

Install iChain 2.0 in VMWare 3.0/3.1

This is a description how the installation worked for me. Also there are some Novell TIDs around about installation issues of iChain 2.0 in common. I was told that you can also copy the missing HAM driver to your DOS-Partition after the first installation step.

You can use this document also as a reference to install iChain on unsupported hardware. F.e. with a 3Com 3C90x the unattend installation will stuck asking for the driver 3C90x or 3C90xC.

- Boot from CDROM
- Accept License agreement

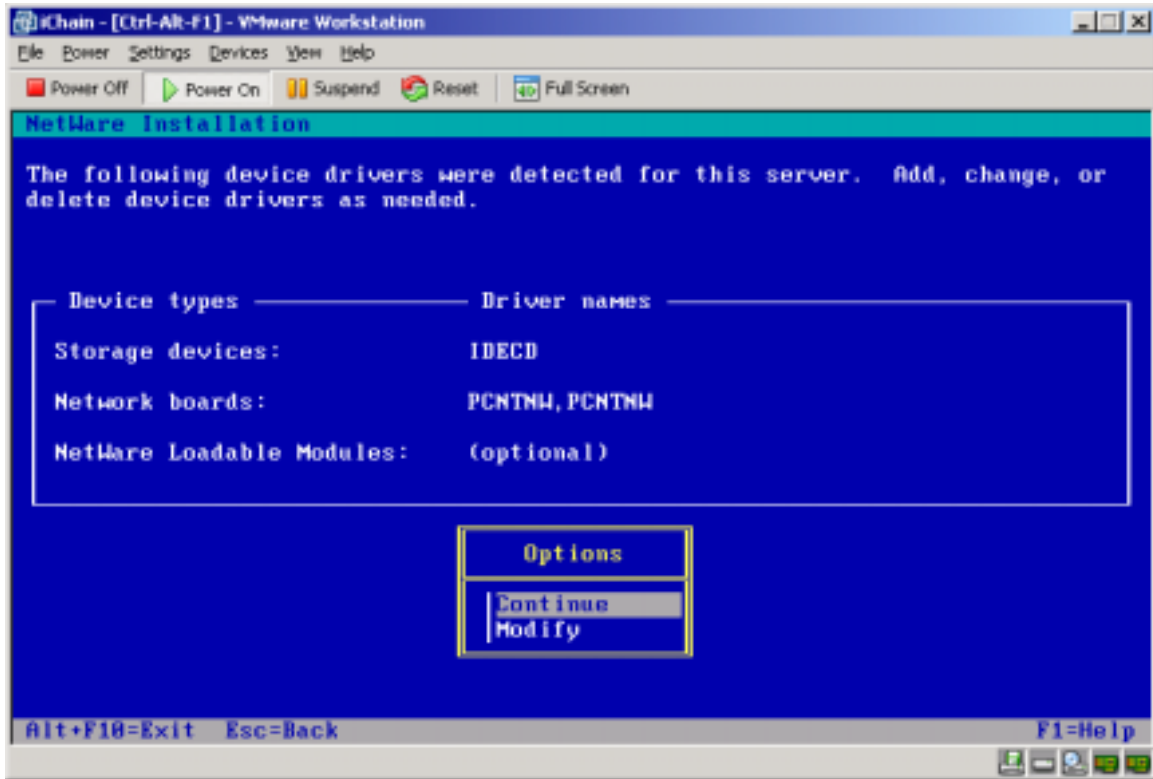
You will get the error message "Invalid ICS box" and exit to d:\image

- Type blast to start installation

First part of the installation (restore of DOS-Partition) will run successful ICS will reboot and stuck on "Loading system services"

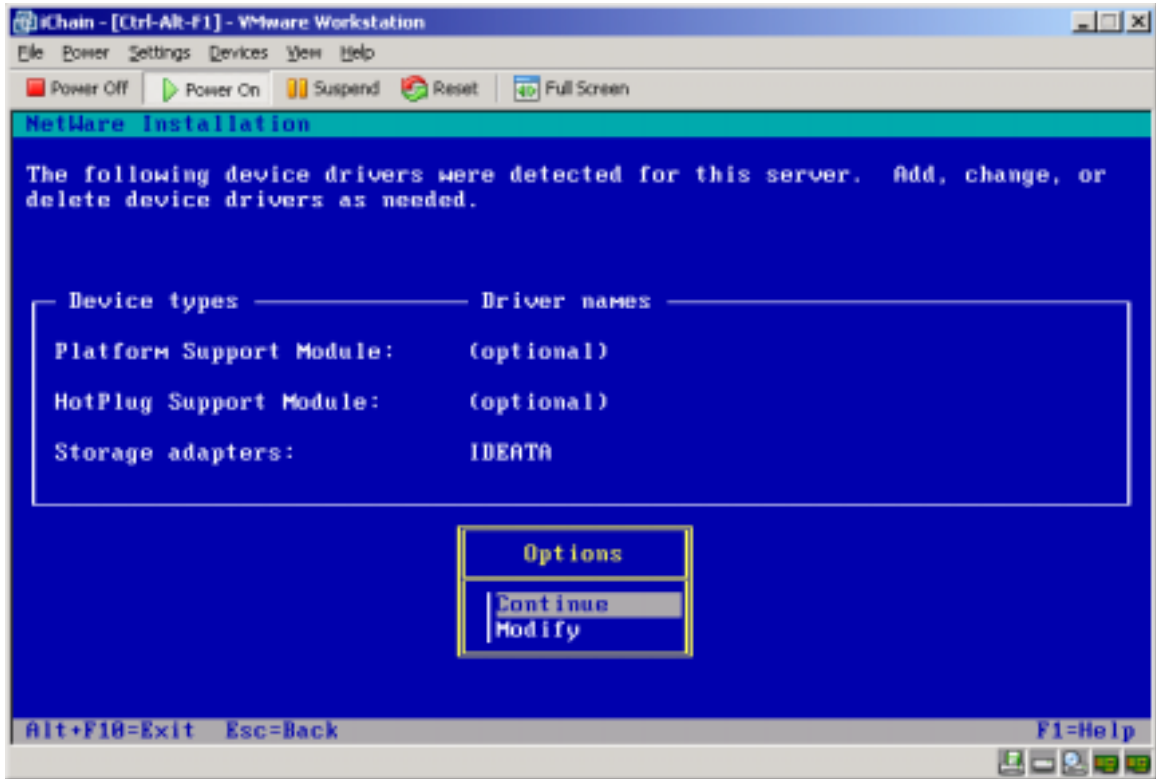
This is the way how to unlock the console screen while doing the installation. After the installation is finished we use the debug password of iChain to unlock the console.

- Unlock the console screen:
 - Switch to Debugger (Shift+Shift+ALT+ESC)
 - Type c AppScreenLock <enter>
 - Type 00 <enter>
 - Type . <enter>
 - Type c [DICSScreen]+28
 - Type 00 <enter>
 - Type . <enter>
 - Type g <enter>
 - You will be back to the Load screen. Use ALT+ESC to switch to the install screen



As you might see, there are no HD-CDM-drivers. The reason is that the Host Adapter is not automatically detected.

- Press ESC to go back one step (sometimes not easy in VMWare, it will always accept each keystroke twice)

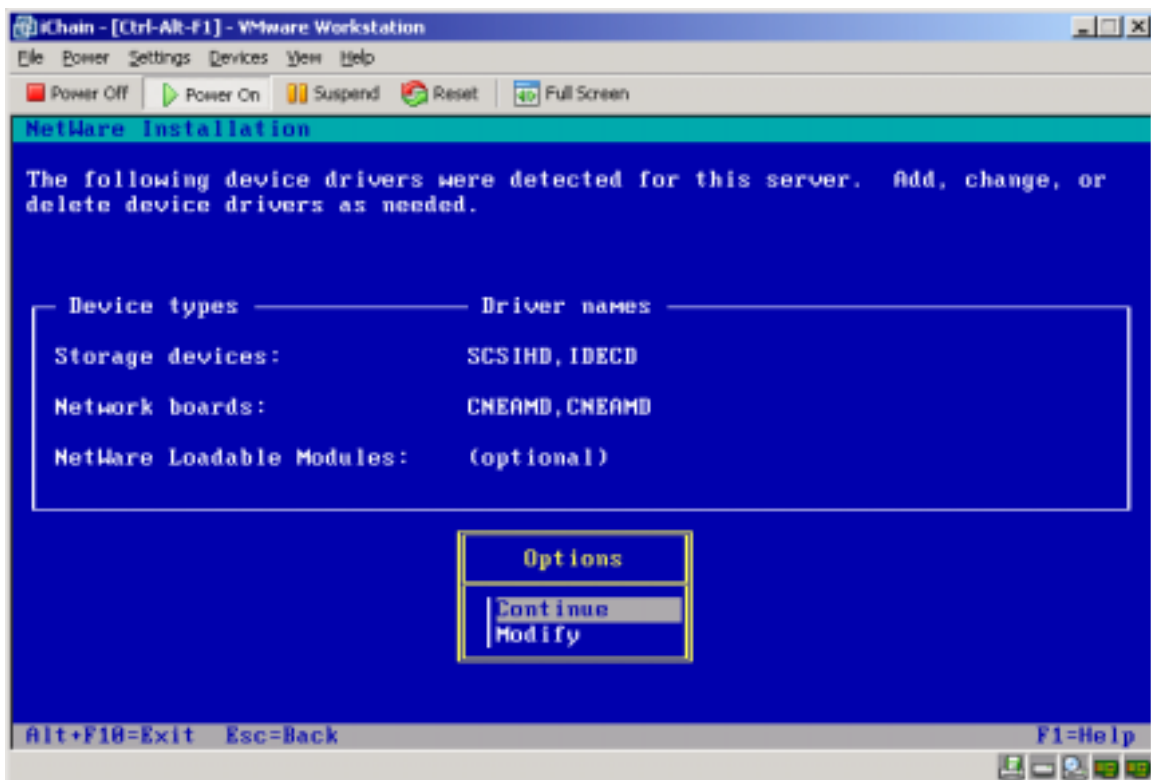


- Add SCSI Storage Adapter
 - Select modify
 - Select Storage adapters
 - Press <Enter> to modify configuration
 - Press INS to add additional driver
 - Press INS to add a not-listed driver
 - Insert Driver Disk in A and press <Enter>
 - Select the BLMM3.HAM Mylex MultiMaster SCSI Host Bus Adapters
 - Accept Slot 2
 - Press <Enter> to continue installation

 - Verify that the Storage Devices SCSIHD.CDM and IDECD.CDM detected

- Add LAN Adapter
 - Select modify
 - Select Network boards

- Press <Enter> to modify configuration (the installation detects PCNTNW.LAN which works also fine, but VMWare supports the CNEAMD.LAN)
- Delete the existing drivers
- Press INS to add additional driver
- Press INS to add a not-listed driver
- Insert Driver Disk in A and press <Enter>
- Select the CNEAMD.LAN – Novell Ethernet PCnetPCI, PCnetPCI_II, PCnet-Fast
- Configure Slot 3
- Repeat steps for 2. network board and configure Slot 4
- Return to driver summary



- Continue installation
- Installation will finish without any additional interaction.

Before you can configure IP Addresses you have to overcome a NetWare-related Problem running VMWare in bridged mode: duplicate IP Addresses

- Unlock console with the command “unlock” and no password
- Enable debug mode with the command “debug” and the password “cr0wmt 911” (yes, it is a zero and there is a space before 911)
- Switch to the Console Screen (hit enter once to get a command prompt)
- Start nwconfig
 - Edit c:\nwserver\startup.ncf
 - Insert as the second line “SET ALLOW IP ADDRESS
DUPLICATES = ON”
 - Reboot ICS (or set the same parameter on the console screen)

You will see Warnings in the logger screen – don’t care about them. NetWare will discover the same IP Address on the outside interface of your VMWare Host OS, which has a different MAC Address. Therefore NetWare assumes there is another server running with the same IP Address and as we know NetWare will not bind an IP-Address in this case, but it is only himself. You don’t have this problem running VMWare in host-only mode.

Install iChain 2.1 in VMWare

The VMWare drivers are known by iChain 2.1 and the installation will run without any problems. Still you have to enable IP Address Duplication. As mentioned earlier, this is a general Problem of running NetWare in VMWare bridged mode.