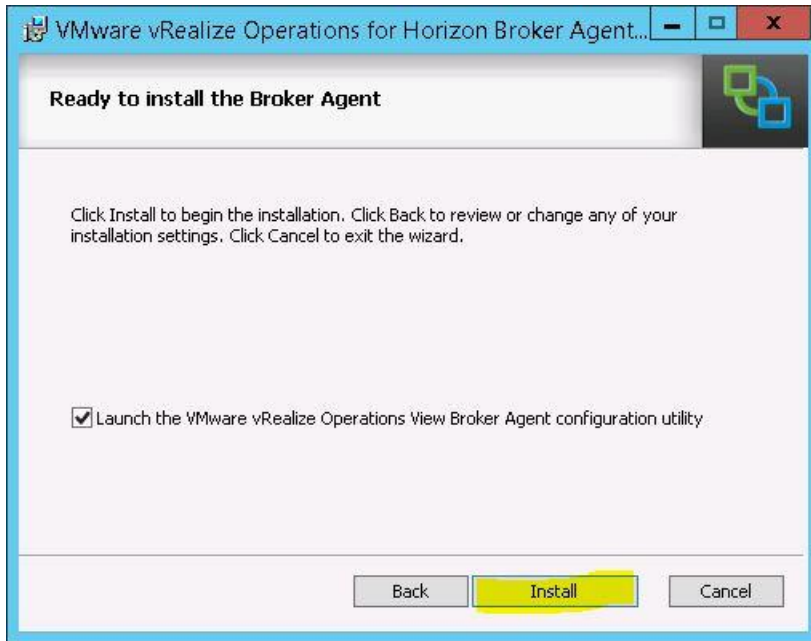
Click Next to continue the installation process.



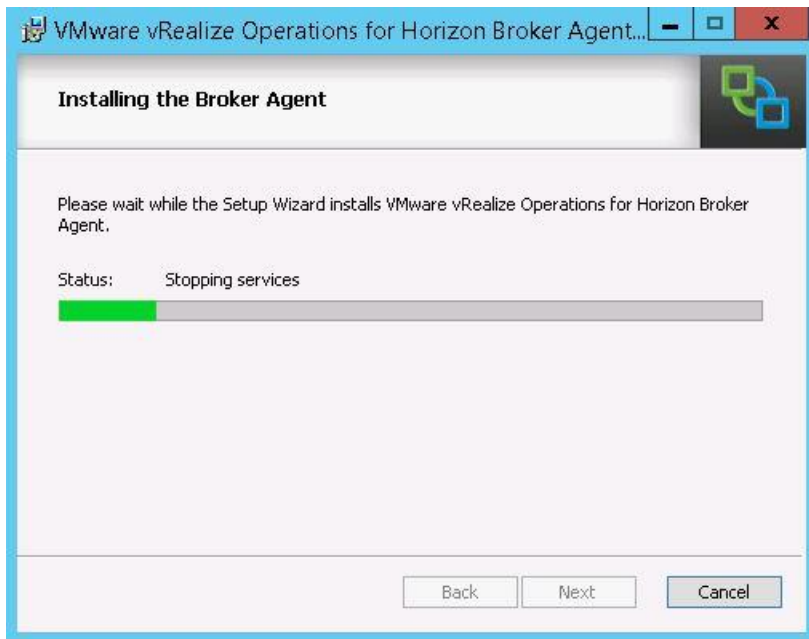
Step 2: Accept the license agreement, and click Next.



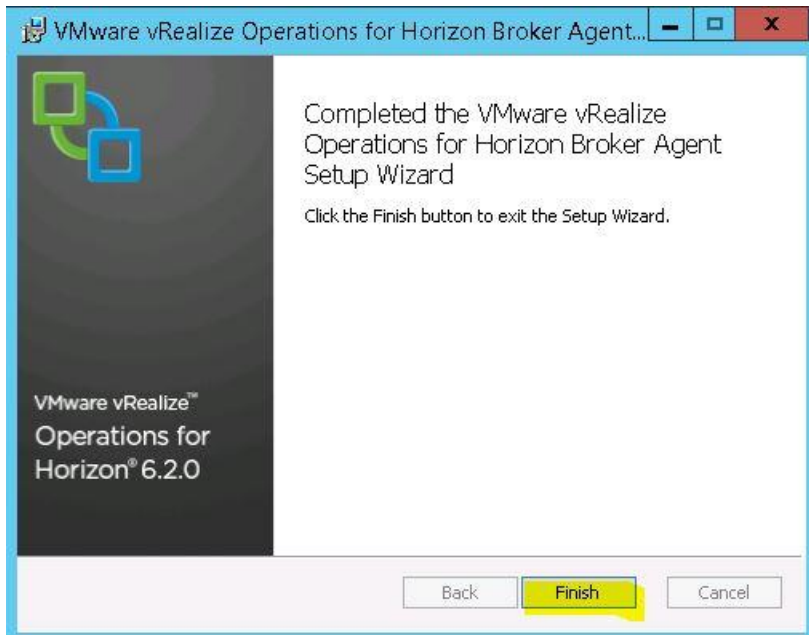
Step 3: Leave “Launch the VMware vRealize Operations View Broker Agent configuration utility” option checked, click Install to continue.



Wait for the installer process to complete before continuing.



Step 4: Click Finish to close the installer and launch the configuration utility.

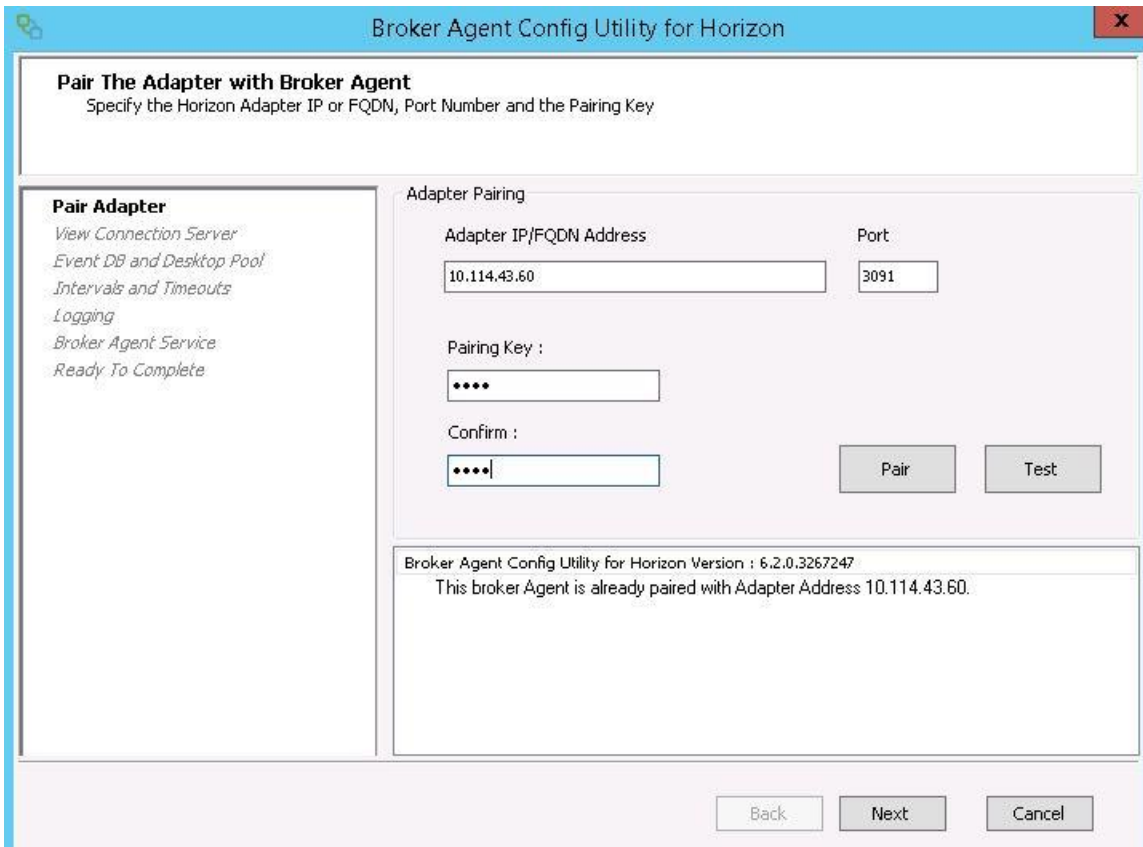


Pairing the Horizon Broker Agent

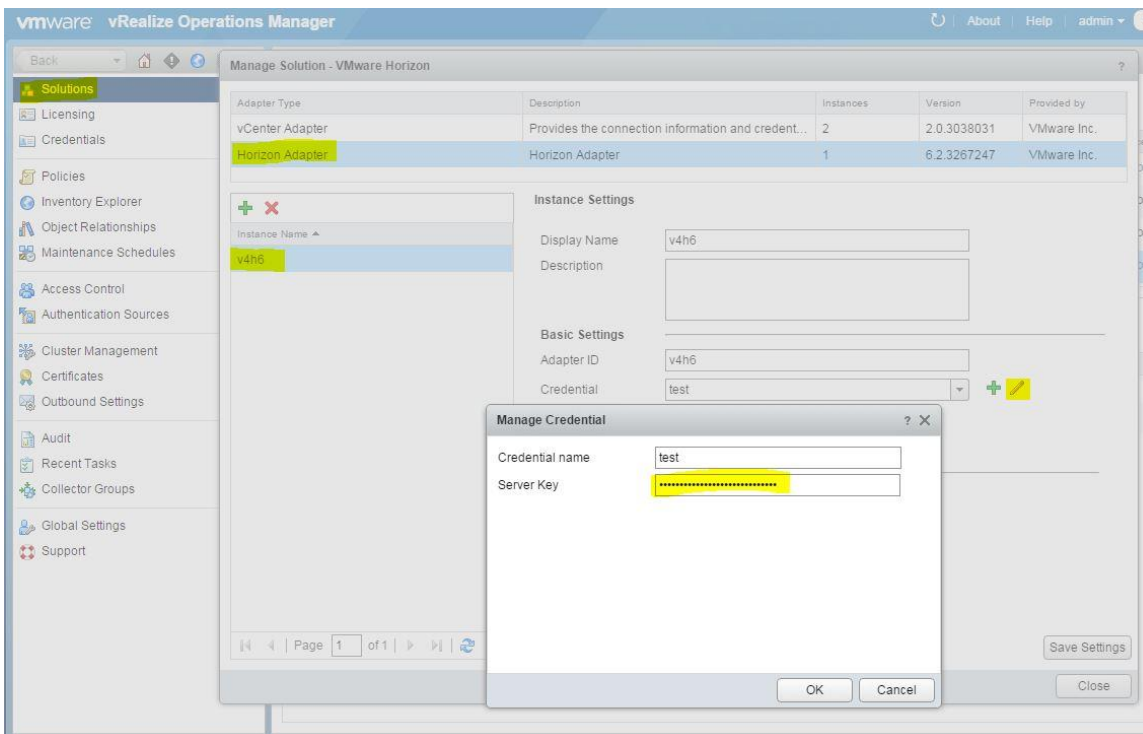
For this step you will need the Horizon Adapter pairing key created previously, View Admin credentials, and the View Events DB credentials. You will also need the new firewall ports added to the vROPs appliance that was covered in a previous section, otherwise the pairing process will fail.

Step 1: Enter the IP/FQDN Address for the vROPs appliance, and the connection port of 3091

Enter the pairing key that was created in your vROPs for Horizon solution adapter instance in previous steps. **Picture of pairing key in vROPs manager is shown below.



Pairing Key location created previously:



Step 2: Click Pair, and validate the adapter pairs successfully. If this process fails, make sure that you added the appropriate vROPS appliance firewall ports, the firewall service or appliance was restarted, and that the Horizon Adapter states that it is Collecting and Data receiving on the Solution adapter page.

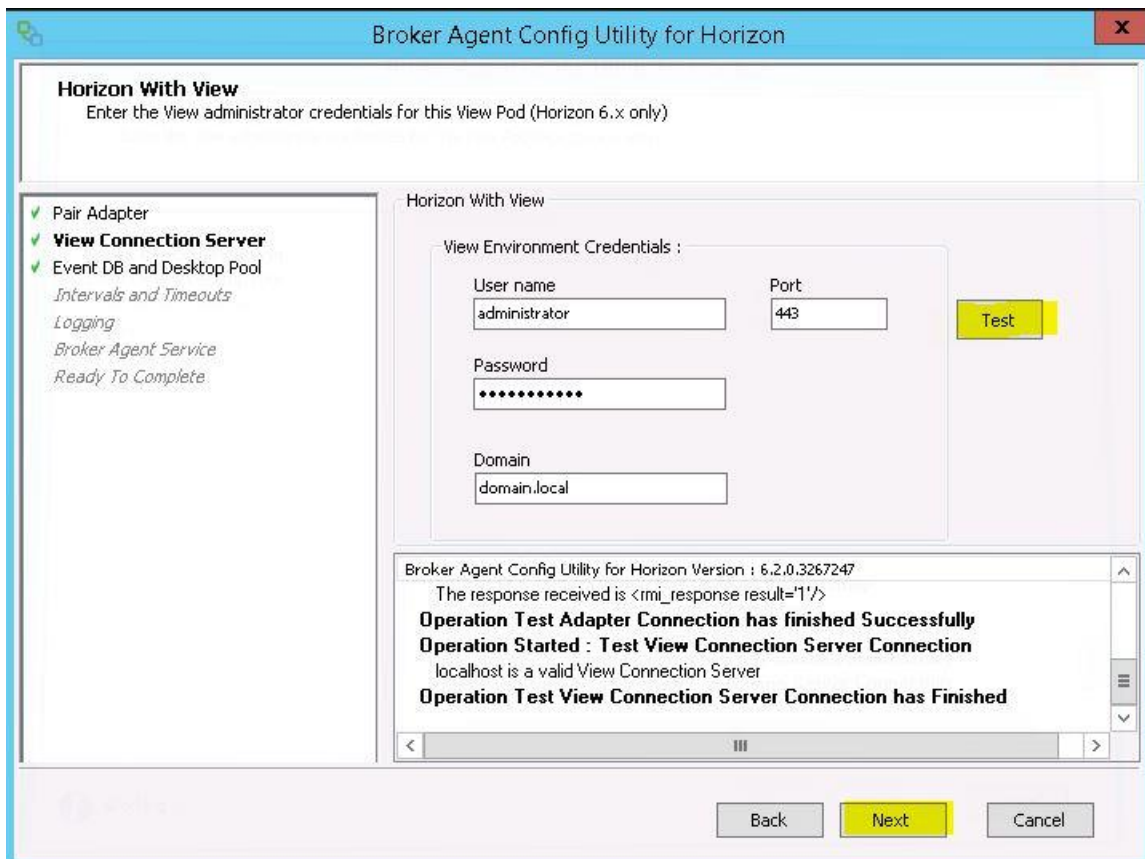
If successful, click the Test button to verify the connection. Click Next to continue.

The screenshot displays the 'Broker Agent Config Utility for Horizon' window. The main title is 'Pair The Adapter with Broker Agent', with a subtitle 'Specify the Horizon Adapter IP or FQDN, Port Number and the Pairing Key'. On the left, a sidebar lists navigation options: 'Pair Adapter' (selected), 'View Connection Server', 'Event DB and Desktop Pool', 'Intervals and Timeouts', 'Logging', 'Broker Agent Service', and 'Ready To Complete'. The main area is titled 'Adapter Pairing' and contains the following fields: 'Adapter IP/FQDN Address' (10.114.43.60), 'Port' (3091), 'Pairing Key' (masked with four dots), and 'Confirm' (masked with four dots). There are 'Pair' and 'Test' buttons. Below the form is a log window showing the following messages: 'Broker Agent Config Utility for Horizon Version : 6.2.0.3267247', 'Operation Started : Adapter Pairing', 'Operation Adapter Pairing has finished Successfully', 'Operation Started : Test Adapter Connection', 'The response received is <imi_response result='1'/>', and 'Operation Test Adapter Connection has finished Successfully'. At the bottom, there are 'Back', 'Next', and 'Cancel' buttons.

Step 3: Verify your Horizon administrator credentials and domain.

Click Test to verify connectivity. **If there are any authentication issues, you will need to resolve them before continuing.

Click Next to continue.



Step 4: Confirm the Event DB username and password.
Click Test to verify authentication works. Click Next to continue.

Broker Agent Config Utility for Horizon

Configure the Event DB and Pool filters

Event Database credentials and Desktop Pool configuration

- ✓ Pair Adapter
- ✓ View Connection Server
- ✓ **Event DB and Desktop ...**
 - Intervals and Timeouts
 - Logging
 - Broker Agent Service
 - Ready To Complete

Event DB and Desktop Pool Information

Event Database information

Event DB Username:

Event DB Password:

Desktop Pools

Specify Desktop Pools (optional)

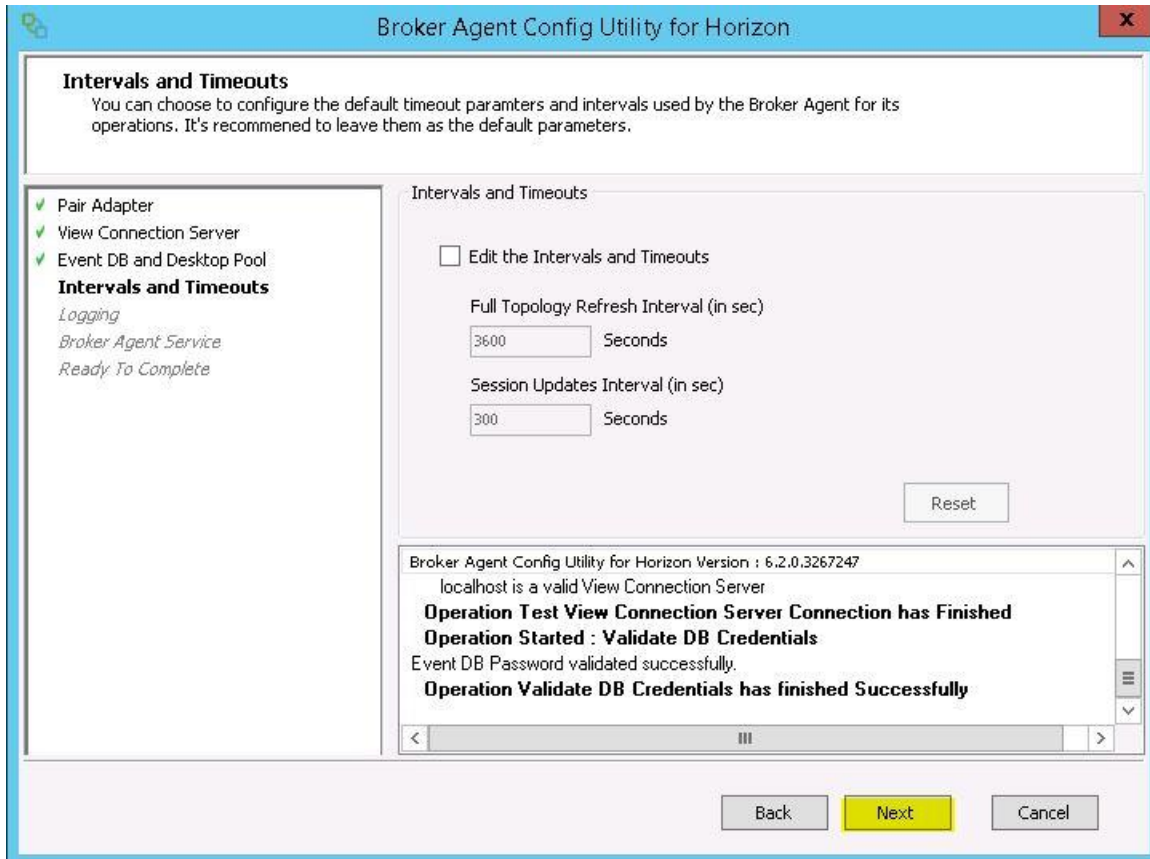
Exclude
 Include

Monitor Application Pools and hosted applications

Broker Agent Config Utility for Horizon Version : 6.2.0.3267247
localhost is a valid View Connection Server
Operation Test View Connection Server Connection has Finished
Operation Started : Validate DB Credentials
Event DB Password validated successfully.
Operation Validate DB Credentials has finished Successfully

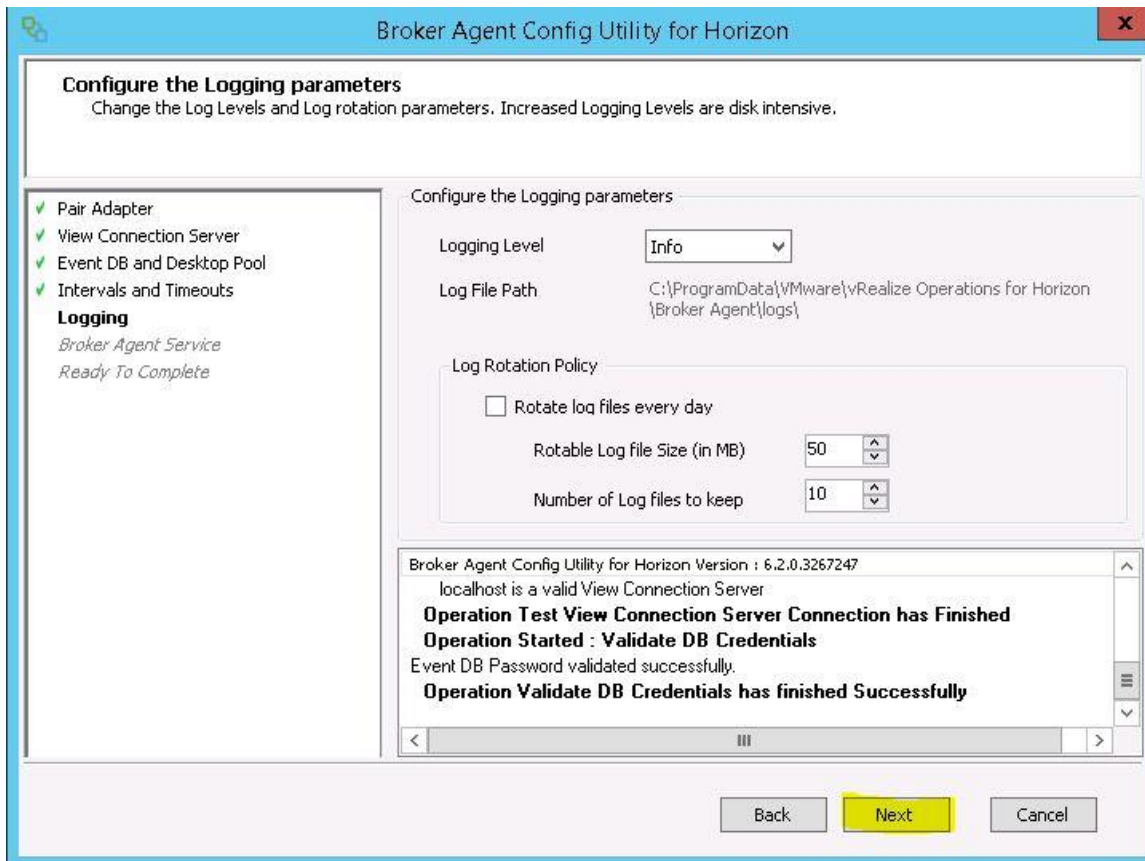
Step 5: Optionally you can edit the Interval timeouts for topology and session updates.

Click Next to continue.



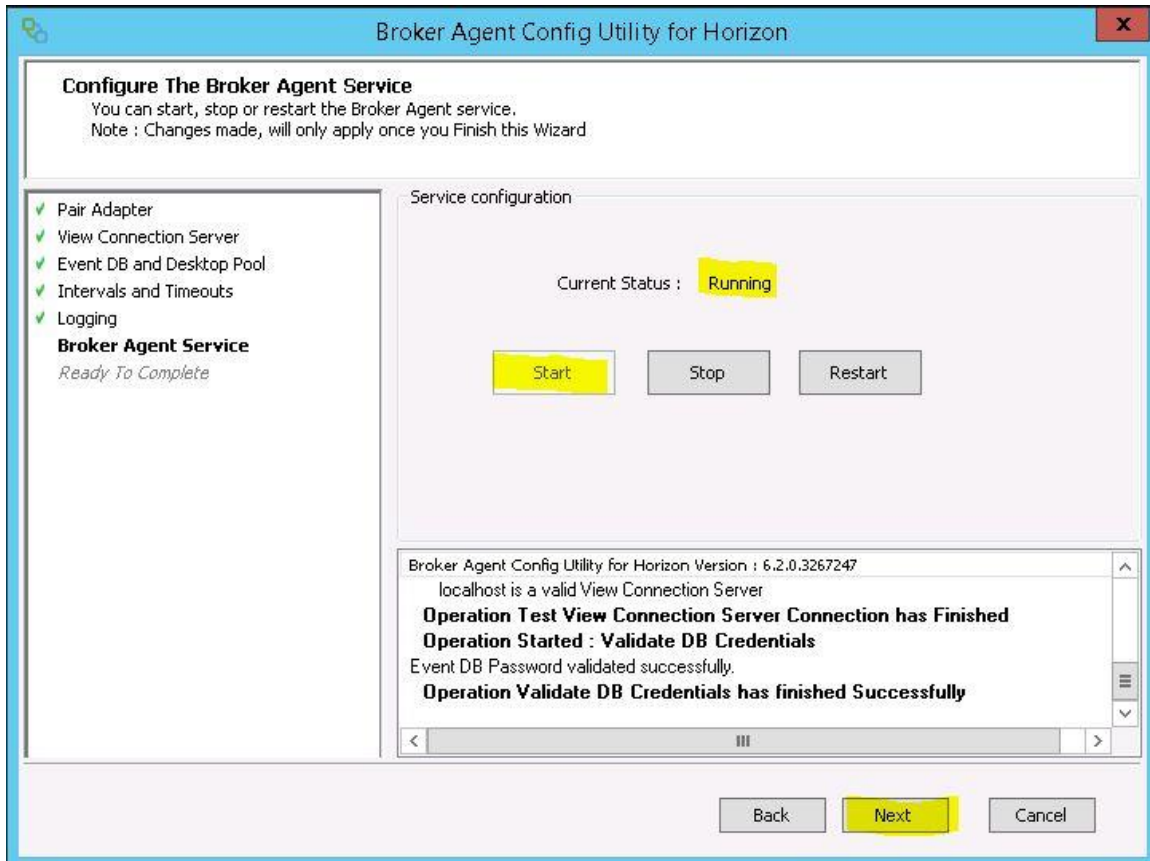
Step 6: Optionally you can change the logging level, Log rotation policy.

Click Next to continue.

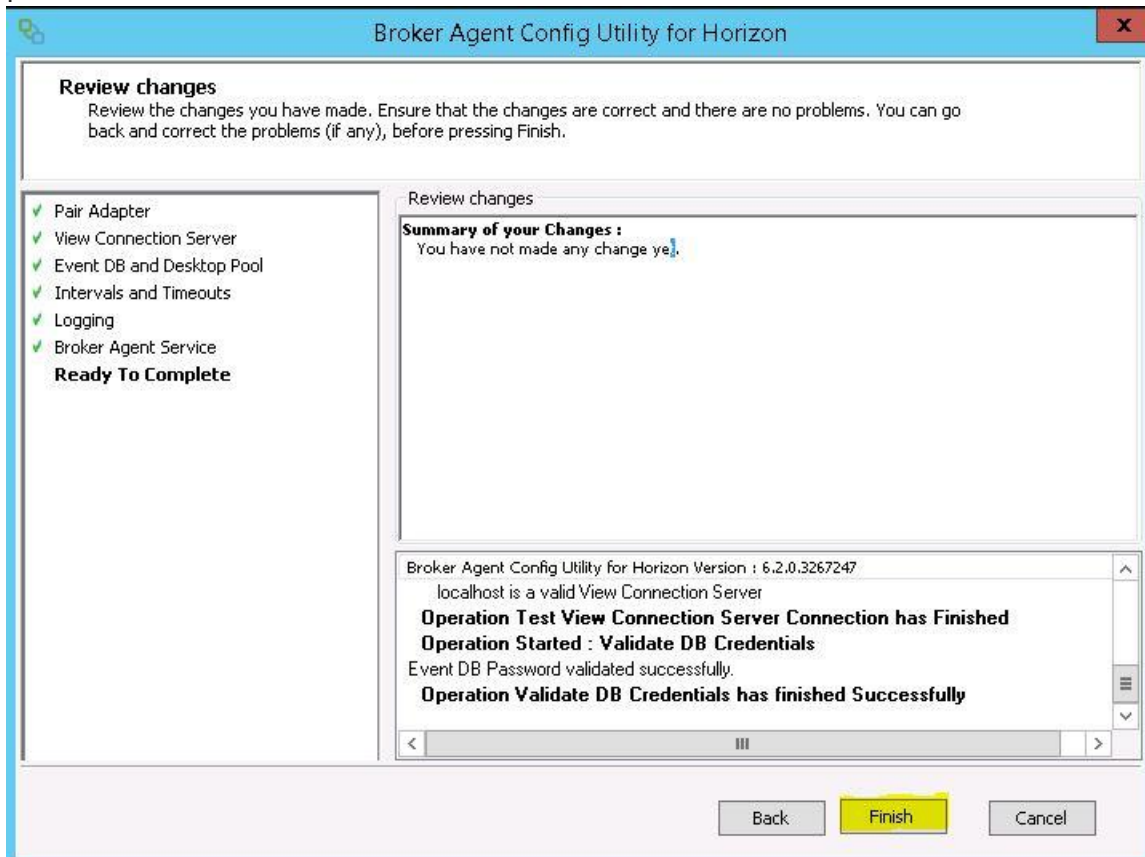


Step 7: Click the Start button to enable the Horizon Adapter service.

Click Next to continue.



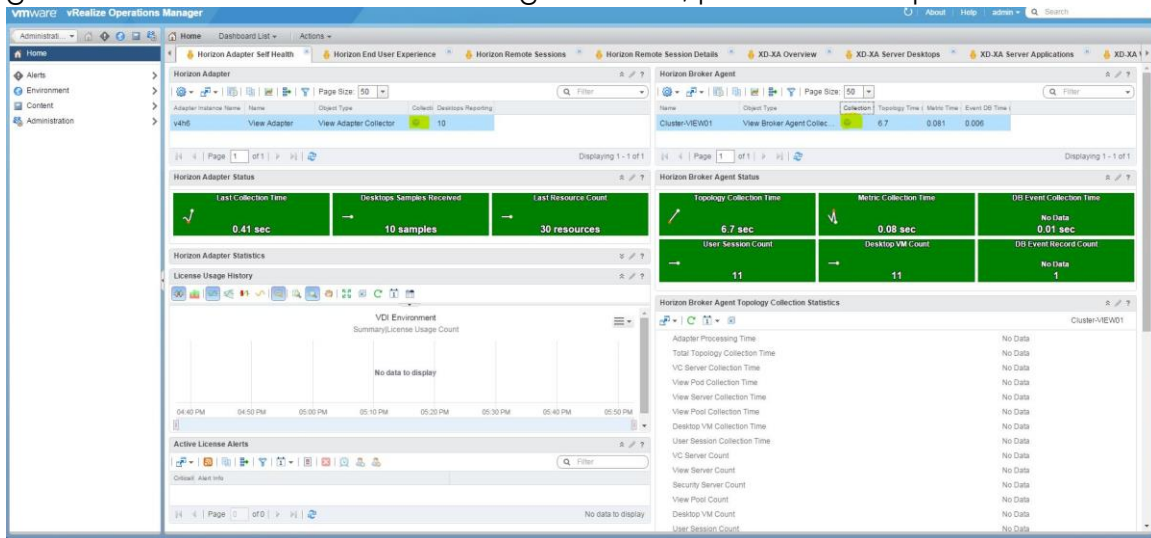
Step 8: Click Finish to complete the broker agent installation process.



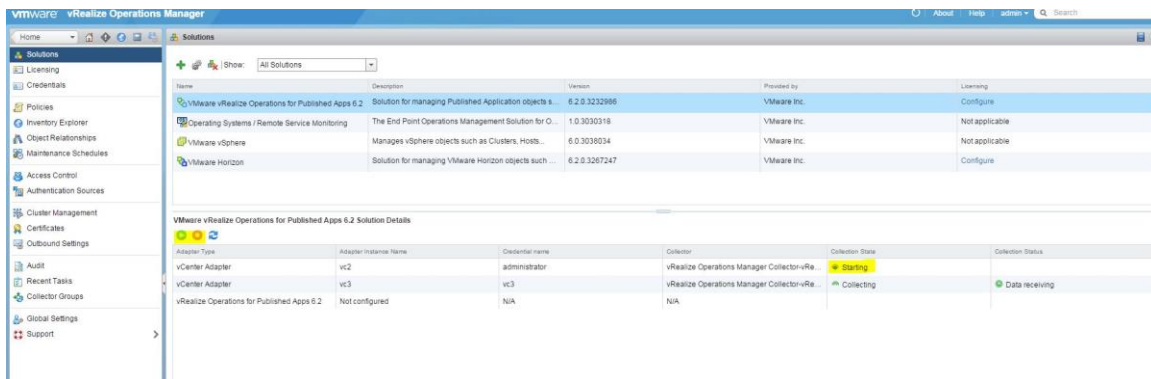
Step 9: Confirm Adapter Self Health dashboard is collecting information.

Log into the vROPs Manager, and open the Horizon Adapter Self Health dashboard. Confirm that the View Adapter and the View Broker agent have a

green "Collection State". If not in a green state, proceed to Step 10.



Step 10: Navigate to the solution adapter management page, and Stop/Start the VMware Horizon Adapter.



Install Summary:

At this point the installation is completed, and the vROPs for Horizon solution will provide the latest dashboards, alerts, symptoms, and metrics for providing end-to-end visibility of Horizon View environment.

References:

Customizing How vRealize Operations Displays Your Data:

<http://pubs.vmware.com/vrealizeoperationsmanager-61/topic/com.vmware.vcom.core.doc/GUID-4F2BC962-E68E-4EE3-B26E-CED2E41009AA.html>

vRealize Operations Manager Documentation:

<https://www.vmware.com/support/pubs/vrealize-operations-manager-pubs.html>

vRealize Operations for Horizon Documentation:

<https://www.vmware.com/support/pubs/vcops-view-pubs.html>

vRealize Operations for Horizon Sizing Guidelines:

http://kb.vmware.com/selfservice/microsites/search.do?language=en_US&cmd=displayKC&externalId=2098051