



Melba Lopez
9/30/08

VMware Recovery Instructions



TABLE OF CONTENTS

1.0 Requirements	2
2.0 Sources	2
3.0 References	2
4.0 VMware Recovery CD Solution.....	2
4.1 RECOVERY CD INSTRUCTIONS.....	2
4.2 VMWARE INFRASTRUCTURE CLIENT INSTRUCTIONS	6
4.3 LICENSING INSTRUCTIONS.....	8



1.0 Requirements

User must have the following items:

- VMware Recovery CD (PN: 46D1047; FRU: 46D0762)
 - *Note: Recovery CD (PN: 44W4140) in ship-package is defective.*
- VMware Management Infrastructure CD (PN: 44W4141)
- Valid VMware License for each system you are recovering. **Contact IBM support to obtain your license number.**

2.0 Sources

The following document uses the following sources.

- Recovery CD Instructions have been taken, and may have been altered, from VMware's "Recovering the ESX Server 3i Embedded Software" online documentation, in the link provided below:
 - http://pubs.vmware.com/vi3i_e35/setup_guide/wwhelp/wwhimpl/common/html/wwhelp.htm?context=setup_guide&file=setup_backup_recover.5.6.html
- Recovery CD & Licensing Instructions have been influenced by "Manual Recovery Instruction of 7995 Mongoose VMware Preload Model" document written by IBM ISC SHENZHEN TE Jack Gu.
- Recovery CD & Licensing screenshots have been taken, and may have been altered, from "Manual Recovery Instruction of 7995 Mongoose VMware Preload Model" document written by IBM ISC SHENZHEN TE Jack Gu.

3.0 References

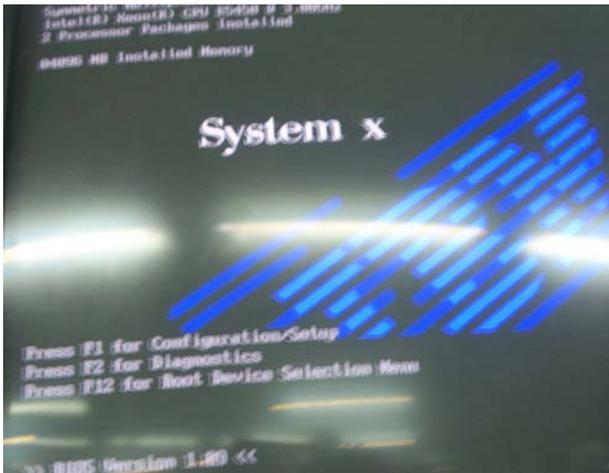
End users should reference the VMware "Basic System Administration Guide" located on the following link: http://www.vmware.com/pdf/vi3_35/esx_3/r35/vi3_35_25_admin_guide.pdf

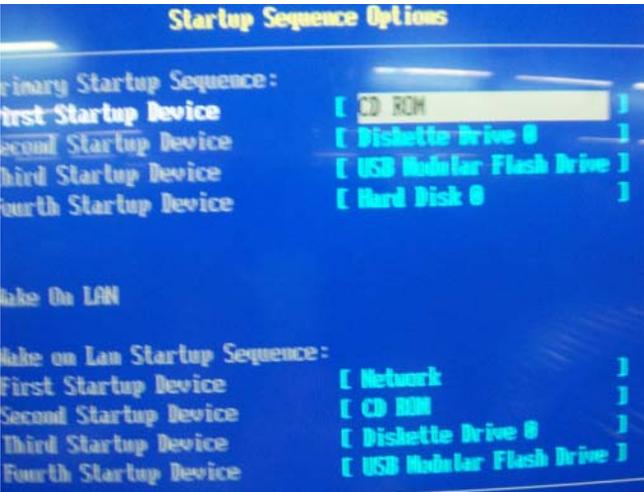
All VMware Infrastructure 3 Documentation (updated regularly) can be referenced at the following link: http://www.vmware.com/support/pubs/vi_pages/vi_pubs_35.html

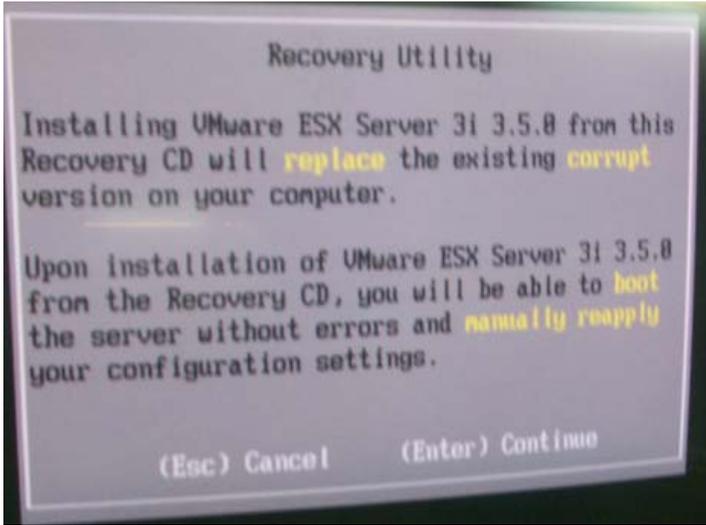
4.0 VMware Recovery CD Solution

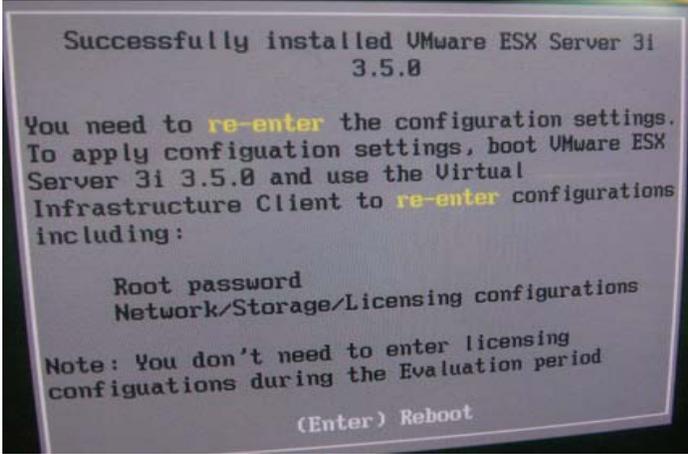
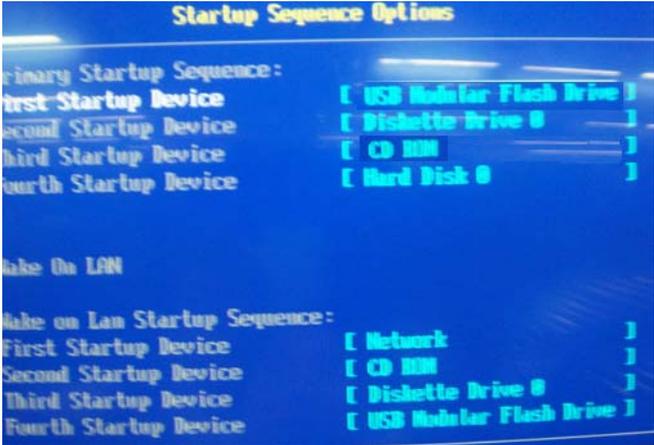
4.1 Recovery CD Instructions

Do Not Disclose to Customer: Recovery CD (PN: 44W4140) in ship-package is **defective**. If the customer does not have the new CD, or has used the old Recovery CD, they must obtain a valid Recovery CD and a valid license. To verify license information, please ask the customer to go to a functional ESX Server, Press **F2** and view **Support Information** to get the ESX Server 3i License. If the customer has **MU21M-8D3EE-06ZY4-22066-93Q41** license, then the customer must follow these instructions with the correct Recovery CD.

RECOVERY CD INSTRUCTIONS			
Step	Description	Comments	✓
1.	Verify that you have the correct VMware Recovery CD (PN: 46D1047).		<input type="checkbox"/>
2.	Insert the recovery CD into the ESX Server 3i host.		<input type="checkbox"/>
3.	Reboot the host.		<input type="checkbox"/>
4.	<p>While the host is powering on, press F1 to open the BIOS Configuration/Setup page.</p>  <p><i>Note: The option to open the BIOS Setup page might be different for your server. You might need to open the BIOS configuration screens to modify the boot setting.</i></p>		<input type="checkbox"/>

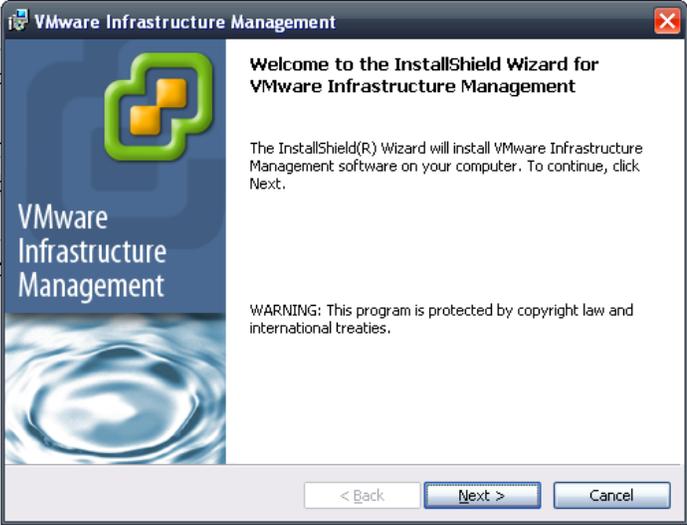
RECOVERY CD INSTRUCTIONS			
Step	Description	Comments	✓
5.	<p>Use the system BIOS to change the boot order so that the CD-ROM drive is listed first. To modify the boot sequence, select the CD-ROM drive and move it to the first position in the list.</p> 		<input type="checkbox"/>
6.	<p>As the host continues to power on, the recovery CD Welcome screen appears. Press Enter to continue through the screens.</p>		<input type="checkbox"/>
7.	<p>Verify that you see a screen that says “VMware Loading ISO.”</p>		<input type="checkbox"/>

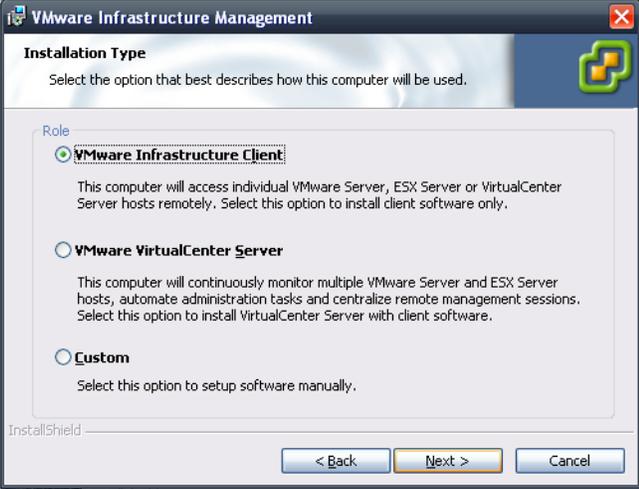
RECOVERY CD INSTRUCTIONS			
Step	Description	Comments	✓
8.	<p>Verify that after the ISO has finished loading, that you see the Recovery Utility as shown below.</p>  <p><i>Note: If you have existing VMs that reside on this ESX server, the Recovery CD will only recover the USB device and not the local hard disk. Any changed configuration settings (i.e. Password/Network) will need to be reapplied after recovery. Please refer to “Basic System Administration Guide” and/or “Getting Started with ESX Server 3i” documentation in your ship-package.</i></p>		<input type="checkbox"/>
9.	Press Enter to Continue with Recovery Process.		<input type="checkbox"/>

RECOVERY CD INSTRUCTIONS			
Step	Description	Comments	✓
10.	<p>Once the recovery process has finished successfully, verify you see the screen below.</p> 		<input type="checkbox"/>
11.	Press Enter to reboot the host.		<input type="checkbox"/>
12.	Remove the CD from the CD-ROM drive.		<input type="checkbox"/>
13.	<p>Reopen the system BIOS to change the boot order so that the USB flash is listed first.</p> 		<input type="checkbox"/>
14.	Save your settings and exit the system BIOS screen.		<input type="checkbox"/>

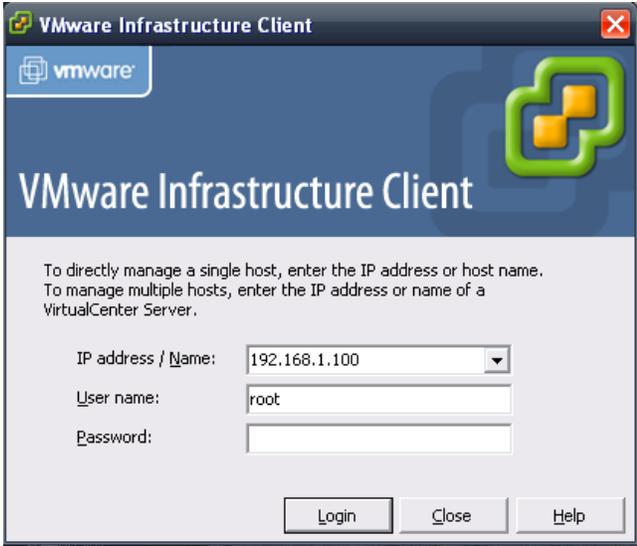
RECOVERY CD INSTRUCTIONS			
Step	Description	Comments	✓
15.	<p>Verify that the host boots into ESX Server 3i mode.</p> 		<input type="checkbox"/>
16.	<p>Record the IP Address (if valid) your ESX server shows.</p> <p>IP ADDRESS _____</p> <p><i>Note: This will enable remote access & licensing. If IP address is not valid, check network connection and/or select F2 and Configure Management Network to your appropriate settings or reference “Basic System Administration Guide” written by VMware.</i></p>		<input type="checkbox"/>
17.	<p>After you restore the host firmware, virtual machines on that host might not be listed in the host inventory. This does not mean that the virtual machines are lost or destroyed. Any virtual machines that you added to the host remain in the VMFS datastore unless you explicitly remove them.</p> <p><i>Note: For information about returning a virtual machine to the VirtualCenter inventory, see the “Basic System Administration Guide” written by VMware.</i></p>		<input type="checkbox"/>

4.2 VMware Infrastructure Client Instructions

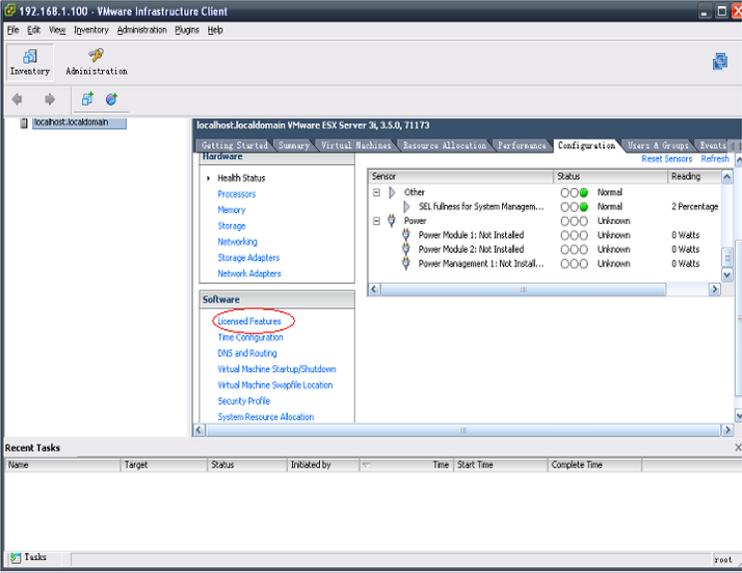
VI CLIENT INSTRUCTIONS			
Step	Description	Comments	✓
1.	Insert the VMware Infrastructure Management CD into a remote computer.		<input type="checkbox"/>
2.	Verify that the CD auto runs and you see the screen below. 		<input type="checkbox"/>
3.	Select Next to continue onto the next screen.		<input type="checkbox"/>
4.	Select “I accept the terms in the license agreement” and select Next to continue on to the next screen.		<input type="checkbox"/>
5.	Enter Username and Organization and select Next to continue on to the next screen. <i>Note: This information will not transfer to the systems you connect to. Therefore any information entered is valid, as VI Client is Free.</i>		<input type="checkbox"/>

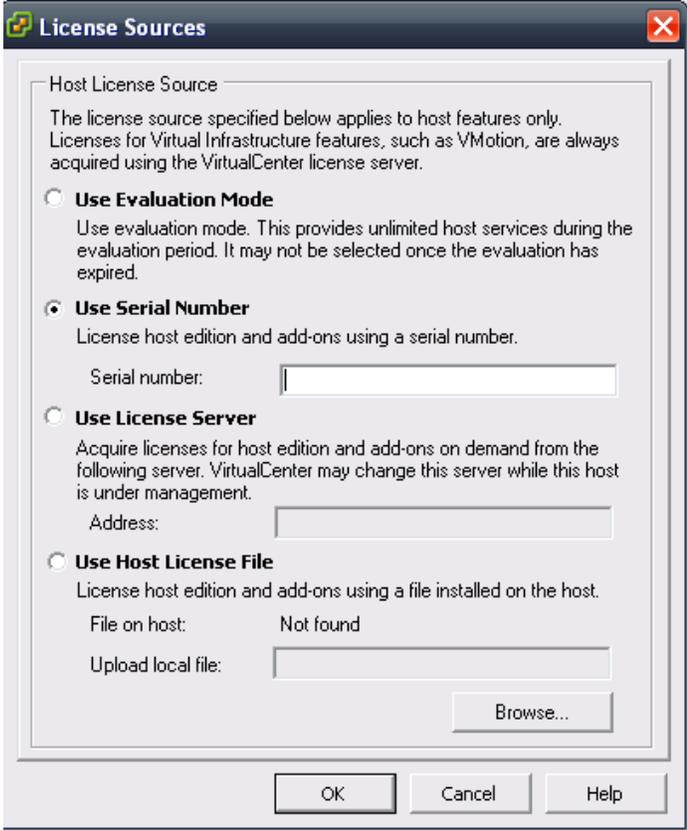
VI CLIENT INSTRUCTIONS			
Step	Description	Comments	✓
6.	<p>Verify you see the screen below. Select VMware Infrastructure Client and hit Next to continue.</p> 		<input type="checkbox"/>
7.	Select Install to initiate installation of VI Client.		<input type="checkbox"/>
8.	<p>One installation has complete, select Finish to finalize installation.</p> <p><i>Note: You only need to install VI Client once. Using VI client you can then connect to any ESX 3i Server.</i></p>		<input type="checkbox"/>

4.3 Licensing Instructions

LICENSING INSTRUCTIONS			
Step	Description	Comments	✓
1.	You must have VI Client installed in order to License your server. If you do not, please see Section 4.2 VMware Infrastructure Client Instructions		<input type="checkbox"/>
2.	Start VI Client.		<input type="checkbox"/>
3.	<p>When the screen below appears, input the following information:</p> <p>IP address: <“Recovery CD Instructions” Step 16> Username: root Password: <default is blank></p> 		<input type="checkbox"/>
4.	Select Login to continue to the next screen.		<input type="checkbox"/>
5.	If a Security Warning appears, please select Ignore .		<input type="checkbox"/>
6.	Select the Configuration Tab .		<input type="checkbox"/>

LICENSING INSTRUCTIONS

Step	Description	Comments	✓
7.	<p>Verify you see a screen like shown below. Under Software, select the Licensed Features (shown circled in red).</p> 		<input type="checkbox"/>
8.	<p>Verify you see a screen like shown below. Under License Source select Edit (shown circled in red).</p> 		<input type="checkbox"/>

LICENSING INSTRUCTIONS			
Step	Description	Comments	✓
9.	<p>The License Sources Menu should appear as shown below. Select Use Serial Number and enter in the appropriate 25 character VMware Serial Number (provided by IBM).</p> <p>Format: XXXXX-XXXXX-XXXXX-XXXXX-XXXXX</p> 		<input type="checkbox"/>
10.	<p>Select OK to finish Licensing the ESX Server and close the connection. Repeat all steps for other systems.</p> <p><i>Note: If no error occurs, you have successfully updated the license information.</i></p>		<input type="checkbox"/>
11.	<p>For end users, please see “Getting Started with ESX Server 3i” documentation in your ship-package.</p>		<input type="checkbox"/>