# Slide 1 - Zscaler Private Access



# **Zscaler Private Access**

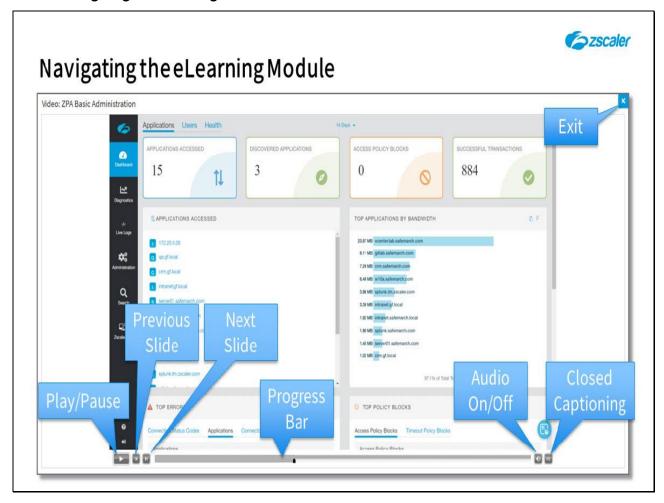
Connector Installation – VMWare

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# Slide notes

Welcome to this training module on Zscaler Private Access Connector installation on VMWare.

Slide 2 - Navigating the eLearning Module



#### Slide notes

Here is a quick guide to navigating this module. There are various controls for playback including **Play** and **Pause**, **Previous** and **Next** slide. You can also **Mute** the audio or enable **Closed Captioning** which will cause a transcript of the module to be displayed on the screen. Finally, you can click the **X** button at the top to exit.

# Slide 3 - Agenda



# Slide notes

In this module, we will provide a step-by-step overview of how to install a Connector on VMware.

Slide 4 - Installing a Connector Virtual Appliance



# Slide notes

The next topic that we will cover is how to install a Connector on VMware.

This section has been created as an interactive demo to give you a feel for the navigation of the VMware vCenter console. You will be asked to select the appropriate menu options to navigate the UI. You may also use the Play control to proceed to the next step.

# Slide 5 - Virtual Appliance Requirements

# **Ezscaler**

# **VMware Requirements**

# **VMware Environment**

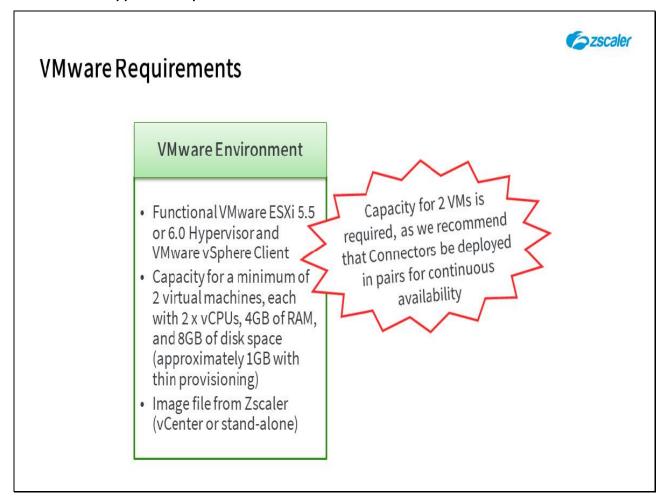
- Functional VMware ESXi 5.5 or 6.0 Hypervisor and VMware vSphere Client
- Capacity for a minimum of 2 virtual machines, each with 2 x vCPUs, 4GB of RAM, and 8GB of disk space (approximately 1GB with thin provisioning)
- Image file from Zscaler (vCenter or stand-alone)

#### Slide notes

To deploy a App Connector on VMware, you will need:

- A VMware ESXi 5.5 or 6.0 Hypervisor;
- With capacity for a minimum of 2 virtual machines (VM), each with two vCPUs, 4GB of RAM, and 8GB of disk space (which works out to about 1GB with thin provisioning).
- You also need the image file from Zscaler, there being one for vCenter deployments, and another for Standalone ESXi deployments.

Slide 6 - Virtual Appliance Requirements



#### Slide notes

Note, you need capacity for 2 VMs, as we recommend that Connectors are deployed in pairs to ensure continuous availability during SW upgrades.

# Slide 7 - Virtual Appliance Requirements

# **VMware Requirements**

# **Zscaler**

# VMware Environment

- Functional VMware ESXi 5.5 or 6.0 Hypervisor and VMware vSphere Client
- Capacity for a minimum of 2 virtual machines, each with 2 x vCPUs, 4GB of RAM, and 8GB of disk space (approximately 1GB with thin provisioning)
- Image file from Zscaler (vCenter or stand-alone)

# Other Requirements

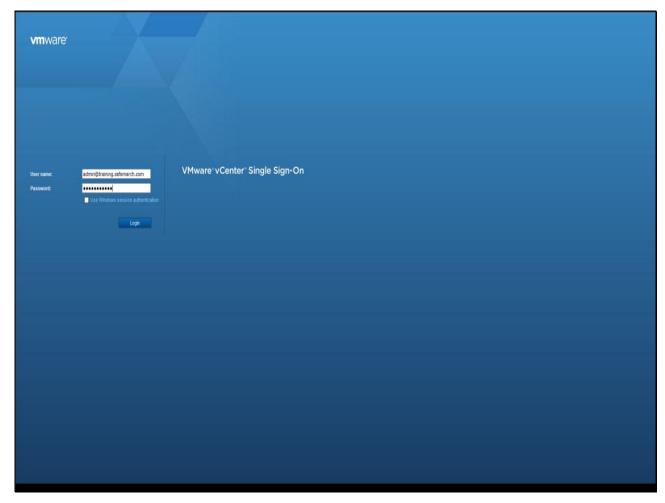
- Connector Provisioning Key
- On a LAN segment adjacent to the private applications
- Outbound connectivity to the ZPA Cloud on port 443
- DHCP server for IP address allocation and DNS server configuration (if using dynamic IP assignments)
- Ability to resolve both internal and external DNS

#### Slide notes

Other requirements for deploying the Connector are:

- A valid Connector Provisioning Key;
- It must be installed on a LAN segment adjacent to the private applications that you want to enable access for;
- Outbound connectivity to all Zscaler data centers containing ZPA-ZENs;
- If you plan to use dynamic IP address and DNS server assignments, then you will require a DHCP server on the LAN;
- And the Connector must be able to resolve DNS for both internal and external hosts.

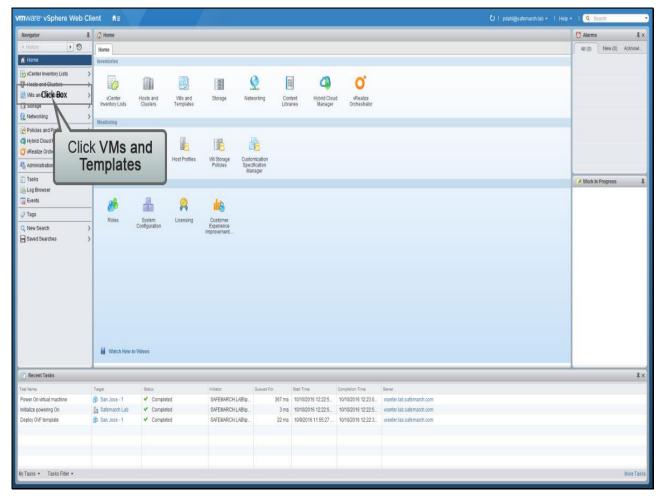
Slide 8 - Slide 8



# Slide notes

Login to your VMWare ESXi 5.5 or 6.0 vSphere Web Client...

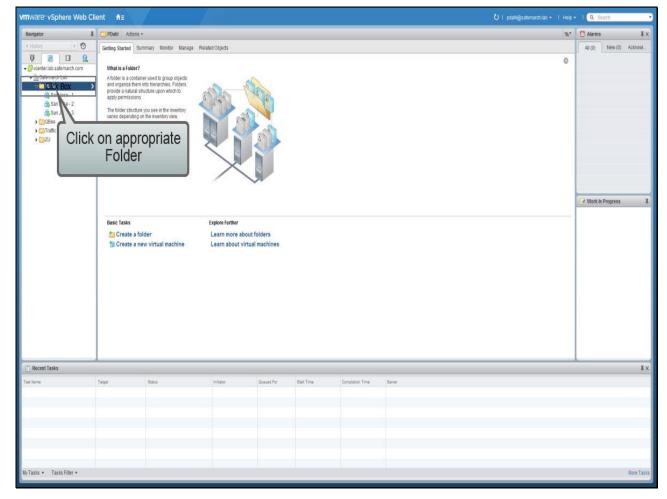
# Slide 9 - Slide 9



# Slide notes

...then on the home page, click on VMs and Templates.

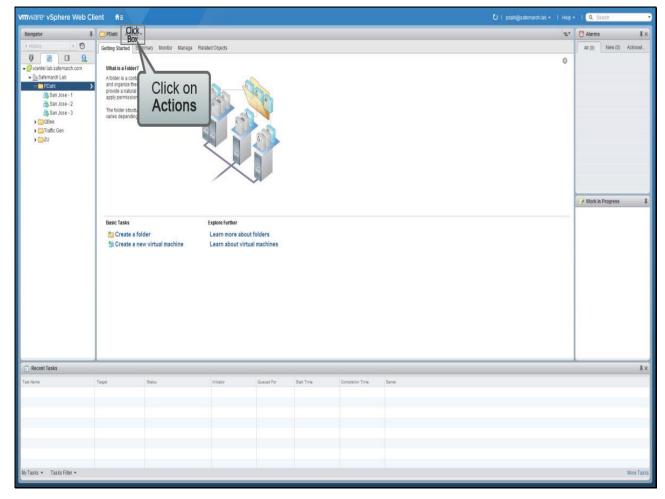
# Slide 10 - Slide 10



# Slide notes

Then click on an appropriate folder.

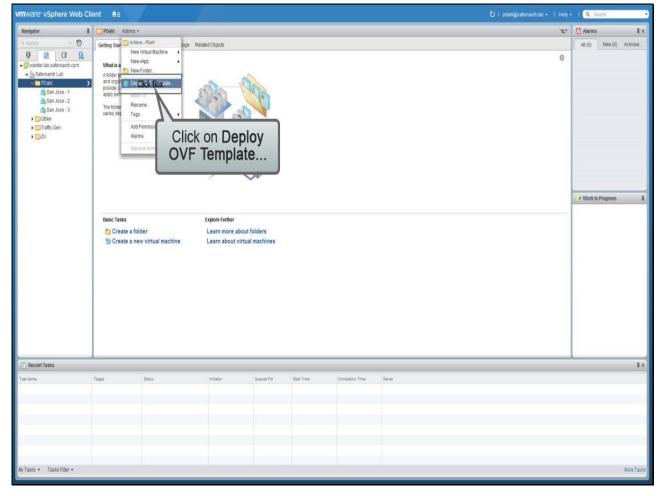
# Slide 11 - Slide 11



# Slide notes

To add an OVF template, click **Actions**...

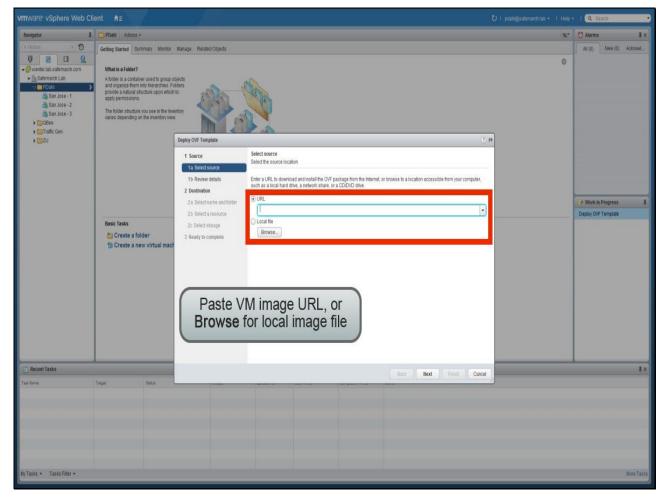
# Slide 12 - Slide 12



# Slide notes

...then click **Deploy OVF Template...**.

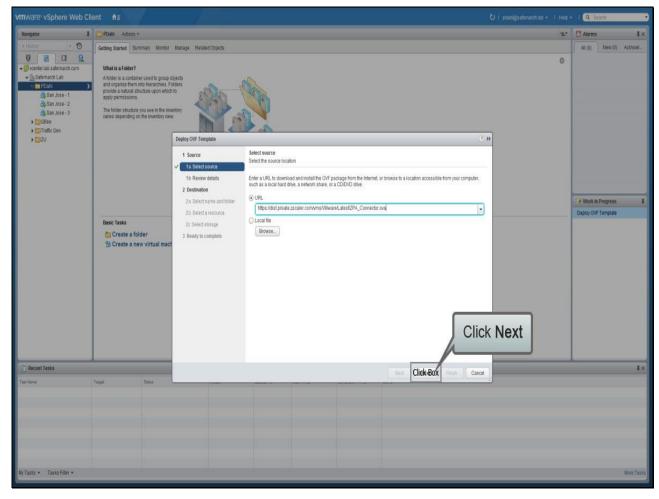
# Slide 13 - Slide 13



# Slide notes

There are two options for specifying the location for the OVF template file; you can **Browse** to locate a local copy of it or specify the URL for the file.

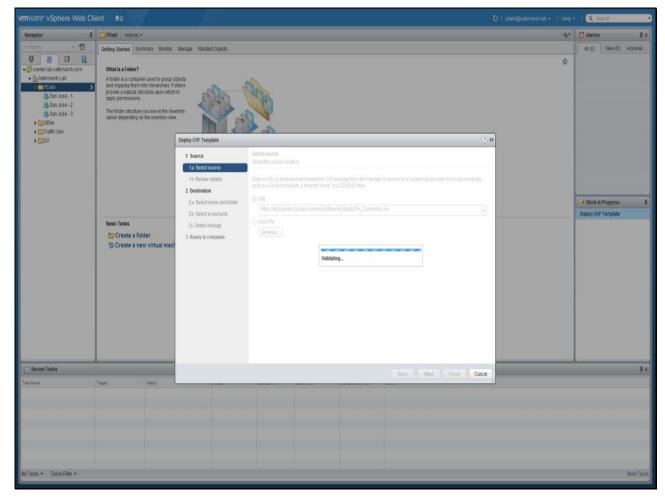
# Slide 14 - Slide 14



# Slide notes

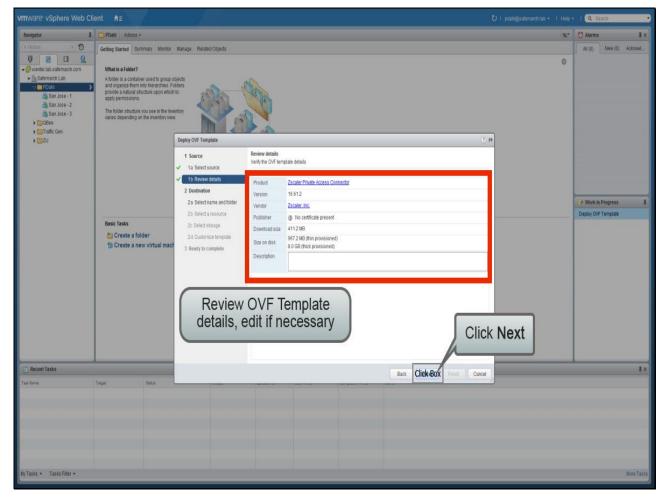
Having specified the correct location, click **Next**.

# Slide 15 - Slide 15



Slide notes

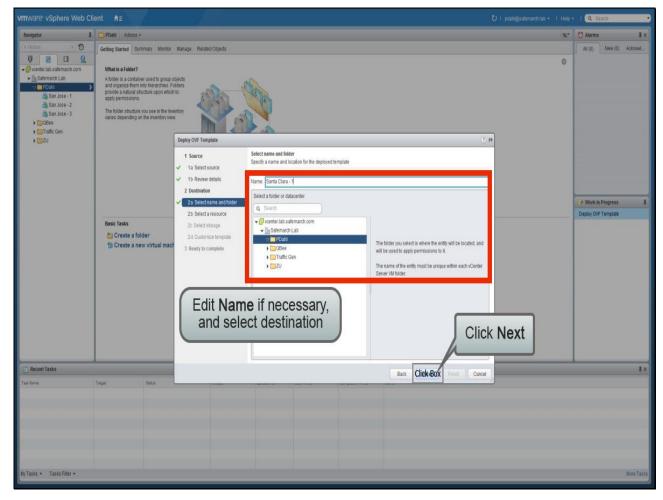
# Slide 16 - Slide 16



# Slide notes

Review the details for the file to verify it is the correct one, add a **Description** if necessary, then click **Next**.

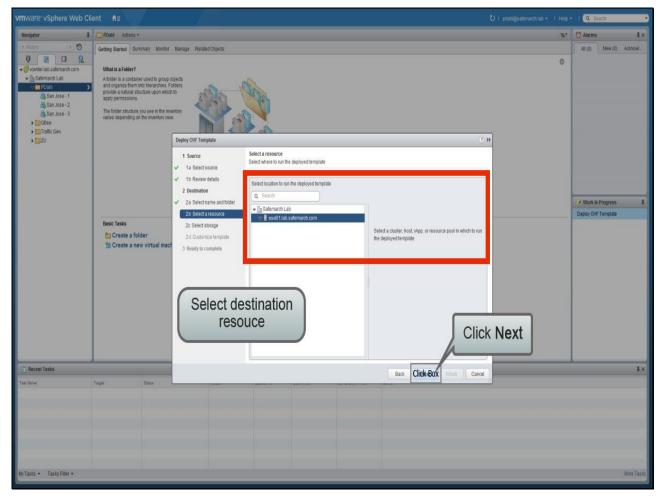
# Slide 17 - Slide 17



# Slide notes

Edit the Name for this Connector VM if necessary, and select an appropriate destination for it, then click Next.

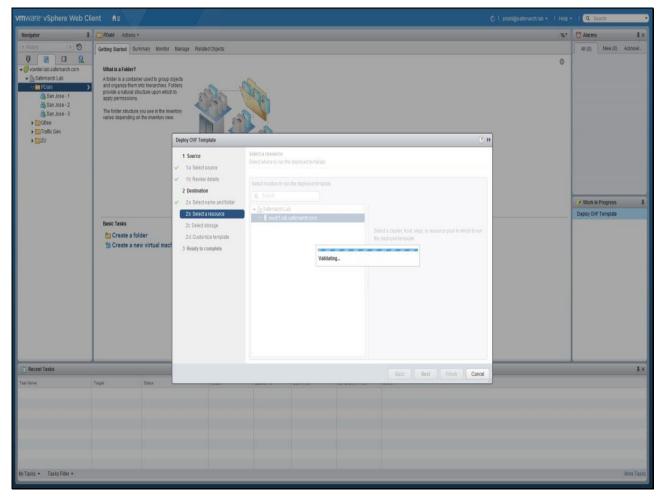
# Slide 18 - Slide 18



# Slide notes

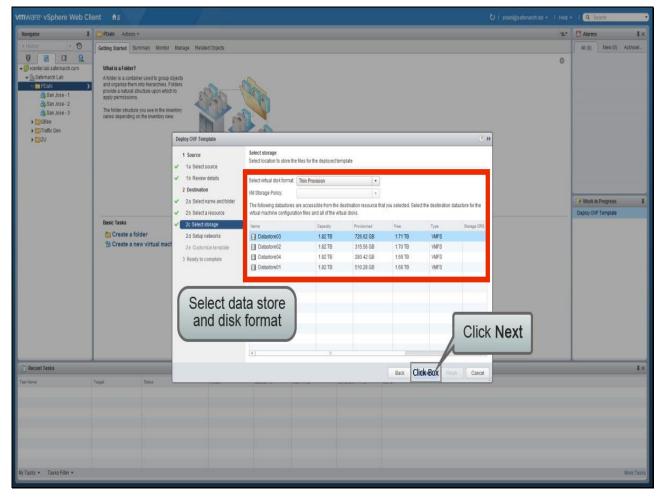
Select the destination resource (cluster, host, vApp, or resource pool), and click Next.

# Slide 19 - Slide 19



Slide notes

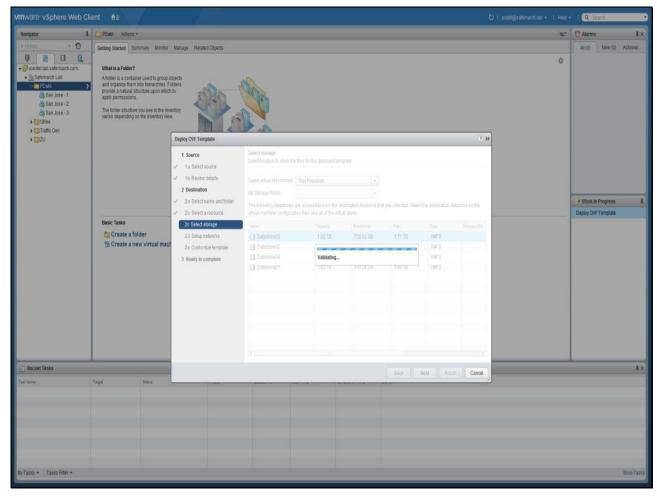
# Slide 20 - Slide 20



# Slide notes

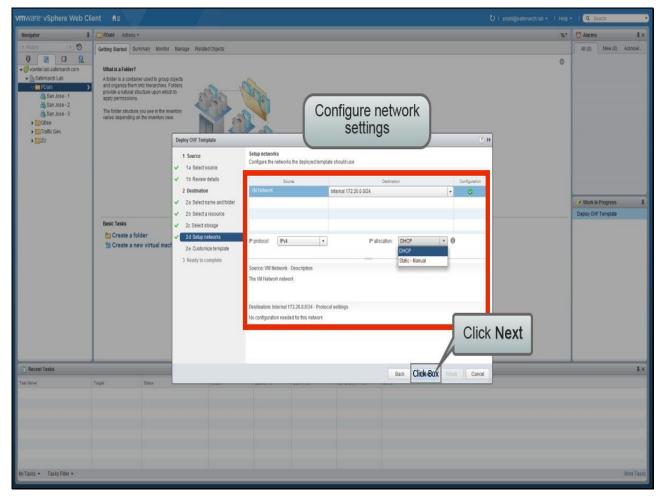
Select an appropriate data store, and select the virtual disk format, then click Next.

# Slide 21 - Slide 21



Slide notes

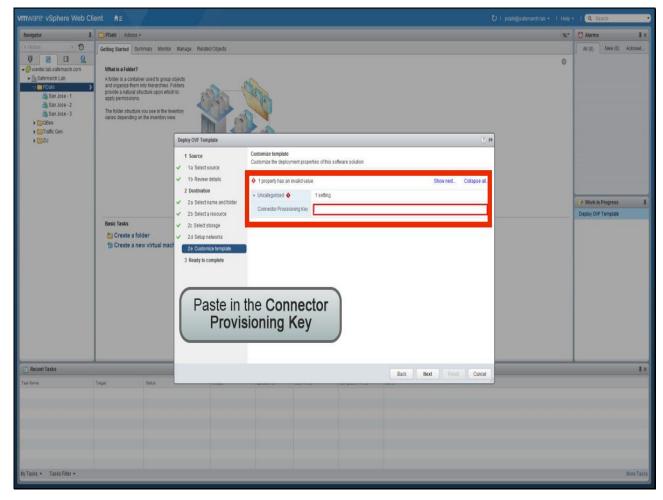
# Slide 22 - Slide 22



# Slide notes

Configure network settings as necessary, in this case we will select **DHCP** for the **IP Allocation** setting, then click **Next**.

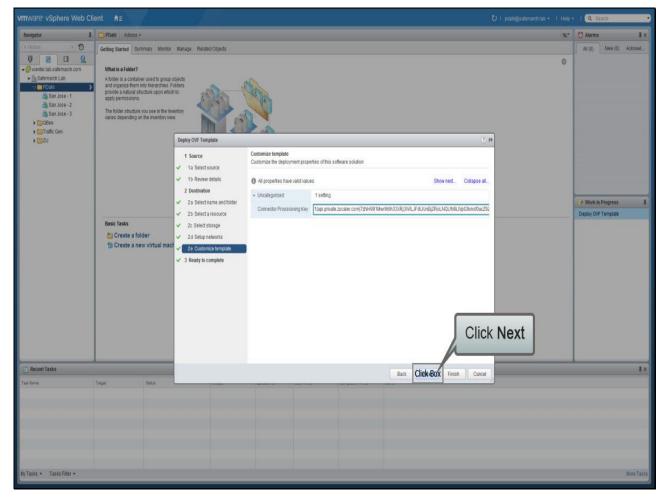
# Slide 23 - Slide 23



# Slide notes

Paste in the Connector **Provisioning Key** value, that you saved when provisioning it in the ZPA Admin Portal...

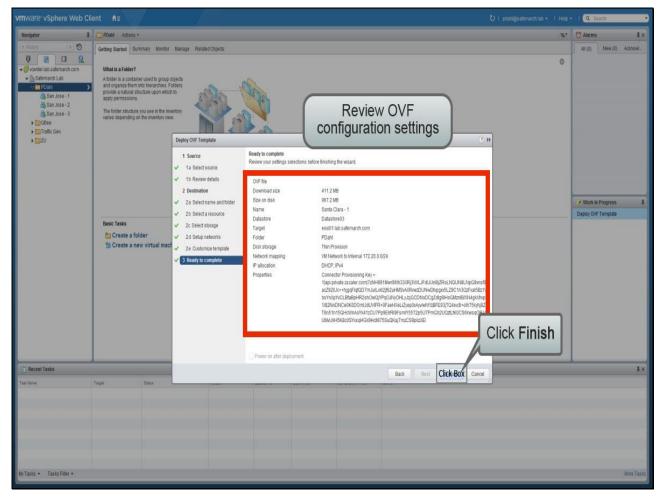
# Slide 24 - Slide 24



# Slide notes

...and click Next.

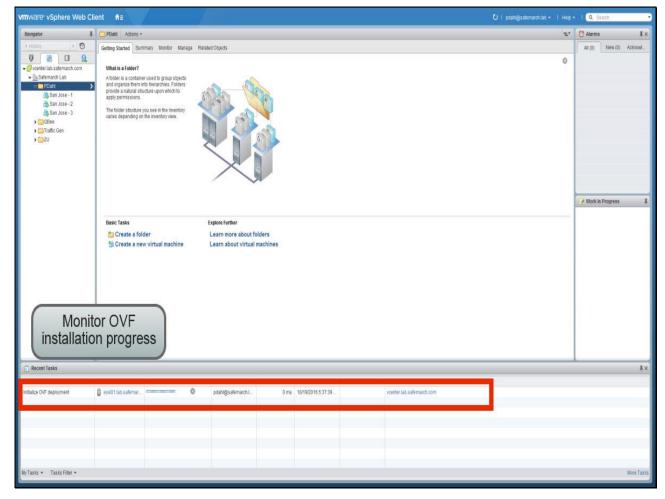
# Slide 25 - Slide 25



# Slide notes

Review the OVF settings, then click **Finish**...

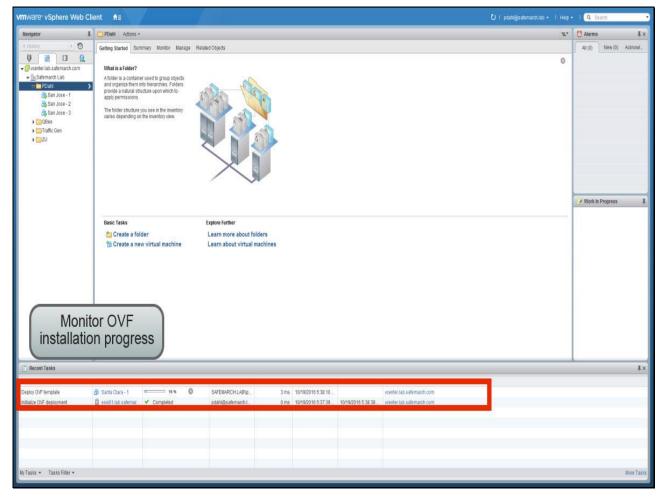
# Slide 26 - Slide 26



# Slide notes

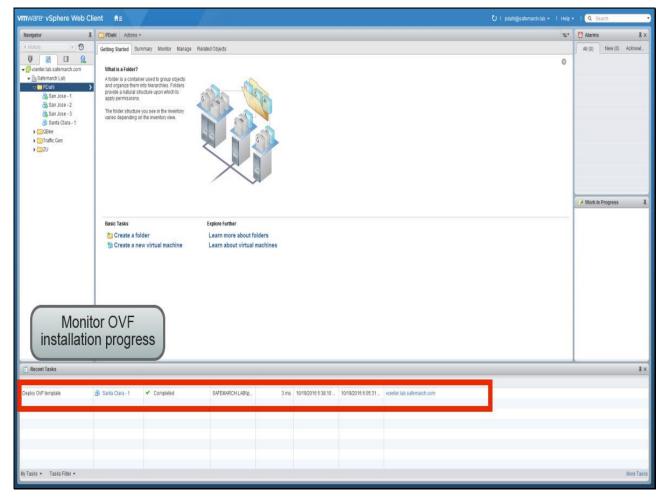
...and monitor the OVF install process.

# Slide 27 - Slide 27



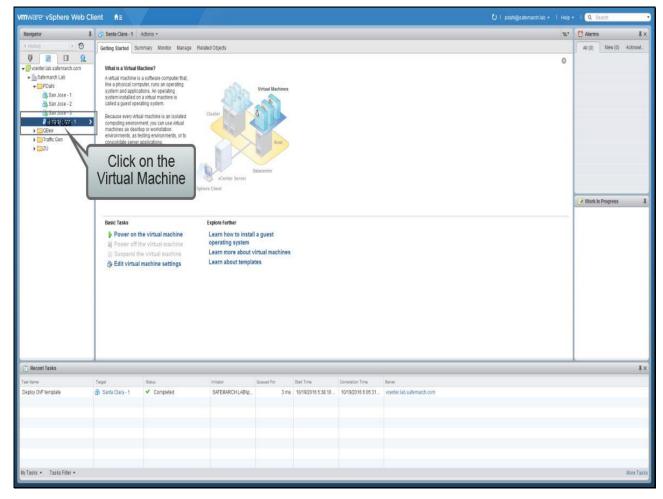
Slide notes

# Slide 28 - Slide 28



Slide notes

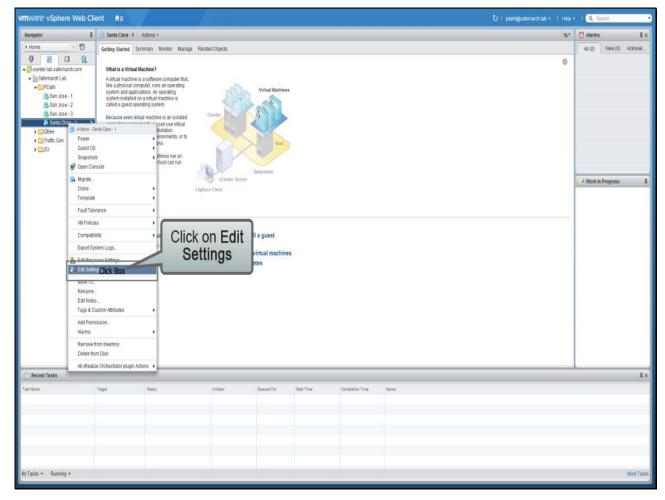
# Slide 29 - Slide 29



# Slide notes

Once the VM is installed, select it...

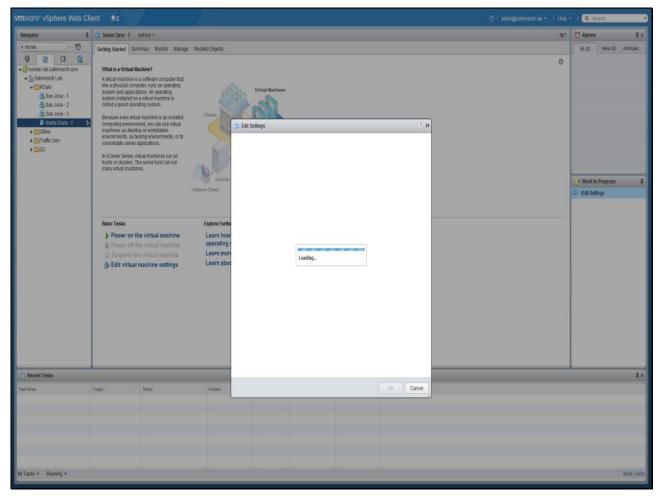
# Slide 30 - Slide 30



# Slide notes

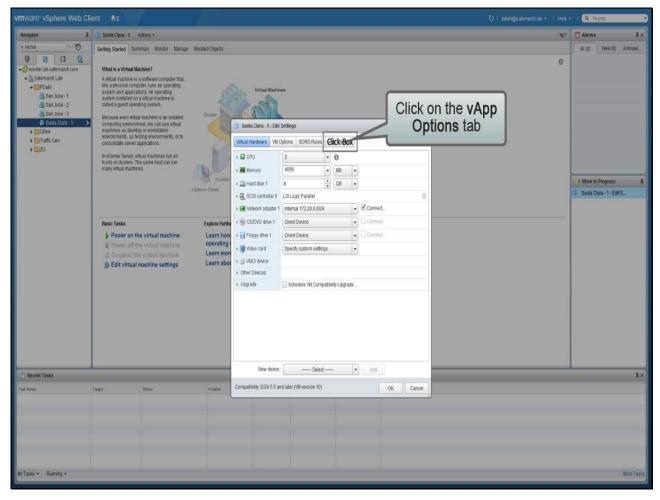
...right click and select the Edit Settings option. Note this can also be found under the Actions menu at the top

# Slide 31 - Slide 31



Slide notes

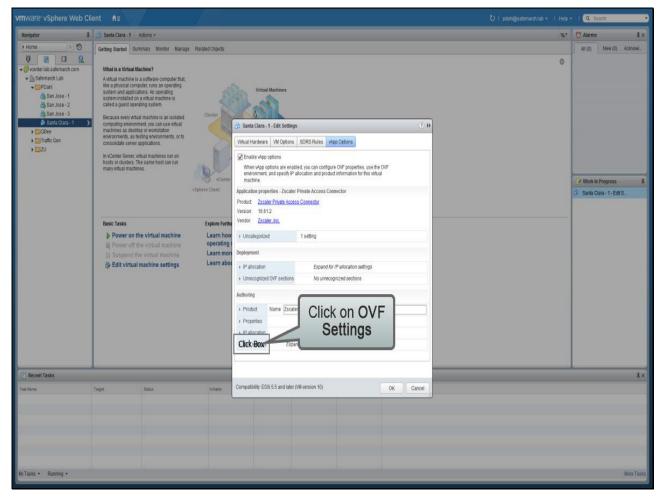
# Slide 32 - Slide 32



# Slide notes

To edit OVF settings, click on the **vApp Options** tab...

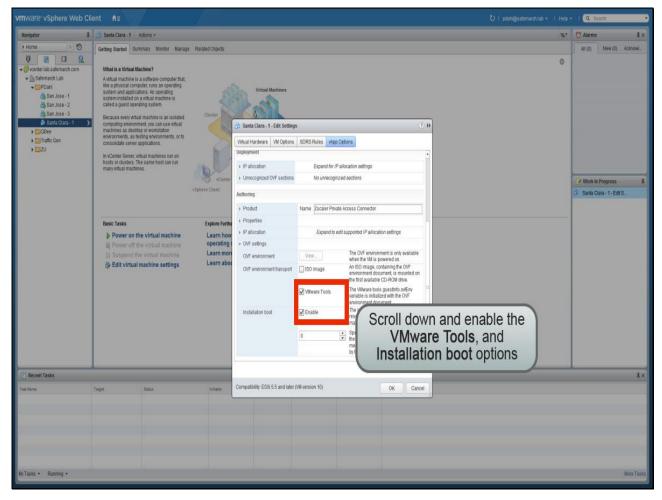
# Slide 33 - Slide 33



# Slide notes

...then click on **OVF Settings**.

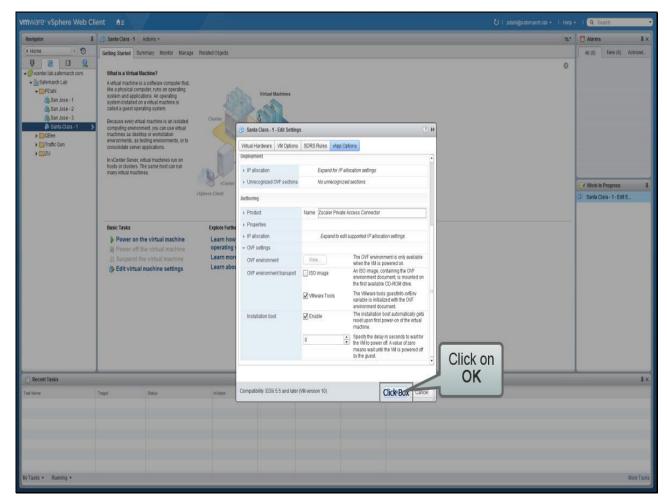
# Slide 34 - Slide 34



# Slide notes

Scroll down and ensure that both the **VMware Tools**, and **Installation boot** options are enabled...

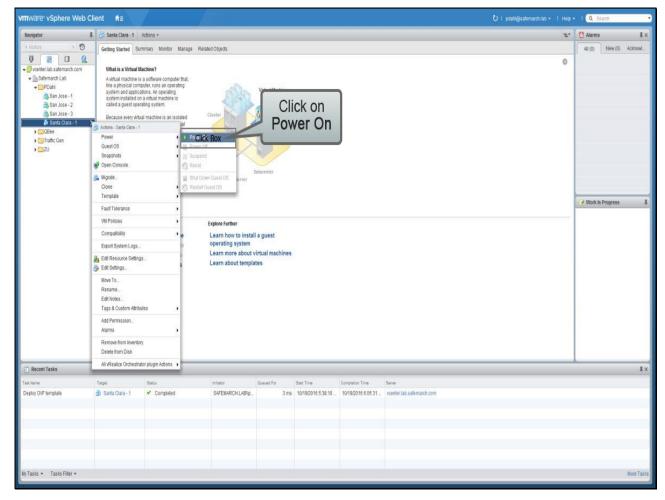
# Slide 35 - Slide 35



# Slide notes

...then click OK.

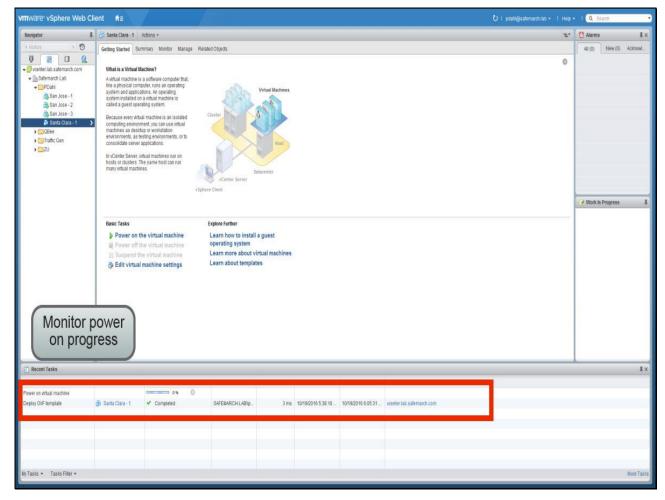
# Slide 36 - Slide 36



# Slide notes

...then from the **Power** menu options, select **Power On**...

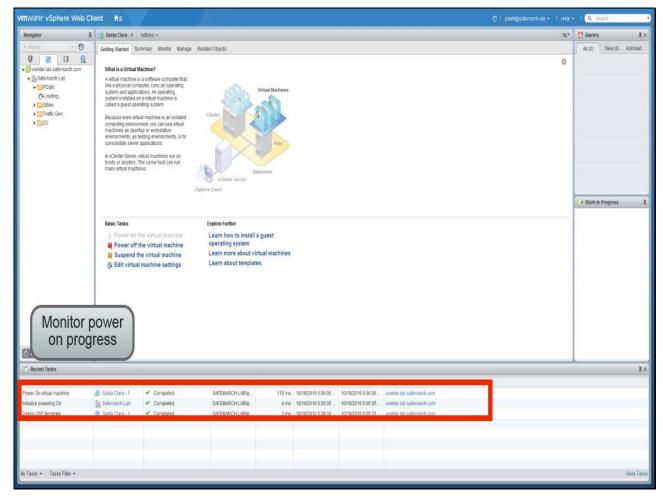
# Slide 37 - Slide 37



# Slide notes

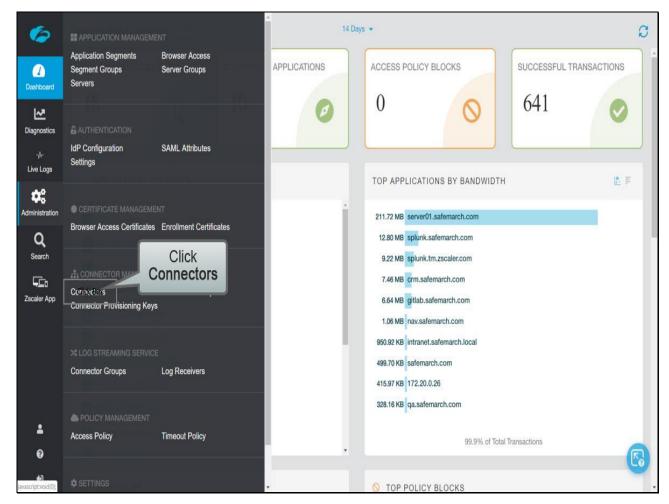
...and monitor the power on process.

# Slide 38 - Slide 38



Slide notes

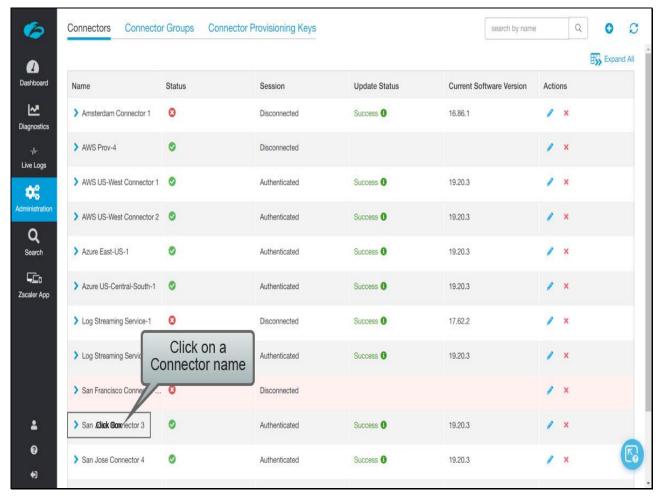
# Slide 39 - Slide 39



# Slide notes

At the ZPA Admin Portal, from the **Administration** menu, select **Connectors**.

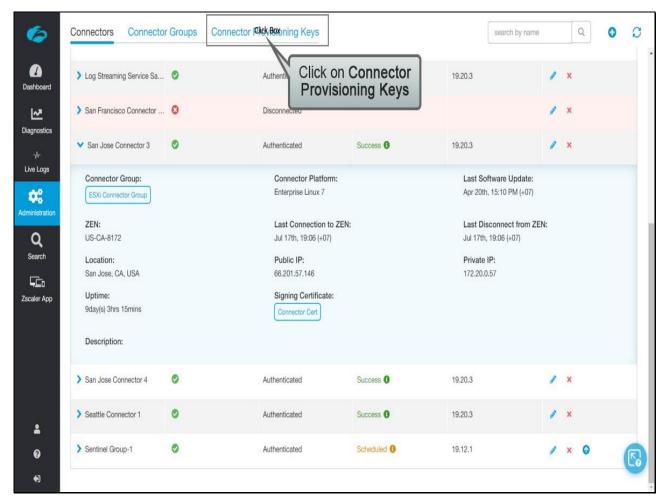
# Slide 40 - Slide 40



# Slide notes

Verify that the **Connectors** page now shows that your new Connector is active. To view more details for the Connector, click the name of a Connector...

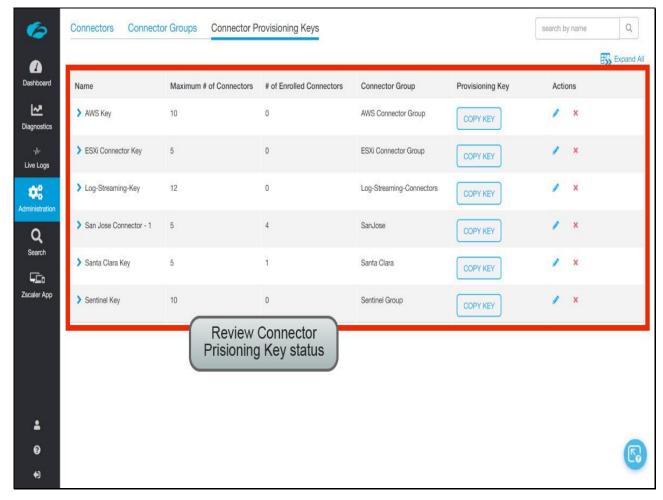
# Slide 41 - Slide 41



# Slide notes

To review the status of your Provisioning Keys, click on **Connector Provisioning Keys**.

# Slide 42 - Slide 42



# Slide notes

Check in particular the Max # Of Connectors, and # Of Enrolled Connectors values.

Thank you & Quiz

Slide 43 - Thank you & Quiz



#### Slide notes

Thank you for following this Zscaler training module, we hope this module has been useful to you and thank you for your time.

What follows is a short quiz to test your knowledge of the material presented during this module. You may retake the quiz as many times as necessary in order to pass.