

# vRealize LogInsight Installation Guide

## Scope -.Deploy the Log Insight Virtual Appliance

1. Download the Log Insight virtual appliance. VMware distributes the Log Insight virtual appliance as an . ova file.
2. Deploy the Log Insight virtual appliance by using the vSphere Client.

### II. Prerequisites

Verify that you have a copy of the Log Insight virtual appliance .ova file.

Verify that you have permissions to deploy OVF templates to the inventory.

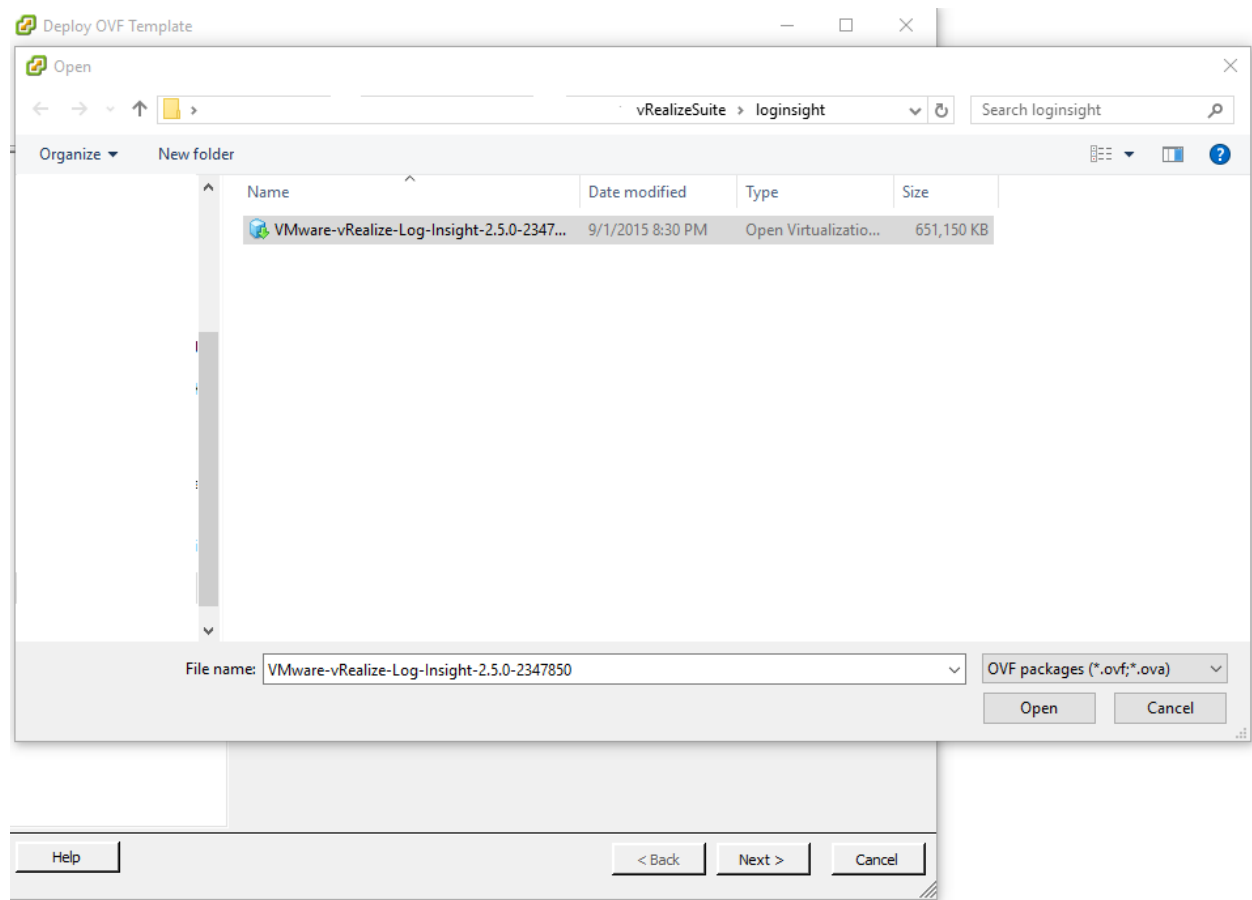
Verify that your environment has enough resources to accommodate the minimum requirements of the Log Insight virtual appliance.

Verify that you read and understand the virtual appliance sizing recommendations.

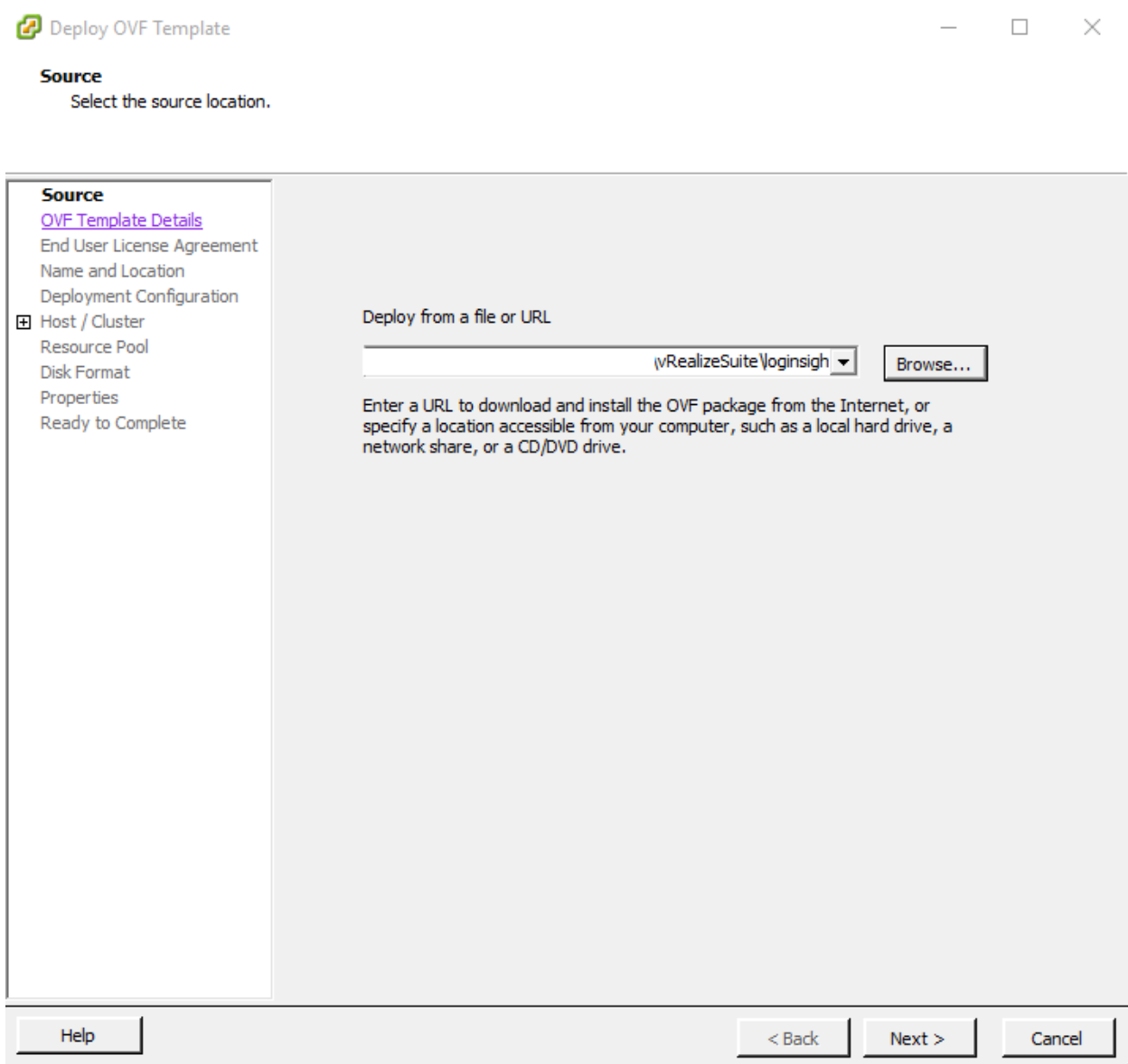
1.Download Loginsight from VMware.com -download

VMware-vRealized-Log-Insight-2.5.0.347

2. Deploy Log Insight--File Deploy OVF Template----->browse




3. the VMware -vRealize-Log-Insight-2.5.0.2347 and click open.



4. Click Next Proceed with deployment.

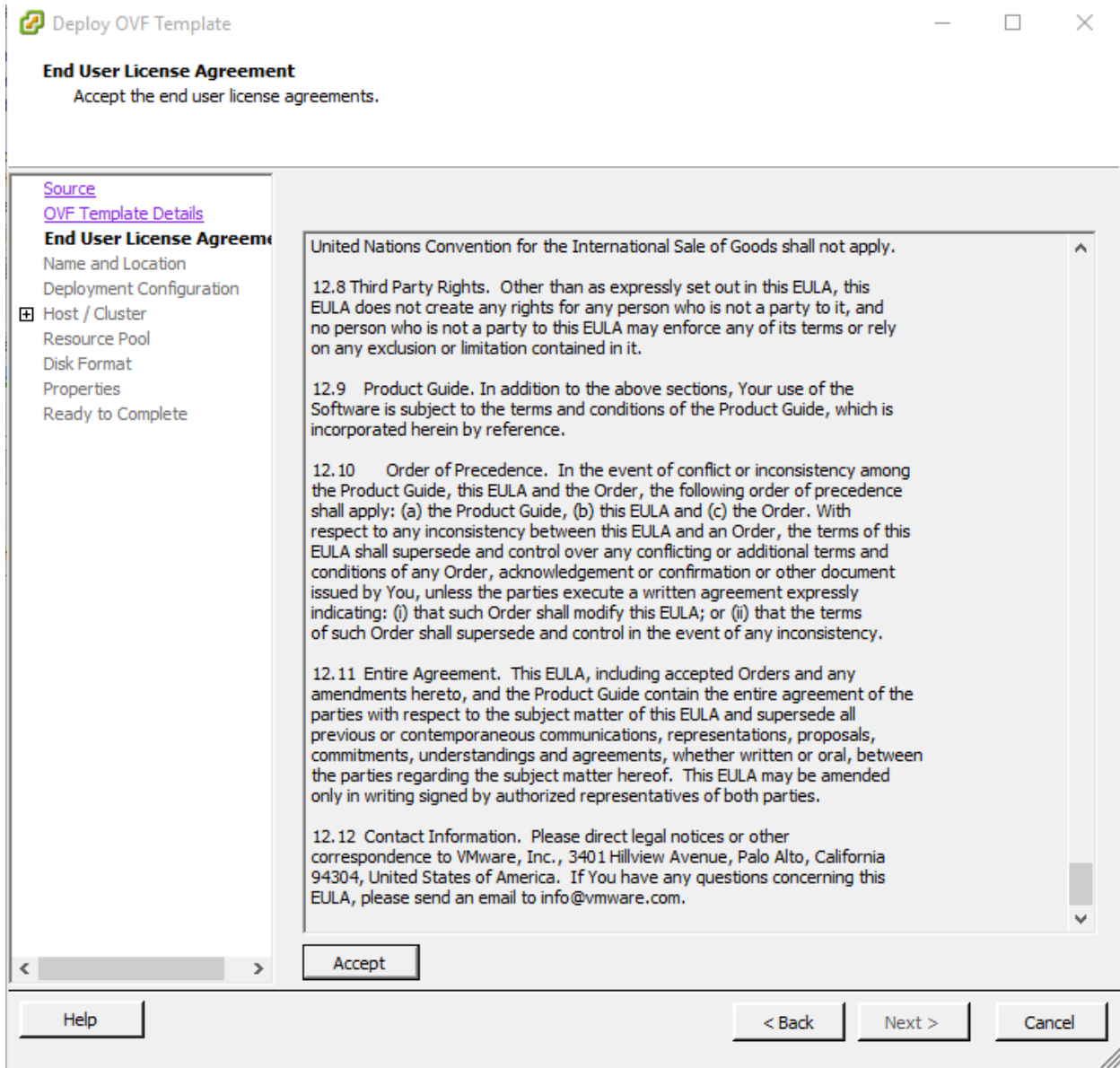
**OVF Template Details**

Verify OVF template details.

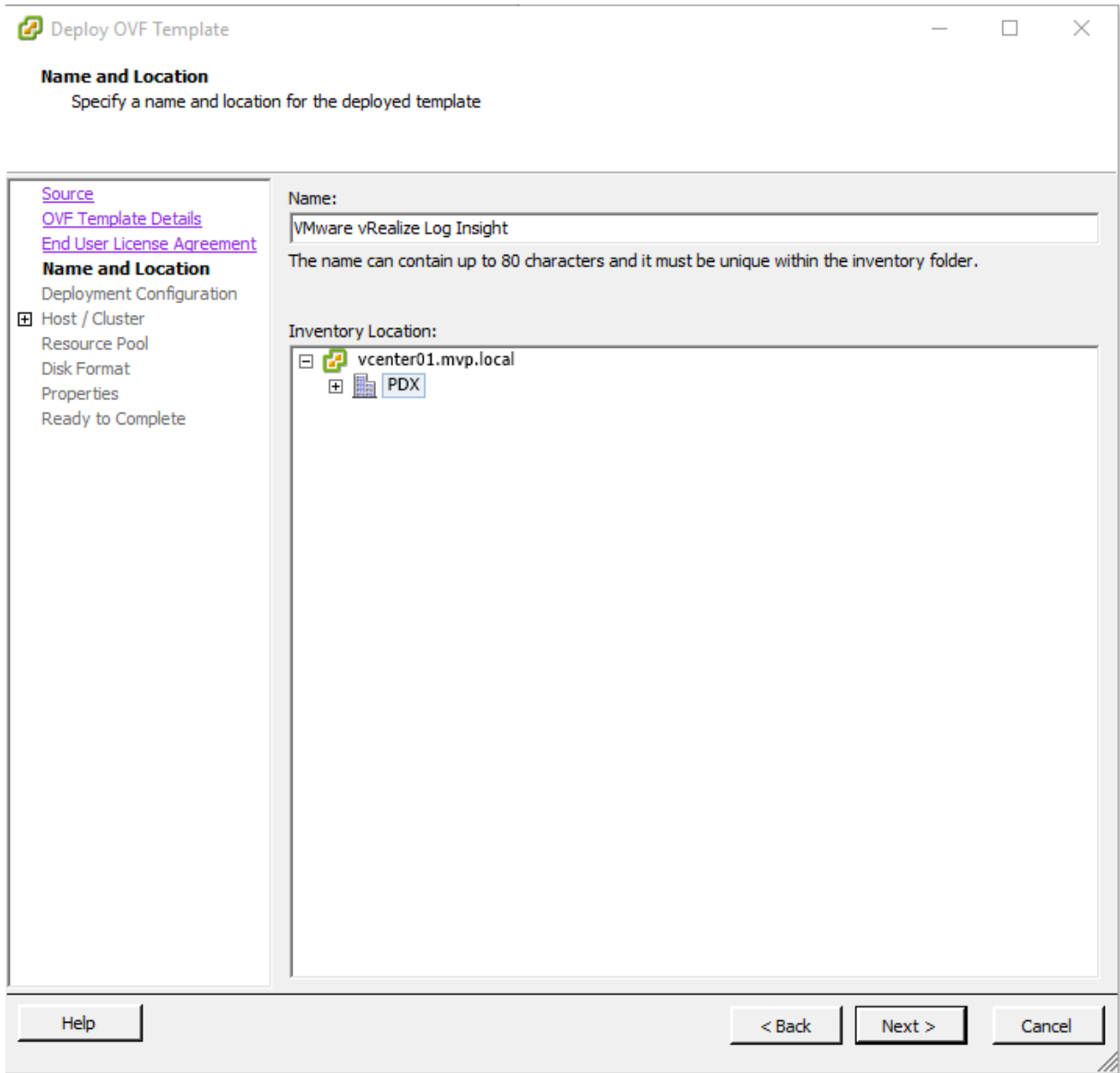
<p><a href="#">Source</a></p> <p><b>OVF Template Details</b></p> <p>End User License Agreement</p> <p>Name and Location</p> <p>Deployment Configuration</p> <p>Host / Cluster</p> <p>Resource Pool</p> <p>Disk Format</p> <p>Properties</p> <p>Ready to Complete</p>	<p><b>Product:</b> VMware vRealize Log Insight</p> <p><b>Version:</b> 2.5.0</p> <p><b>Vendor:</b> <a href="#">VMware Inc.</a></p> <p><b>Publisher:</b>  <a href="#">VMware, Inc.</a></p> <p><b>Download size:</b> 635.8 MB</p> <p><b>Size on disk:</b> 635.0 B (thin provisioned) 132.4 GB (thick provisioned)</p> <p><b>Description:</b> VMware vRealize Log Insight Running on SLES 11</p>
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Help < Back Next > Cancel

5. Click Next Proceed Deployment.



6. Click Accept and Next



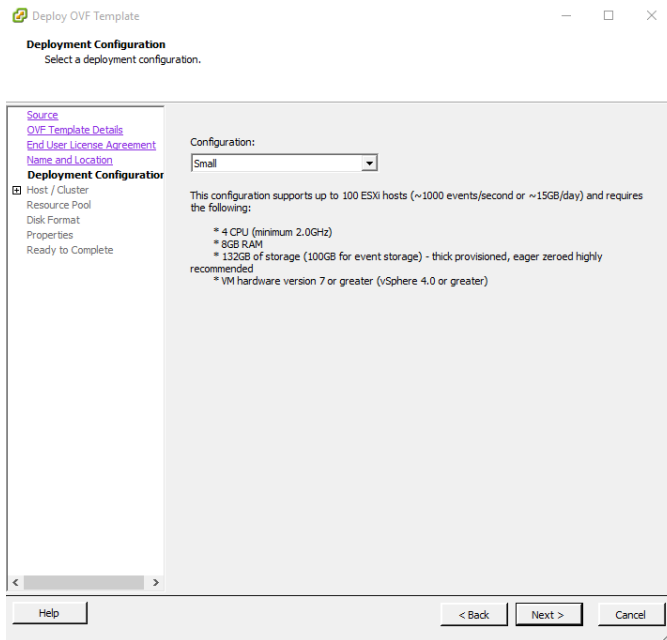
7. Keep Default or Set Log Insight Name to reflect DNS or FQDN Reference and Next.

## Sizing the Log Insight Virtual Appliance

By default, the Log Insight virtual appliance has 2 vCPUs, 4GB of virtual memory, and 144GB of disk space provisioned. Log Insight uses 100GB of the disk space to store raw data, index, metadata, and so on.

You can change the settings according to the environment for which you intend to collect logs.

During the virtual appliance deployment, you can select the size of the appliance as follows.



Configuration -Default Small and Click Next. 4CPU-8G RAM, and 132 GB Storage-

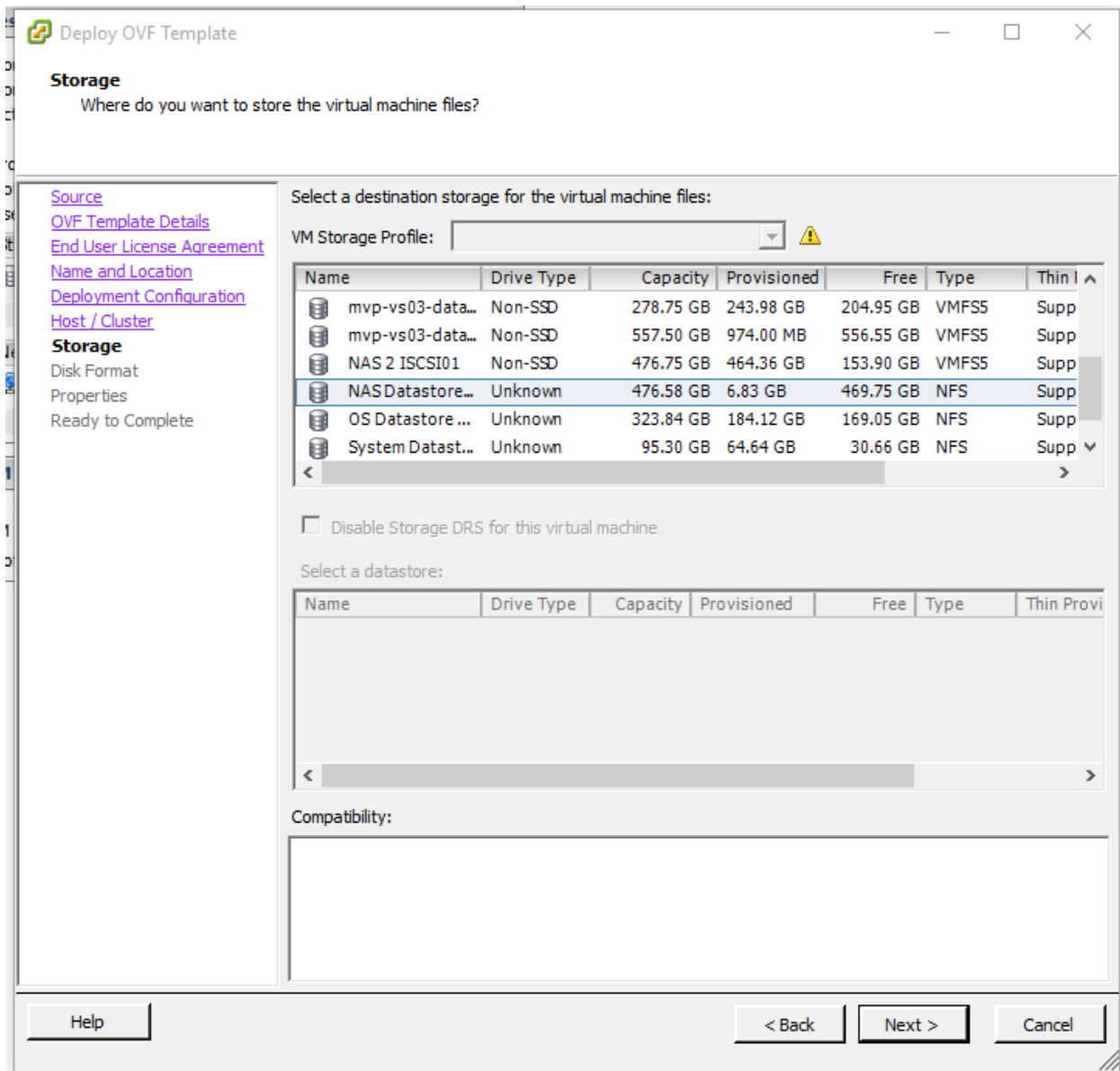
Option	Log Ingest Rate	vCPUs	Memory	IOPS	Syslog Connections	Events per Second
<b>Extra Small</b>	3GB/day	2	4GB	75	20	200
<b>Small</b>	15GB/day	4	8GB	500	100	1000
<b>Medium</b>	37.5GB/day	8	16GB	1000	250	2500
<b>Large</b>	112.5GB/day	16	32GB	1500	750	7500

**Host / Cluster**

On which host or cluster do you want to run the deployed template?

The screenshot shows a wizard window titled "Deploy OVF Template". The "Host / Cluster" step is active, asking the user to select a host or cluster. The left sidebar contains a navigation menu with the following items: "Source", "OVF Template Details", "End User License Agreement", "Name and Location", "Deployment Configuration", and "Host / Cluster". Under "Host / Cluster", there are sub-options: "Specific Host", "Resource Pool", "Disk Format", "Properties", and "Ready to Complete". The main content area displays a tree view of the environment. The root node is "PDX", which is expanded to show three sub-nodes: "IAAS", "POC", and "mvp-vs03.mvp.local". The "mvp-vs03.mvp.local" node is selected. At the bottom of the window, there are four buttons: "Help", "< Back", "Next >", and "Cancel".

7. Select Host/Cluster on which Log Insight Resides On and Click Next.



8. Select Storage Location - VM Storage Profile and Click Next.

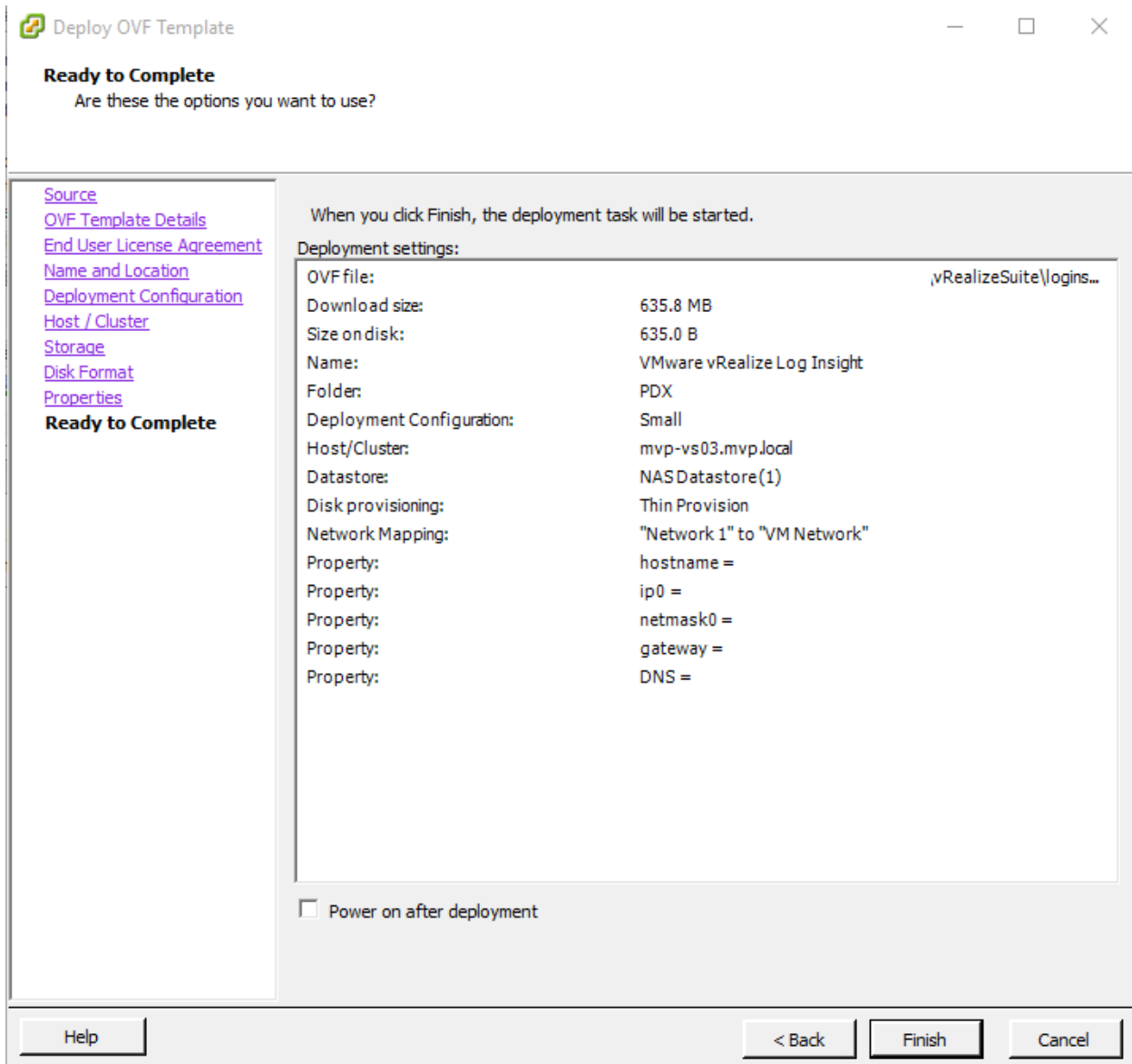


**Disk Format**

In which format do you want to store the virtual disks?

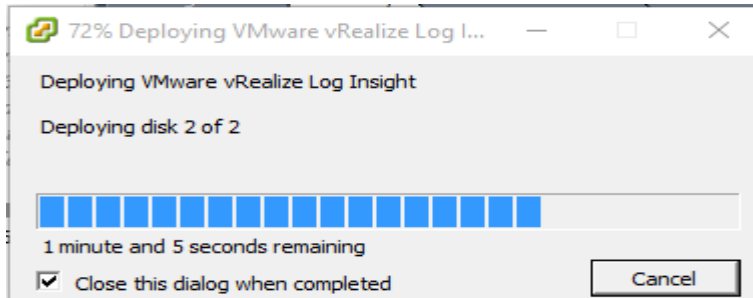
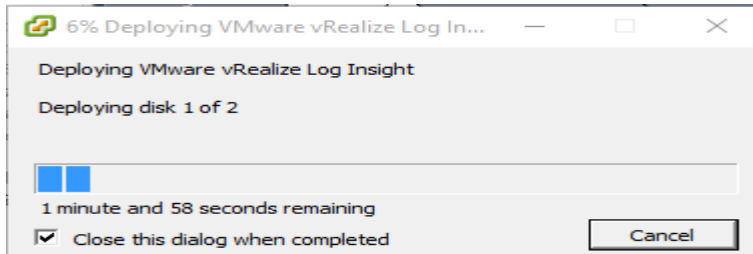
<a href="#">Source</a> <a href="#">OVF Template Details</a> <a href="#">End User License Agreement</a> <a href="#">Name and Location</a> <a href="#">Deployment Configuration</a> <a href="#">Host / Cluster</a> <a href="#">Storage</a> <b>Disk Format</b> Properties Ready to Complete	<p>Datastore: <input type="text" value="NAS Datastore (1)"/></p> <p>Available space (GB): <input type="text" value="469.7"/></p> <p><input type="radio"/> Thick Provision Lazy Zeroed</p> <p><input type="radio"/> Thick Provision Eager Zeroed</p> <p><input checked="" type="radio"/> Thin Provision</p>
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9.Storage Format -Default and Click Next.

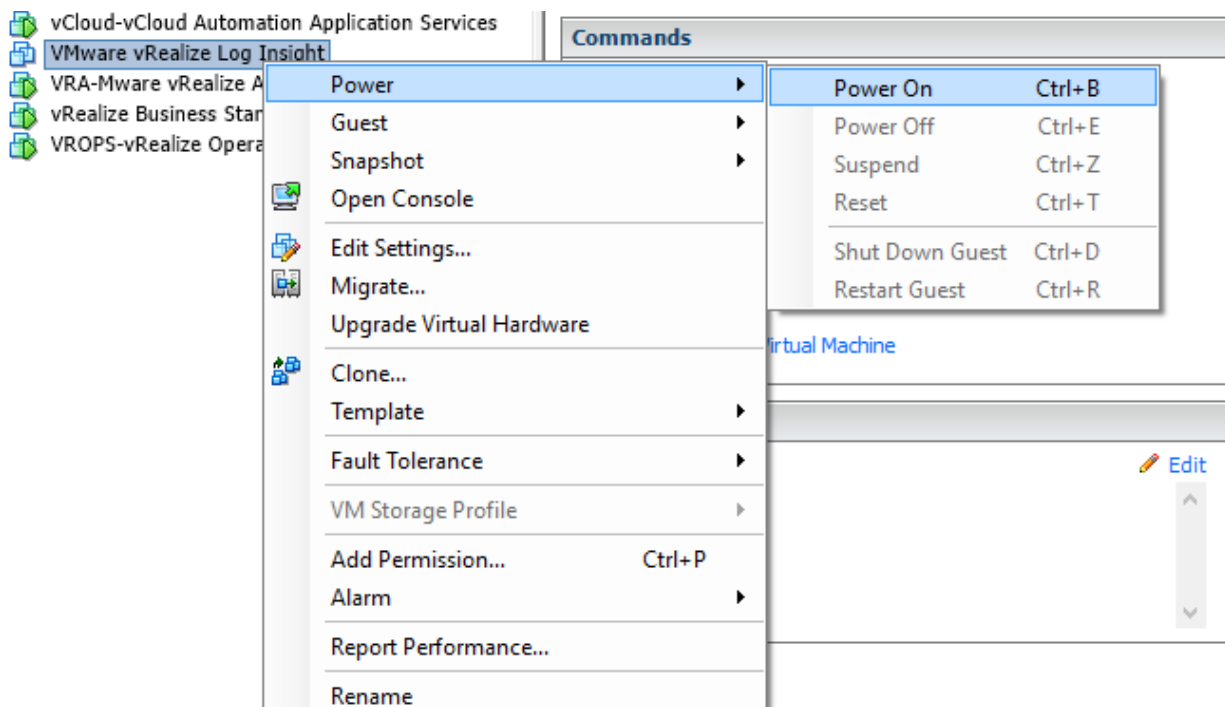


10. Ready to Complete -Summary of Deployment -and Click Finish.

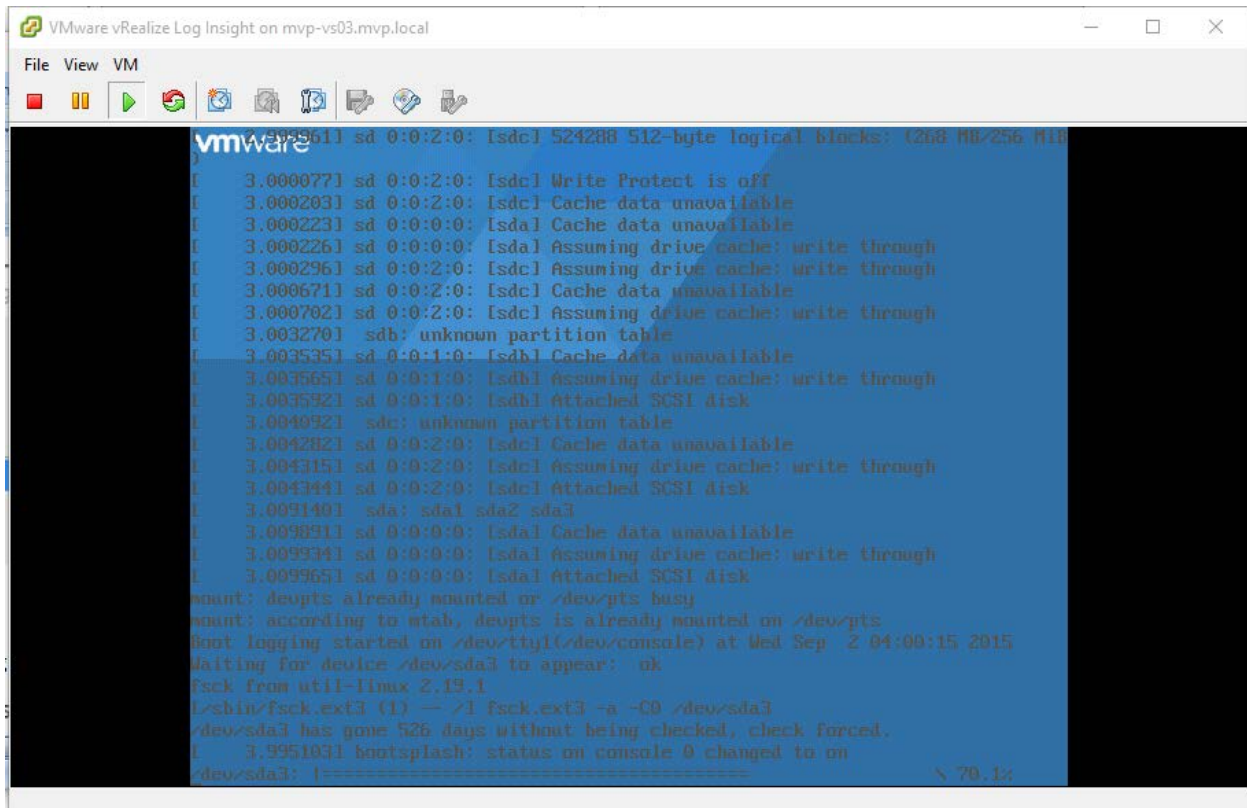
Deployment VMware Log Insight Status Deployment will display progress.



Power up VMware vRealize Log Insight



## 10. Go to VMware vRealize Log Insight Console



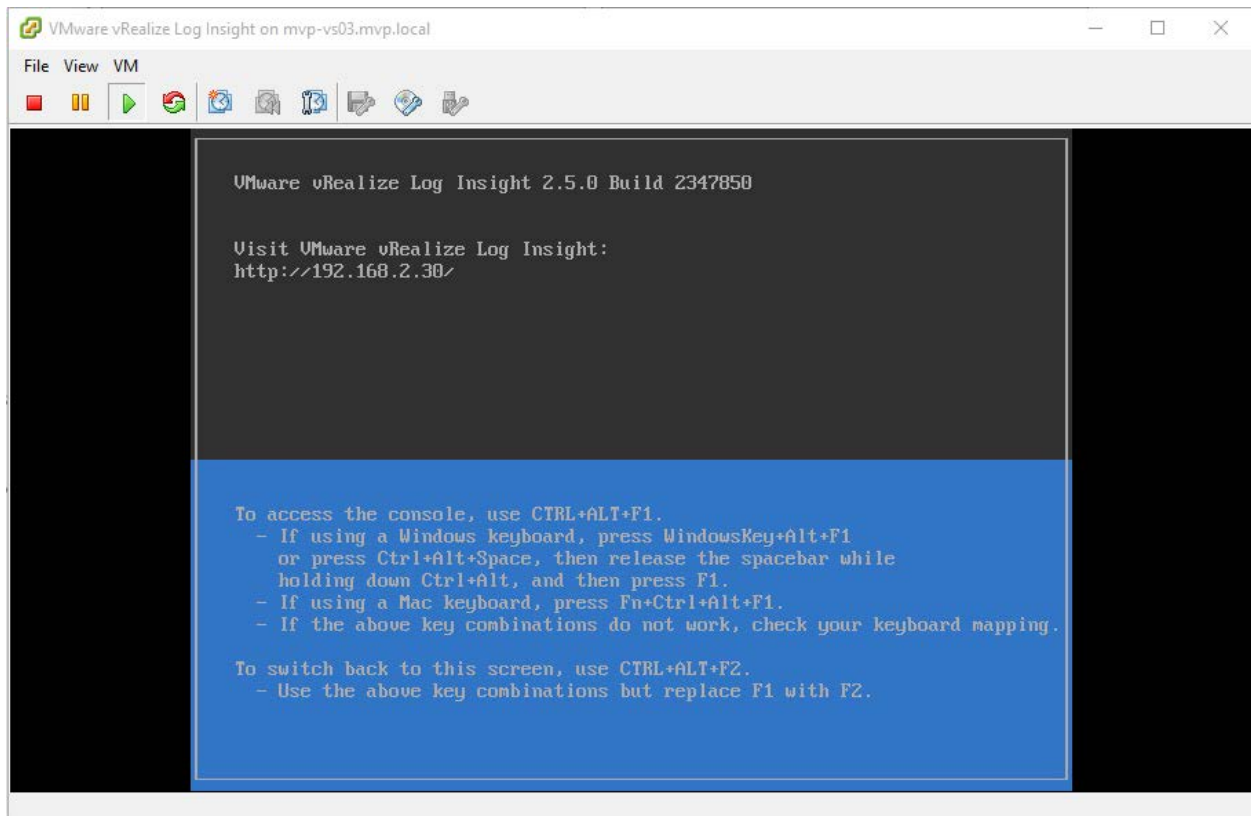
The screenshot shows the VMware vRealize Log Insight Console interface. The window title is "VMware vRealize Log Insight on.mvp-vs03.mvp.local". The interface includes a menu bar with "File", "View", and "VM" options, and a toolbar with various icons. The main content area displays a log stream with a blue background. The log text is as follows:

```
vmware
3.000000 sd 0:0:2:0: lsdcl 524288 512-byte logical blocks: (268 MB/256 MB)
3.000077 sd 0:0:2:0: lsdcl Write Protect is off
3.000203 sd 0:0:2:0: lsdcl Cache data unavailable
3.000223 sd 0:0:0:0: lsdal Cache data unavailable
3.000226 sd 0:0:0:0: lsdal Assuming drive cache: write through
3.000296 sd 0:0:2:0: lsdcl Assuming drive cache: write through
3.000671 sd 0:0:2:0: lsdcl Cache data unavailable
3.000702 sd 0:0:2:0: lsdcl Assuming drive cache: write through
3.003270 sdb: unknown partition table
3.003535 sd 0:0:1:0: lsdhl Cache data unavailable
3.003565 sd 0:0:1:0: lsdhl Assuming drive cache: write through
3.003592 sd 0:0:1:0: lsdhl Attached SCSI disk
3.004092 sdc: unknown partition table
3.004282 sd 0:0:2:0: lsdcl Cache data unavailable
3.004315 sd 0:0:2:0: lsdcl Assuming drive cache: write through
3.004344 sd 0:0:2:0: lsdcl Attached SCSI disk
3.009149 sda: sda1 sda2 sda3
3.009891 sd 0:0:0:0: lsdal Cache data unavailable
3.009934 sd 0:0:0:0: lsdal Assuming drive cache: write through
3.009965 sd 0:0:0:0: lsdal Attached SCSI disk
mount: devpts already mounted or /dev/pts busy
mount: according to mtab, devpts is already mounted on /dev/pts
Boot logging started on /dev/tty1(/dev/console) at Wed Sep 2 04:00:15 2015
Waiting for device /dev/sda3 to appear: ok
fsck from util-linux 2.19.1
lshin/fsck.ext3 (1) -- /1 fsck.ext3 -a -C0 /dev/sda3
/dev/sda3 has gone 526 days without being checked, check forced.
3.995103 boot splash: status on console 0 changed to on
/dev/sda3: |-----|
\ 70.1:
```

```
VMware vRealize Log Insight on mvp-vs03.mvp.local
File View VM
PARTIAL MODE. Incomplete logical volumes will be processed.
2 logical volume(s) in volume group "data" now active
udev[14381]: specified group 'lp' unknown

Checking file systems... done
fsck from util-linux 2.19.1
/dev/sda1: clean, 47/33864 files, 42103/135168 blocks
/dev/mapper/data-var: clean, 23/1310720 files, 126350/5242880 blocks
/dev/mapper/data-core: clean, 13/6553600 files, 459383/26213376 blockdone
Mounting local file systems...
proc on /proc type proc (rw)
sysfs on /sys type sysfs (rw)
[ 11.250314] loop: module loaded
udev on /dev type tmpfs (rw,mode=0755)
tmpfs on /dev/shm type tmpfs (rw,mode=1777)
devpts on /dev/pts type devpts (rw,mode=0620,gid=5)
[ 11.338526] kjournald starting. Commit interval 15 seconds
[ 11.342473] EXT3-fs (sda1): using internal journal
[ 11.342849] EXT3-fs (sda1): mounted filesystem with ordered data mode
/dev/sda1 on /boot type ext3 (rw,noexec,nosuid,nodev,noacl)
[ 11.355474] kjournald starting. Commit interval 15 seconds
[ 11.358873] EXT3-fs (dm-0): using internal journal
[ 11.360022] EXT3-fs (dm-0): mounted filesystem with ordered data mode
/dev/mapper/data-var on /storage/var type ext3 (rw)
[ 11.376930] kjournald starting. Commit interval 15 seconds
[ 11.379171] EXT3-fs (dm-1): using internal journal
[ 11.380298] EXT3-fs (dm-1): mounted filesystem with ordered data mode
/dev/mapper/data-core on /storage/core type ext3 (rw) done
Check if the profiles matches the system_
```

11. Validate all process are running and Log Insight process are starting up..



12. Log Insight will pick up DHCP and you can set static address to it.

## Reference

1. Deploy VMware vRealize Log Insight -

<http://pubs.vmware.com/log-insight-15/index.jsp?topic=%2Fcom.vmware.log-insight.getting-started.doc%2FGUID-F73595DC-1511-4A19-9AE4-02C8FEDF5CF5.html>