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# **VMware Recovery Instructions**



## TABLE OF CONTENTS

1.0 Requ	irements	2
2.0 Sourd	ces	2
3.0 Refe	rences	2
4 0 VM	um Recovery CD Solution	 2
4.0 111		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:
  - o <u>http://pubs.vmware.com/vi3i\_e35/setup\_guide/wwhelp/wwhimpl/common/html/w</u> whelp.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: <u>http://www.vmware.com/pdf/vi3\_35/esx\_3/r35/vi3\_35\_25\_admin\_guide.pdf</u>

All VMware Infrastructure 3 Documentation (updated regularly) can be referenced at the following link: <u>http://www.vmware.com/support/pubs/vi\_pages/vi\_pubs\_35.html</u>



#### 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).		
2.	Insert the recovery CD into the ESX Server 3i host.		
3.	Reboot the host.		
4.	While the host is powering on, press <b>F1</b> to open the BIOS Configuration/Setup page.		
	Andrew Andrew Bender B Annue Process F1 for Configuration/Solar Press F1 for Configuration/Solar Press F1 for Configuration/Solar Press F2 for Biagmentics Press F12 for Biagmentics Press F12 for Biagmentics		
	<i>Note:</i> 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.		



RECOVERY CD INSTRUCTIONS			
Step	Description	Comments	✓
5.	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 <b>CD-ROM</b> drive and move it to the first position in the list.		
6.	As the host continues to power on, the recovery CD Welcome screen appears. Press <b>Enter</b> to continue through the screens.		
7.	Verify that you see a screen that says <b>"VMware Loading</b> ISO."		



RECOVERY CD INSTRUCTIONS			
Step	Description	Comments	✓
8.	Verify that after the ISO has finished loading, that you see the Recovery Utility as shown below.         Installing Whare ESX Server 31 3.5.8 from this Recovery CD uill replace the existing corrupt for the Recovery CD uill replace the existing corrupt for the Recovery CD, you uill be able to host the server utbout errors and monally reapplied to the server of the server utbout errors and monally reapplied after recovery CD will only recover the USB device after recovery. Please refer to "Basic System Administration Guide" and/or "Getting Started with ESX Server 3i" documentation in your ship-package.		
9.	Press Enter to Continue with Recovery Process.		



**RECOVERY CD INSTRUCTIONS** Description Step Comments  $\checkmark$ 10. Once the recovery process has finished successfully, verify you see the screen below. Successfully installed VMware ESX Server 31 3.5.0 You need to re-enter the configuration settings. To apply configuation settings, boot VMware ESX Server 3i 3.5.0 and use the Virtual Infrastructure Client to re-enter configurations including: Network/Storage/Licensing configurations Note: You don't need to enter licensing configuations during the Evaluation period (Enter) Reboot 11. Press Enter to reboot the host. 12. **Remove the CD** from the CD-ROM drive. 13. Reopen the system BIOS to change the boot order so that the **USB** flash is listed first. **Startup Sequence Options** nary Startup Sequence: st Startup Device 1.0 oul Startup Device CD 1 hird Startup Device with Startup Device lake On LAN lake on Lan Startup Sequence: E Hetwork first Startup Device Second Startup Device Third Startup Device Fourth Startup Device CD 101 Diskette Drive 8 USB Modelar Flat 14. Save your settings and exit the system BIOS screen. 



RECOVERY CD INSTRUCTIONS			
Step	Description	Comments	✓
15.	Verify that the host boots into ESX Server 3i mode.         UMware ESX Server 3i 3.5.0 build-71173         IBM IBM eServer BladeCenter HS21 -(7995800)-         2 x Intel(R) Xeon(R) CPU E5450 @ 3.00GHz         4 CB Memory         Download tools to manage this host from:         http://192.168.11.182/ (DHCP)         (F2> Custonize System		
16.	Record the IP Address (if valid) your ESX server shows. IP ADDRESS 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.		
17.	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. <i>Note:</i> For information about returning a virtual machine to the VirtualCenter inventory, see the " <b>Basic System</b> <b>Administration Guide</b> " written by VMware.		



### 4.2 VMware Infrastructure Client Instructions

VI CLIENT INSTRUCTIONS			
Step	Description	Comments	~
1.	Insert the VMware Infrastructure Management CD into a remote computer.		
2.	Verify that the CD auto runs and you see the screen below.		
	Www.relnfrastructure Management         Cancel           Will ware Infrastructure Management         Welcome to the InstallShield Wizard for Whware Infrastructure Management           VMware Infrastructure Management software on your computer. To continue, click Next.         The InstallShield(R) Wizard will install VMware Infrastructure Management software on your computer. To continue, click Next.           WARNING: This program is protected by copyright law and international treaties.         Vext.		
3.	Select <b>Next</b> to continue onto the next screen.		
4.	Select <b>"I accept the terms in the license agreement"</b> and select <b>Next</b> to continue on to the next screen.		
5.	Enter Username and Organization and select Next to continue on to the next screen. Note: This information will not transfer to the systems you connect to. Therefore any information entered is valid, as		
	VI Client is Free.		



VI CLIENT INSTRUCTIONS			
Step	Description	Comments	✓
6.	Verify you see the screen below. Select VMware Infrastructure Client and hit Next to continue.         Infrastructure Client and hit Next to continue.         Installation Type         Select the option that best describes how this computer will be used.         Infrastructure Client         Nis computer vill access individual VMware Server, ESX Server or VirtualCenter Server hosts remotely. Select this option to install client software only.         Installation Type         Select this option to install VirtualCenter Server         This computer will continuously monitor multiple VMware Server and ESX Server hosts, automate administration tasks and centralize remote management sessions. Select this option to install VirtualCenter Server with client software.         InstallShield       Install Shield         InstallShield       Install VirtualCenter Server		
7.	Select Install to initiate installation of VI Client.		
8.	One installation has complete, select <b>Finish</b> to finalize installation.		
	<i>Note:</i> You only need to install VI Client once. Using VI client you can then connect to any ESX 3i Server.		



# 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		
2.	Start VI Client.		
3.	When the screen below appears, input the following information: IP address: < "Recovery CD Instructions" Step 16> Username: root Password: <default blank="" is=""></default>		
	Login <u>C</u> lose <u>H</u> elp		
4.	Select <b>Login</b> to continue to the next screen.		
5.	If a Security Warning appears, please select Ignore.		
6.	Select the <b>Configuration Tab</b> .		



LICENSING INSTRUCTIONS			
Step	Description	Comments	~
7.	Verify you see a screen like shown below. Under         Software, select the Licensed Features (shown circled in red).         Image: the state of the state		
8.	Verify you see a screen like shown below. Under License Source select Edit (shown circled in red).         Image: the status of		



LICENSING INSTRUCTIONS			
Step	Description	Comments	$\checkmark$
Step 9.	Description 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). Format: XXXXX-XXXXX-XXXXX-XXXXX-XXXXX           Format: XXXXX-XXXXX-XXXXX-XXXXX         Icense Source         Host License Source         The license source specified below applies to host features only.         Licenses for Vitual Infrastructure features, such as VMotion, are always acquired using the VitualCenter license server.         Use Evaluation Mode         Use evaluation mode. This provides unlimited host services during the evaluation period. It may not be selected once the evaluation has expired.         Use Evaluation Mode         Licenses for Nots edition and add-ons using a serial number.         Serial number:         Cuite Incense Server         Acquire licenses for host edition and add-ons on demand from the following server. VitualCenter may change this server while this host is under management.         Address:         Cuse Host License File         License host edition and add-ons using a file installed on the host.         File on host       Not found         Upload local file:       Browse         OK       Cancel       Help	Comments	
10.	Select <b>OK</b> to finish Licensing the ESX Server and close the connection. Repeat all steps for other systems. <i>Note:</i> If no error occurs, you have successfully updated the license information.		
11.	For end users, please see "Getting Started with ESX Server 3i" documentation in your ship-package.		