How to install CentOS/RHEL 6.5 for use with Symantec Mobility

Important: For this guide, the minimal CentOS/RHEL 6.5 is shown; the minimal CentOS/RHEL 6.6 ISO also is compatible. It is highly recommended to use the minimal ISO rather than selecting **minimal** when installing a full ISO.

Download CentOS 6.5

- Download the CentOS 6.5 minimal operating system to a workstation by clicking <u>here</u> and navigating to the USA HTTP Link > 6.5 > isos > x86_64 > CentOS-6.5-x86_64-minimal.iso
- 2. After the download completes, open a console to the VM and select the ⁽¹⁾ (disk) icon and select **Connect to ISO on Local Disk**.
- 3. Browse to the CentOS 6.5 ISO and click **open**.
- 4. Click anywhere in the console and hit enter. (This forces the VM to look for a new boot source).
- 5. Ensure that **Install or upgrade an existing system** is selected:

Helcome to CentOS 6.6!	
Install or upgrade an existing system Install system with basic video driver Rescue installed system Boot from local drive Memory test	
Press [Tab] to edit options Automatic boot in 42 seconds	
ENTERPRISE Operating System	

6. Allow about 10 minutes (if workstation ISO is used) to load. Hit **tab** to select **Skip** and **Enter** to continue:



- 7. Next to continue.
- 8. Select English (English) for the install language and Next.
- 9. If using a non-QWERTY keyboard, select the language used on the workstation and click **Next** to continue.

Note: When typing passwords into a remove VM the keyboard selection can cause an incorrect password to be created. Be sure that the keyboard selection is the preferred before continuing.

10. Select Basic Storage Devices and Next:

: View VM II	
nat type of devices will your installation involve?	
Basic Storage Devices Installs or upgrades to typical types of storage devices. If you're not sure which option is right if this is probably it.	ior you,
Specialized Storage Devices Installs or upgrades to enterprise devices such as Storage Area Networks (SANs). This option will you to add FCoE / ISCSI / zFCP disks and to filter out devices the installer should ignore.	l allow
	Back Next

11. When prompted click Yes, discard any data:

	Storage Device Warning
📐 The	e storage device below may contain data.
	VMware Virtual disk 30720.0 MB pci-0000:00:10.0-scsi-0:0:0:0
We	could not detect partitions or filesystems on this device.
This or v not rem Are	could be because the device is blank , unpartitioned , irtual . If not, there may be data on the device that can be recovered if you use it in this installation. We can ove the device from this installation to protect the data. you sure this device does not contain valuable data?
V 4	Apply my choice to all devices with undetected partitions or filesystems
	Yes, discard any data No, keep any data
-	

- 12. If the tenant's hostname were **mobile**.mydomain.com, enter **mobile** for the hostname. Enter the server's hostname replacing **localhost.localdomain** and click **Configure Network**.
- 13. Select System eth0 (or the available NIC) and click Edit...:

anne	Last Used A
Wired	Edi
	E

14. Within the **Editing System eth0** window, check the box next to **Connect automatically** and click on the **IPv4 Settings** tab:

	Editing System eth0
Connection name:	System eth0
Connect autom	natically
Available to all	users
Wired 802.1x Se	ecurity IPv4 Settings IPv6 Settings
Method: Manu	lal 🔷
Addresses	
Address	Netmask Gateway Add
	Delete
DNS servers:	
Search domai	ns:
DHCP client I	
	v4 addressing for this connection to complete
M Require in	addressing for this connection to complete
	Routes
	Cancel Apply
-	

15. For **Method** select **Manual** and in the **Addresses** area click **Add** and enter the internet protocol (IP) information for this server.

Important: It is necessary for the Mobility Suite Front End (FE) to be able to fully communicate, without outbound proxy. See <u>HOWTO94496</u> for a complete list of required ports.

16. Confirm the IP information and Apply:

Note: The IP information for this server will vary from the example shown below. Obtain a valid static IP address for the organization's systems administrator.

Connection name: System eth0 ✓ Connect automatically ✓ Available to all users Wired 802.1x Security IPv4 Settings IPv6 Settings Method: Manual Addresses Addresses Addresses Addresses Address: Netmask Gateway Add 172.19.215.14 255.255.255.0 172.19.215.1 Delete DNS servers: 172.19.216.6 Search domains: DHCP client ID: ✓ Require IPv4 addressing for this connection to complete Routes	E	diting System eth0
 ✓ Connect automatically ✓ Available to all users Wired 802.1x Security IPv4 Settings IPv6 Settings Method: Manual Addresses Addresses Address Netmask Gateway Add 172.19.215.14 255.255.255.0 172.19.215.1 Delete DNS servers: 172.19.216.6 Search domains: DHCP client ID: ✓ Require IPv4 addressing for this connection to complete Routes 	Connection name: Sy	ystem eth0
Wired 802.1x Security IPv4 Settings IPv6 Settings Method: Manual \$ Addresses Add Add I72.19.215.14 255.255.255.0 172.19.215.1 Delete DNS servers: 172.19.216.6	 Connect automatication Available to all use 	ally rs
Method: Manual ↓ Addresses Address Add 172.19.215.14 255.255.0 172.19.215.1 Delete DNS servers: 172.19.216.6	Wired 802.1x Securit	ty IPv4 Settings IPv6 Settings
Addresses Address Netmask Gateway Add 172.19.215.14 255.255.0 172.19.215.1 Delete DNS servers: 172.19.216.6	Method: Manual	(≎)
Address Netmask Gateway Add 172.19.215.14 255.255.0 172.19.215.1 Delete DNS servers: 172.19.216.6	Addresses	
172.19.215.14 255.255.0 172.19.215.1 Delete DNS servers: 172.19.216.6 Search domains: DHCP client ID: DHCP client ID: Image: Complete in the image: Complete in th	Address Ne	etmask Gateway Add
DNS servers: 172.19.216.6 Search domains:	172.19.215.14 25	5.255.255.0 172.19.215.1 Delete
DNS servers: 172.19.216.6 Search domains:		
Search domains: DHCP client ID: ☑ Require IPv4 addressing for this connection to complete Routes	DNS servers:	172.19.216.6
DHCP client ID: Require IPv4 addressing for this connection to complete Routes	Search domains:	
✓ Require IPv4 addressing for this connection to complete Routes	DHCP client ID:	
Routes	☑ Require IPv4 ac	ddressing for this connection to complete
		Routes
Cancel Apply		Cancel

- 17. Click Close on the Network Connections sub-window and Next on the parent window.
- 18. Ensure that the **System clock uses UTC** is checked and the **America/Los Angeles** time zone is selected and **Next**.
- 19. Enter and confirm a <u>complex</u> root password and **Next:**

The root the syst user.	account is used for a em. Enter a password	dministering for the root		- 1
oot Password:	•••••			
Confirm:	•••••			
			Back	Next

20. Use the default installation type: **Replace Existing Linux System(s)** and leave the encryption and partition layout options unchecked:

hich typ	e of installation would you like?
	Use All Space Removes all partitions on the selected device(s). This includes partitions created by other operating systems.
	Tip: This option will remove data from the selected device(s). Make sure you have backups.
OS	Replace Existing Linux System(s) Removes only Linux partitions (created from a previous Linux installation). This does not remove other
° 🞽	partitions you may have on your storage device(s) (such as VFAT or FAT32).
	Tip: This option will remove data from the selected device(s). Make sure you have backups.
	Shrink Current System
	Similiks existing partitions to create mee space for the default layout.
	Use Free Space Retains your current data and partitions and uses only the unpartitioned space on the selected device (s), assuming you have enough free space available.
0 7	Create Custom Layout Manually create your own custom layout on the selected device(s) using our partitioning tool.
Encryp	t system
Review	and modify partitioning layout
	Seck Next

21. When prompted select Write changes to disk:

The partitioning options you have selected will now be written to disk. Any data on deleted or reformatted partitions will be los	
Go back	Write changes to disk

Note: If the following error occurs reconnect the CentOS ISO to the VM console (steps 18-19) and select **Retry** Allow about 10 minutes for the disk to reconnect. If that fails, select **Exit installer**, power off and delete the VM. Repeat steps 1-35 and ensure that there is a solid connection between the workstation and VMware host:



- 22. If prompted for installation type, select Minimal.
- 23. The OS installation should now proceed. This can take up to 1 hour depending on host performance/utilization factors :



24. Once the CentOS installation is complete, select Reboot.

Tip: To view a detailed (retro) startup menu press the F2 key.

Note: If the boot priority is set to boot from optical drive, the CentOS ISO needs to be un-mounted from the system.

25. Log into the system as **root** using the complex password created during the OS installation. Continue to <u>Root Shell Access</u>:

CentOS release 6.6 (Final) Kernel 2.6.32-504.el6.x86_64 on an x86_64

localhost login: root Password: [root@localhost ~]# _