

Installation Guide

C-MOR Video Surveillance on VMware ESX Server



This guideline illustrates the installation of the C-MOR Video Surveillance Virtual Machine on VMware ESX Server. This manual applies to C-MOR version 4 with 64 bit operating system.

You are able to download VMware on <http://www.vmware.com> but you must register first. VMware is only for personal use as a free download available.

Also you need the C-MOR ISO file. This file you will find following this link: <http://www.c-mor.com/video-surveillance-download>.

C-MOR Video Surveillance Software Downloads	
C-MOR Video Surveillance VM Manual Setup c-mor-video-surveillance-v4-12pl09.zip	Details Download
C-MOR Video Surveillance VirtualBox c-mor-video-surveillance-virtualbox-en-v4-12pl09.zip	Details Download
C-MOR Video Surveillance VMware ESX c-mor-video-surveillance-v4-12pl09-esx-template.zip	Details Download
C-MOR Video Surveillance Xen Server c-mor-video-surveillance-v4-11pl08-xen.zip	Details Download

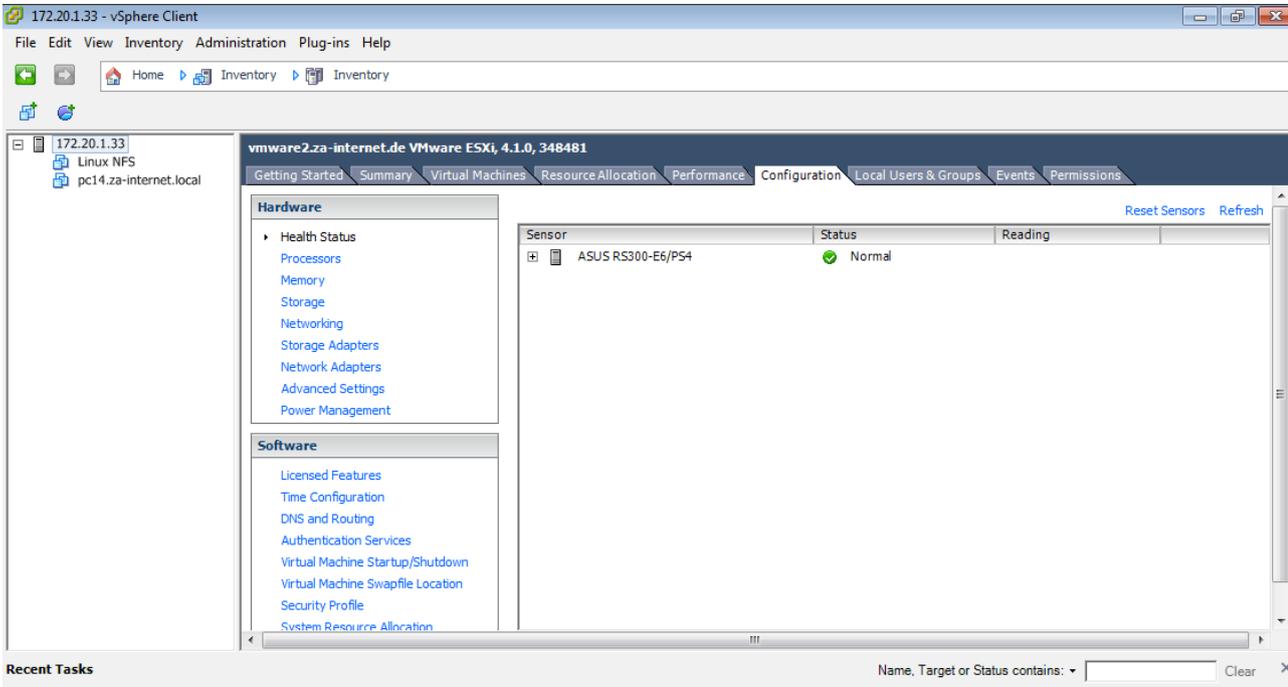
Login as root to your VMware ESX Server, please start the vSphere Client:

<http://www.c-mor.com>, C-MOR VM on VMware ESX

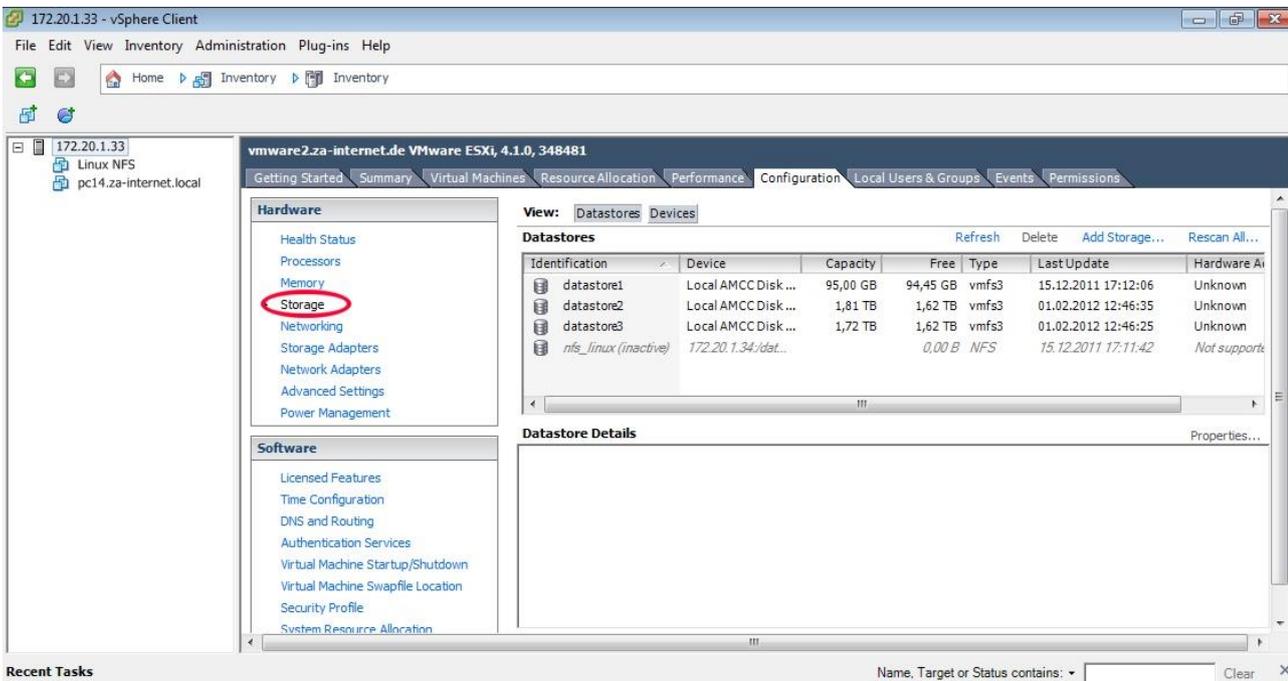




Select Configuration in the vSphere Client:

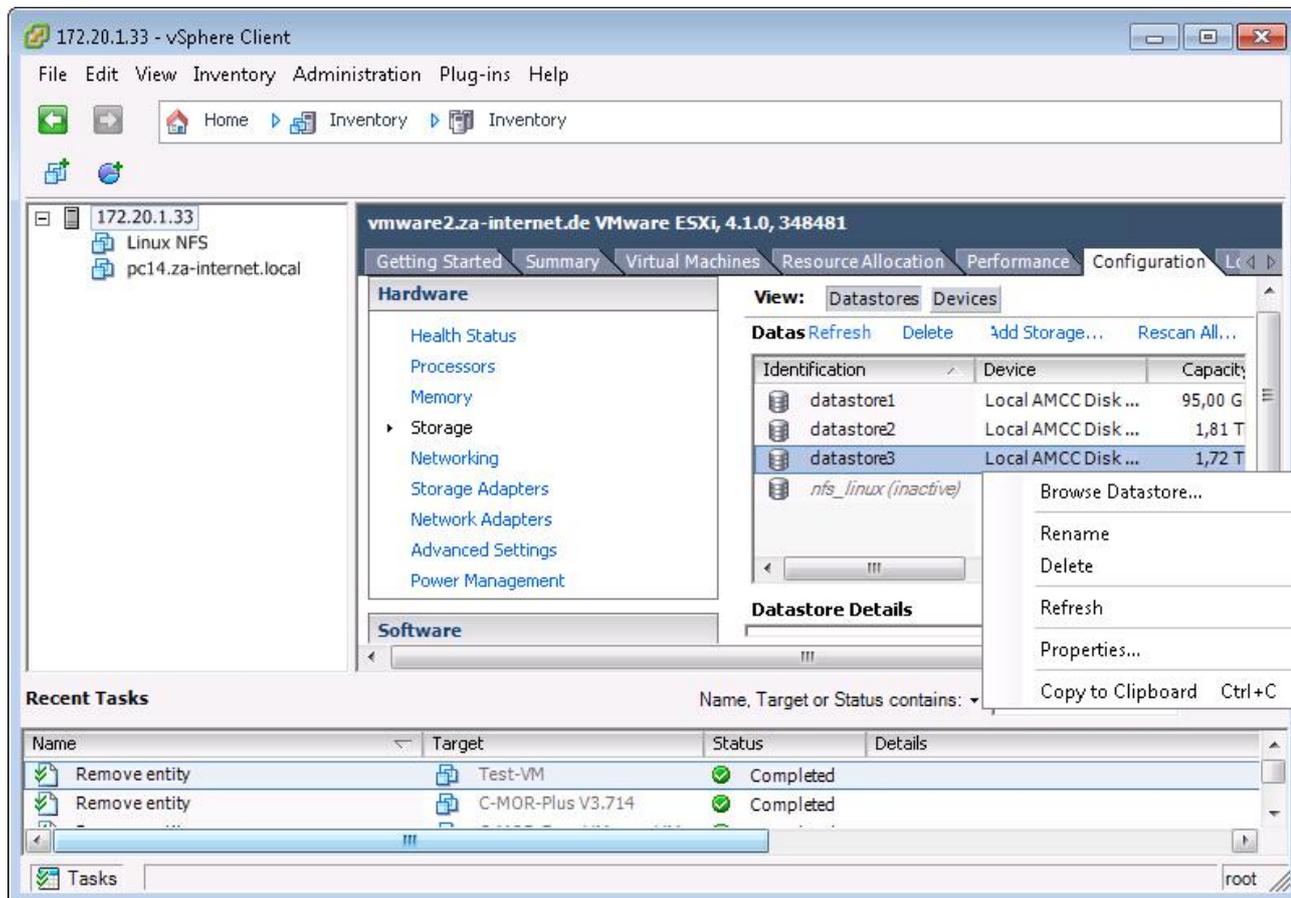


Select "Storage" from the Hardware menu.



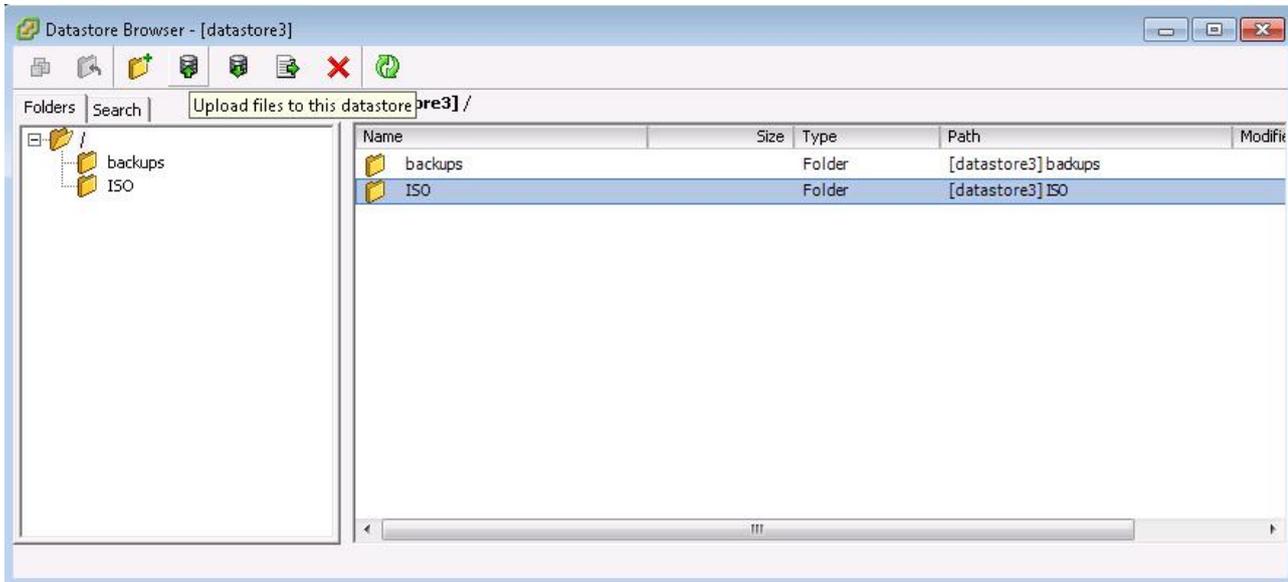


Select the datastore where you upload ISO files and browse it with the right mouse button. The context menu will open, please select “Browse Datastore...”:



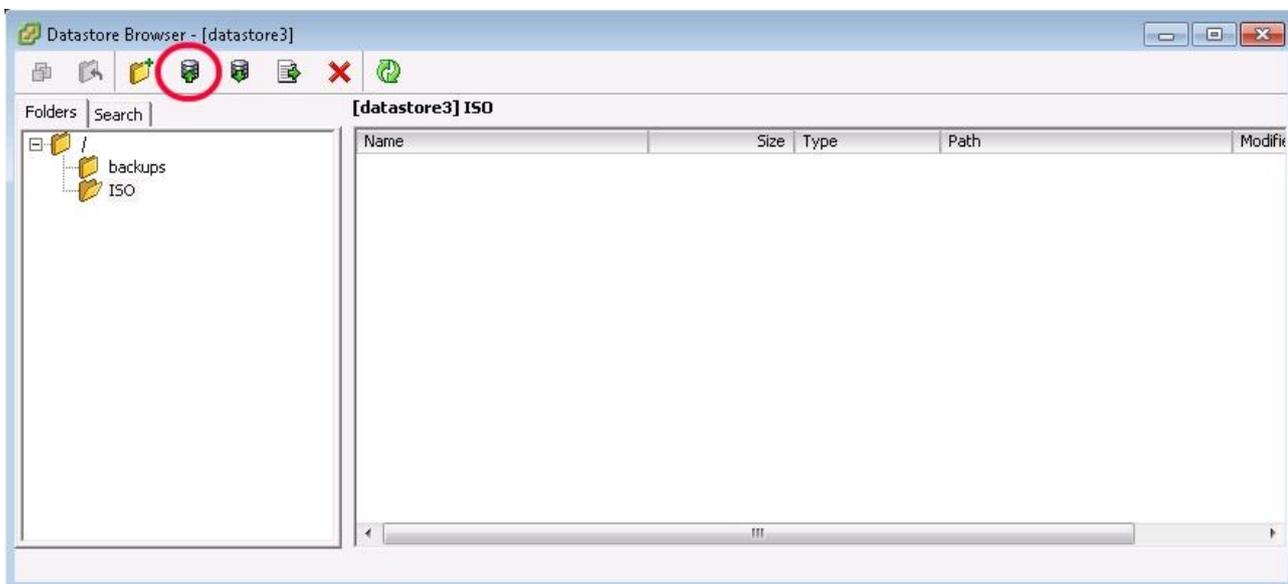


Select the folder in the selected datastore where you want to upload the C-MOR ISO file:



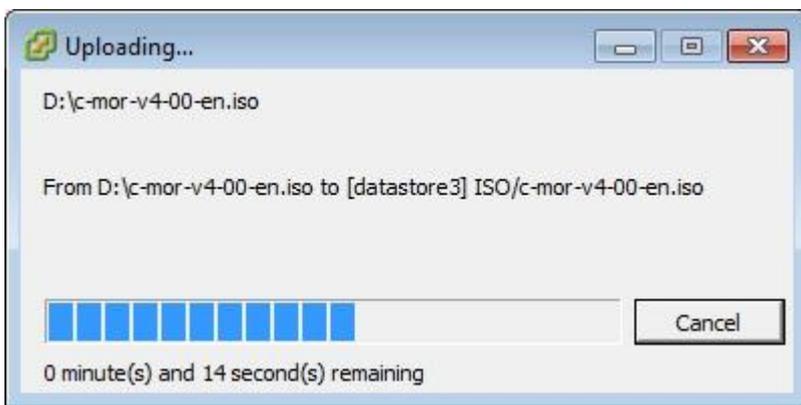
Open it. In this example the folder is called “ISO”.

Click on the upload button and select the C-MOR ISO file in the next step:

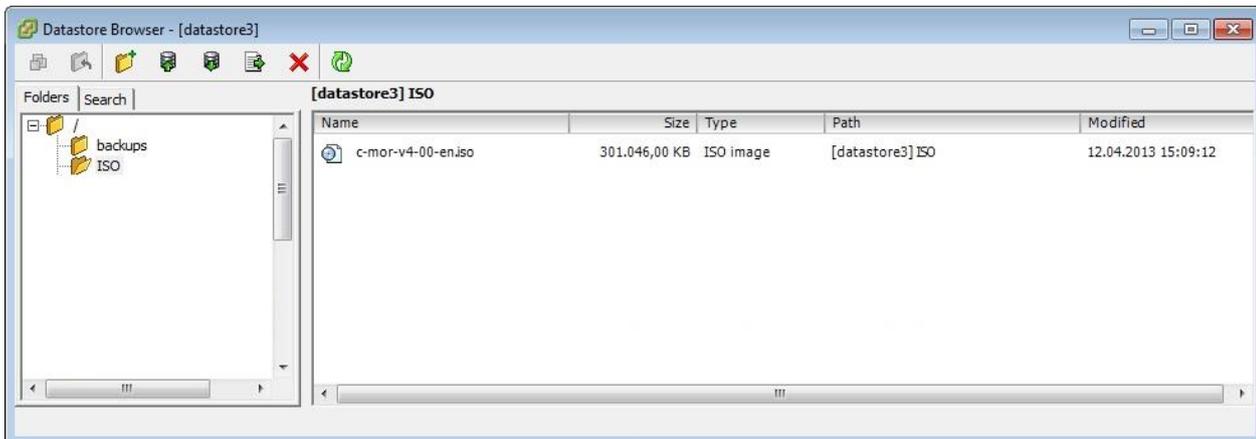




The upload of the ISO file starts after selecting the file and clicking “open”:

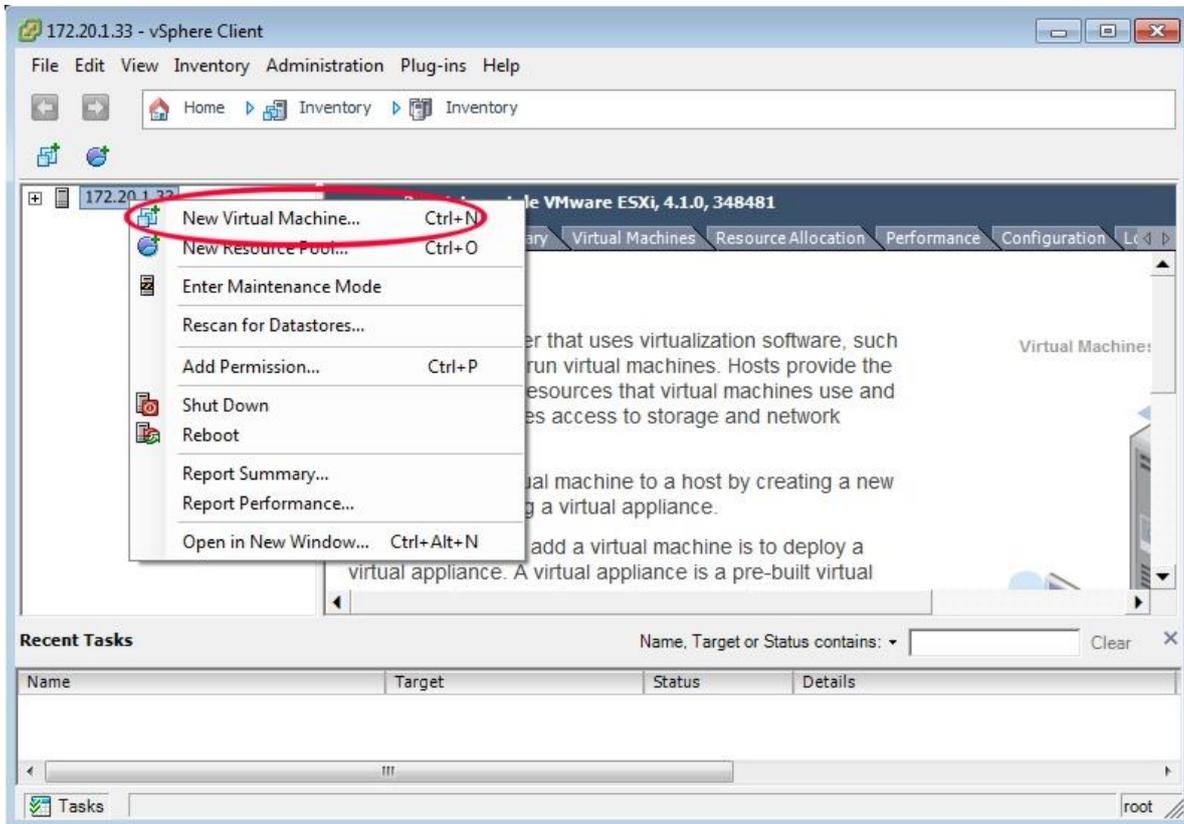


Verify the successful upload:



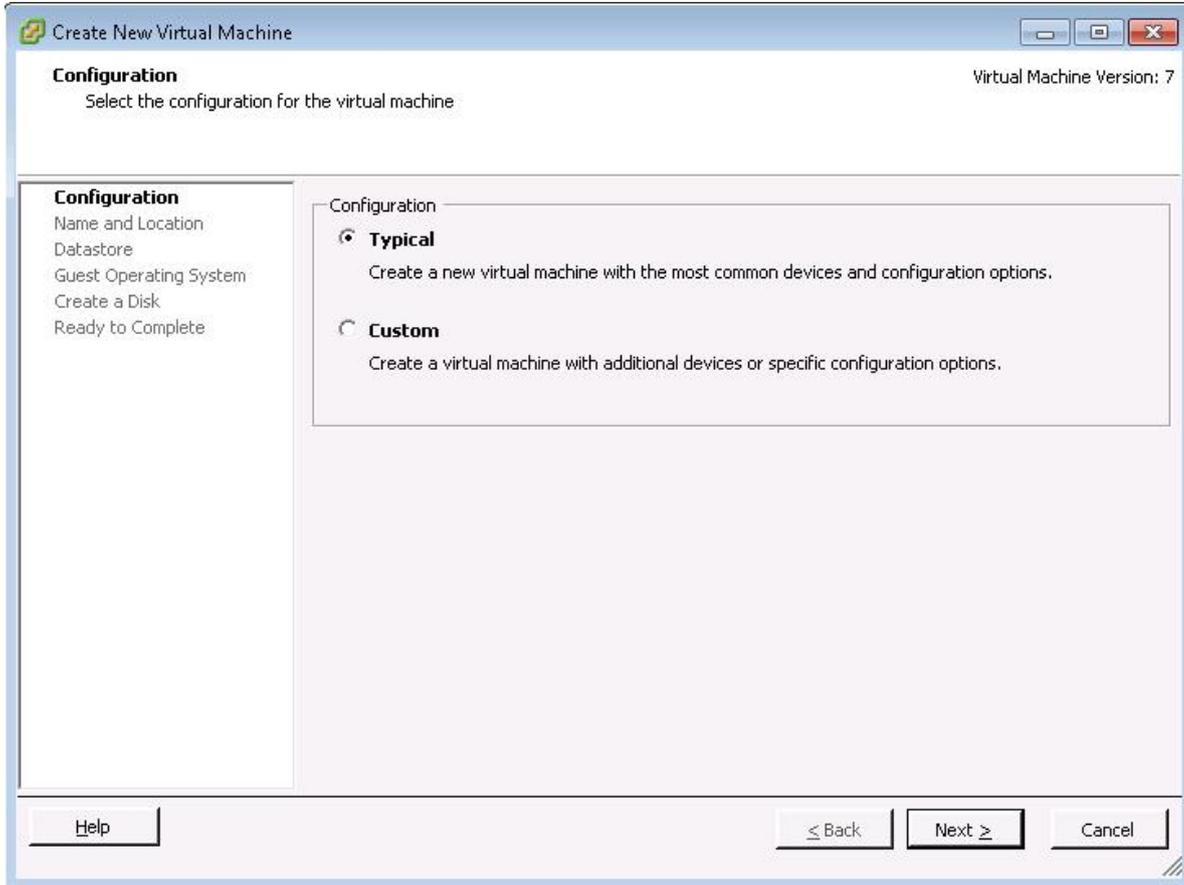


Close the datastore browser and create a new virtual machine in the vSphere Client by right clicking on the server and selecting “New Virtual Machine”:



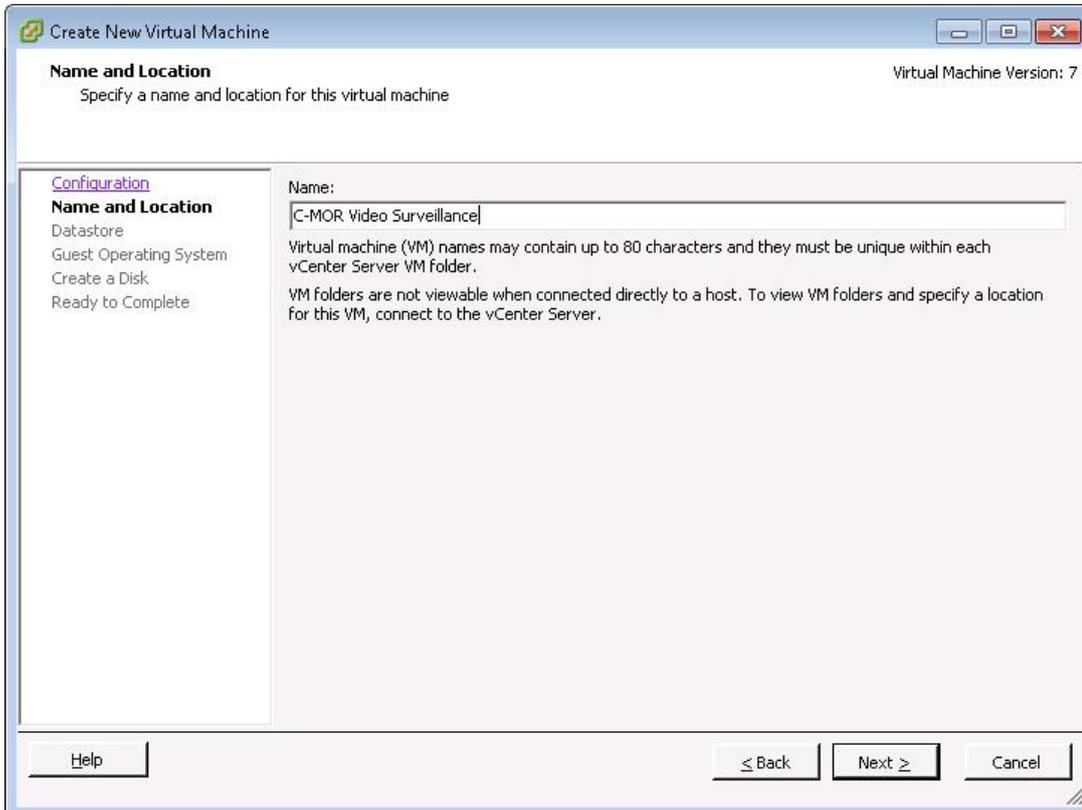


The dialog for setting up a new virtual machine is starting:

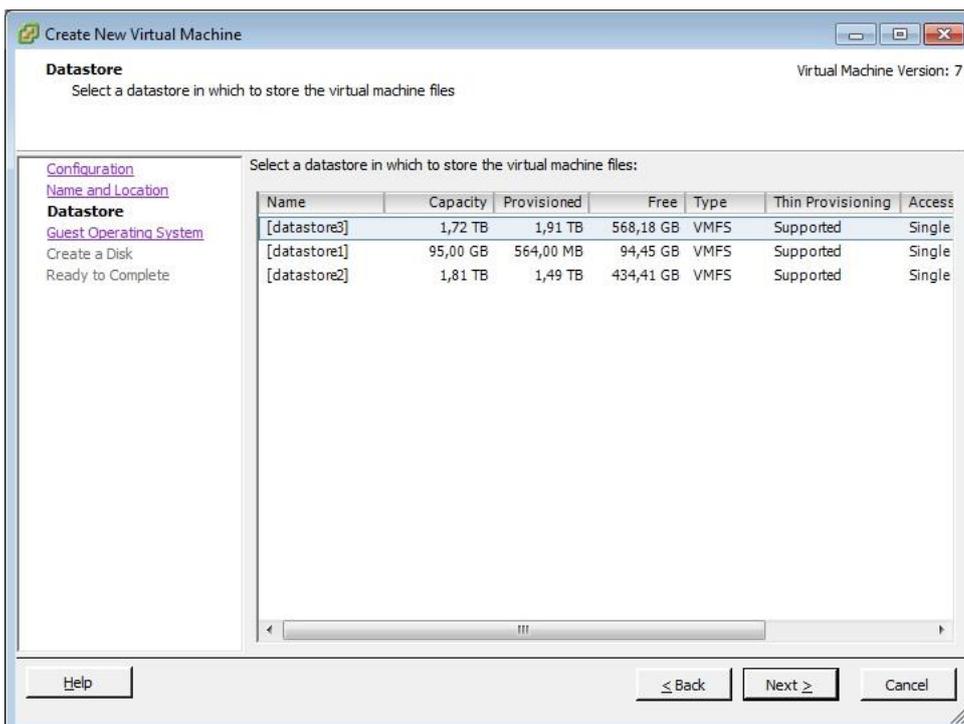




Select a useful name, in example “C-MOR Video Surveillance”:

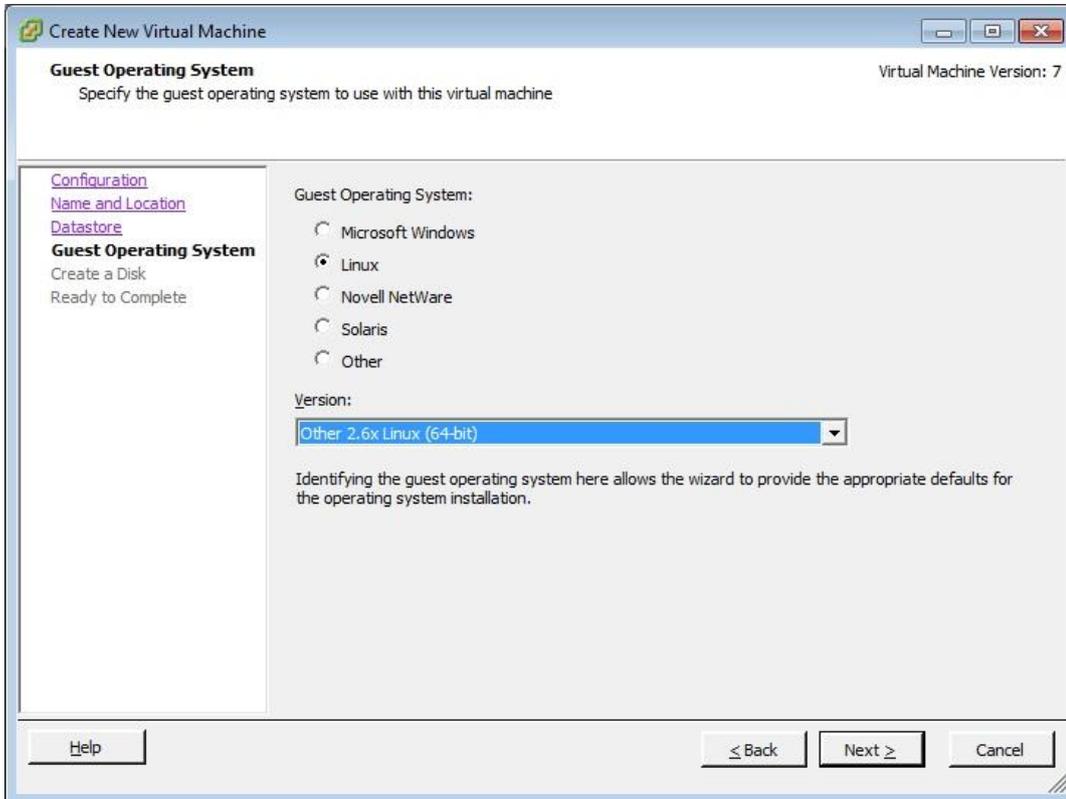


Select the datastore where to create the virtual machine:



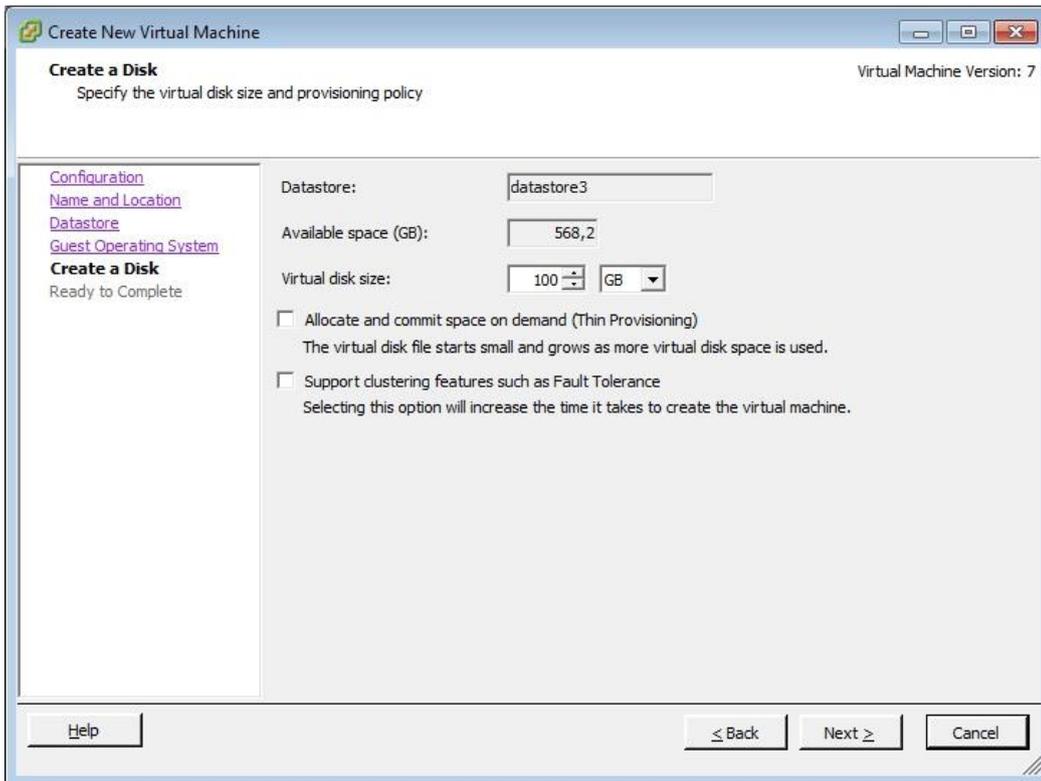


Select the operating system “Other 2.6x Linux (64-bit):





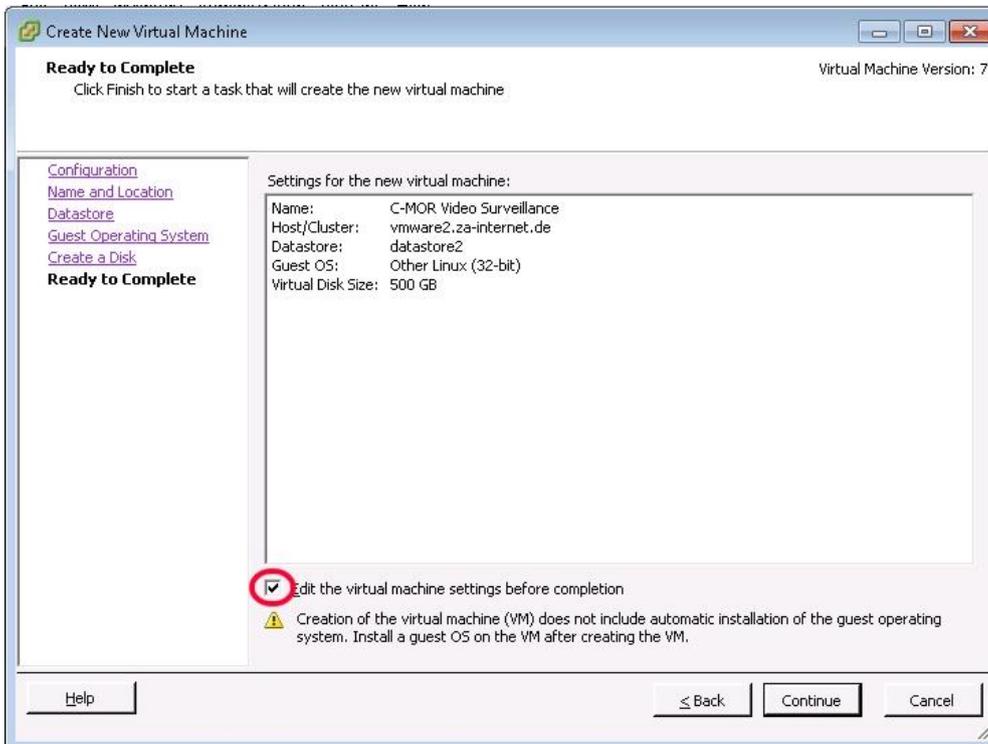
To install the operating system the virtual machine feature space. Now you are able to choose the space you need. **Attention!** The space limit of C-MOR is 2TB! Now you have to decide for a virtual disk space. If you want to do the installation automatically it isn't necessary to remember the space later. But if you want to do your own partitioning you have to remember the space you choose for the installation later.



Also, the configured disk space can't be extended later. Make sure you set a good value to avoid starting over with the installation!

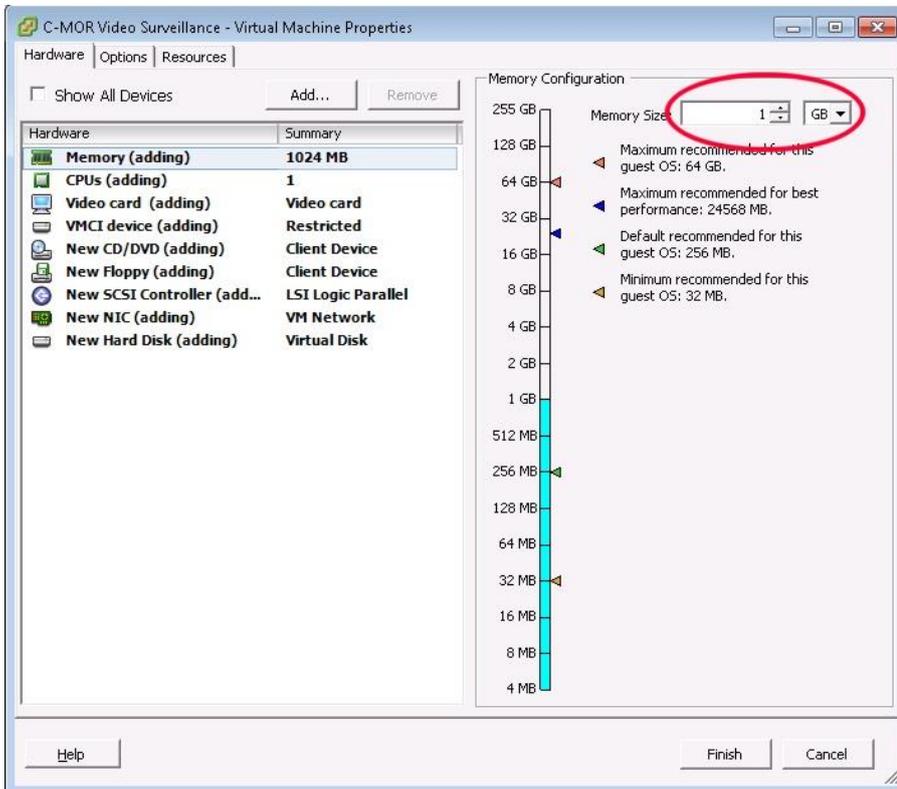


Select “Edit the virtual machine settings before completion” before you hit “Continue”. Some settings have to be made prior the installation self-starts:



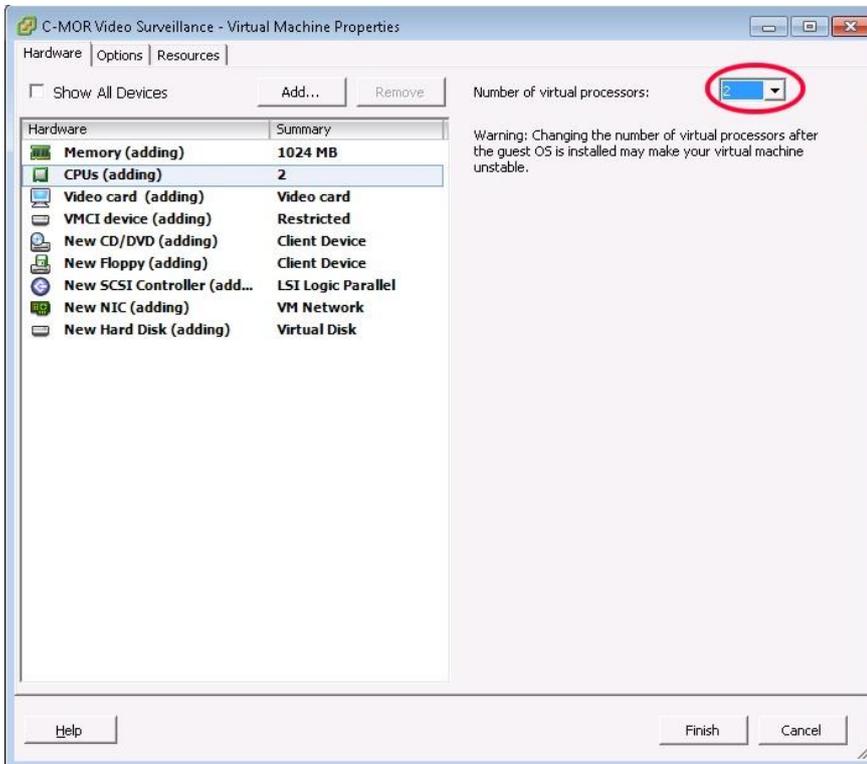


Change the memory (RAM) up to 1GB for a C-MOR3 or C-MOR6, 9, or 2GB for a C-MOR15 virtual machine:



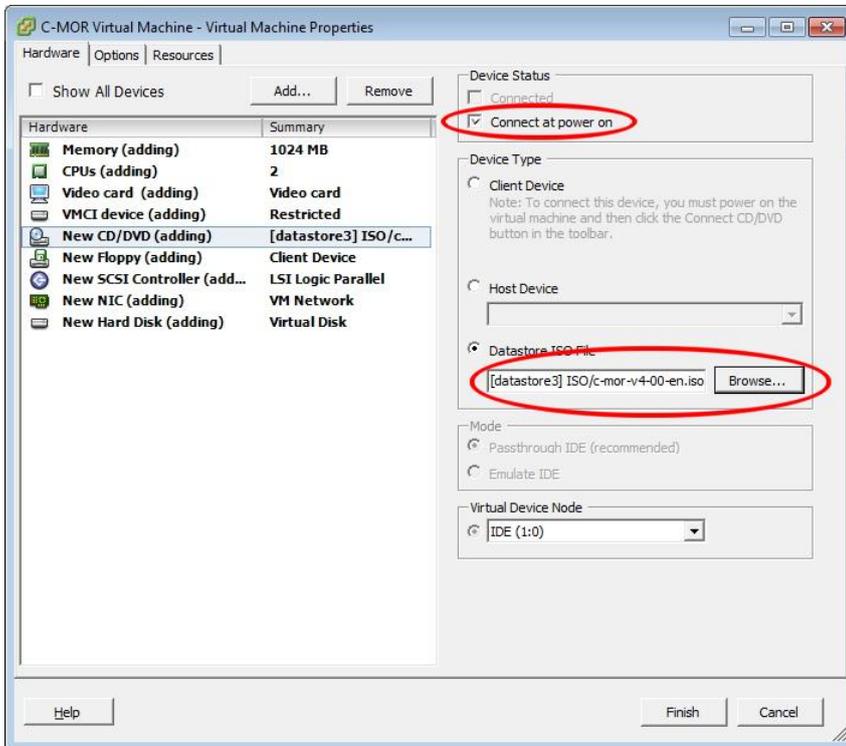


Also raise the number of CPUs to 2 CPUs for a C-MOR with up to 6 cameras, and 4 for a C-MOR with more cameras. This can be optimized later if performance issues occur:



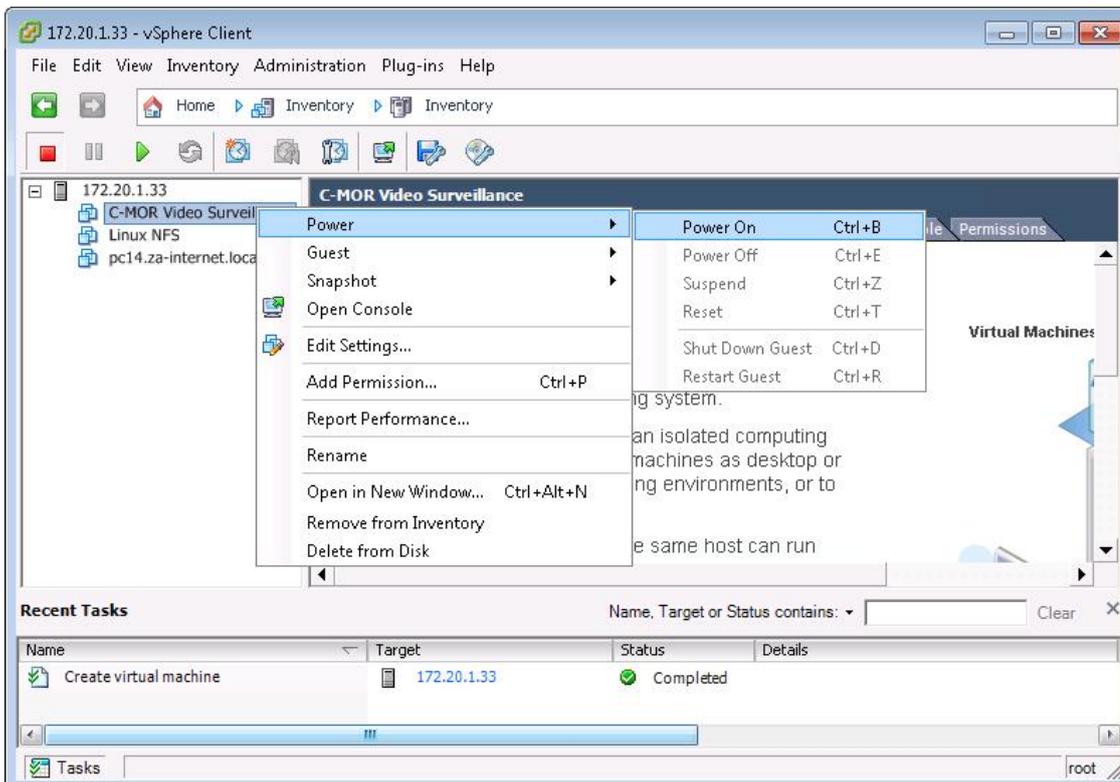


Select the uploaded ISO file as CDROM/DVD. Make sure the check mark “Connect at power on” is set. With this setting the virtual machine which was created boots from this CDROM ISO file.





Click ok, all settings are made. You get back to the vSphere Client. Start the new virtual machine now (power it on) by clicking with the right mouse button on the new VM:



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Click on the console icon to see the boot progress.

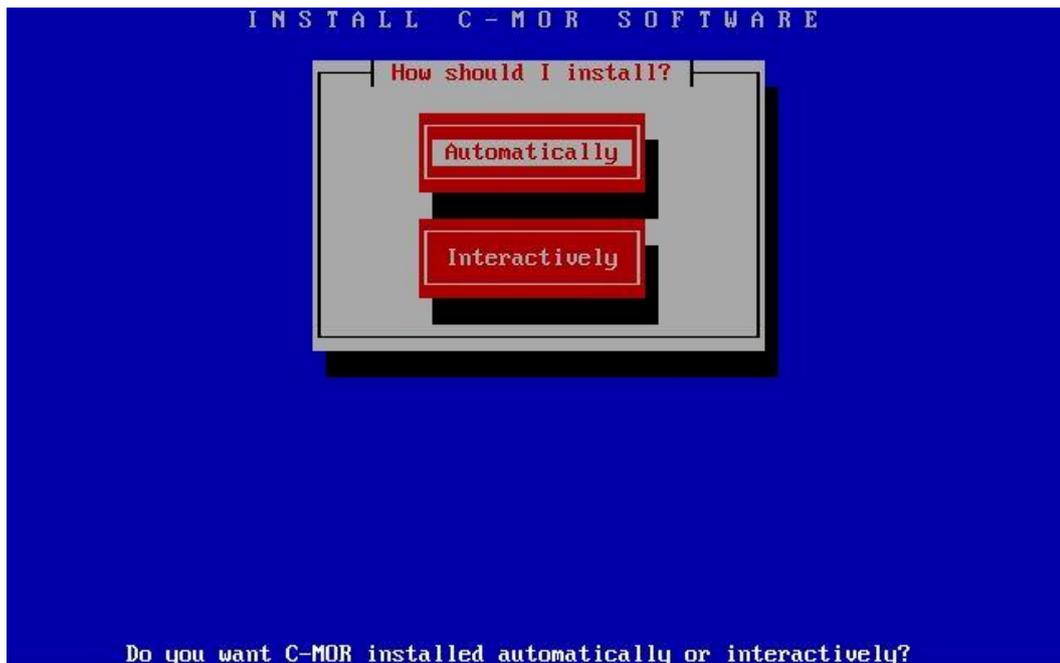


```
ISOLINUX 4.02 debian-20101014 ETCD Copyright (C) 1994-2010 H. Peter Anvin et al  
  
Press <enter> to start the C-MOR installation.  
  
boot: _
```



After this you have the possibility to install C-MOR „Automatically“ or „Interactively“. Please choose „Automatically“ to install a default hard drive partitioning.

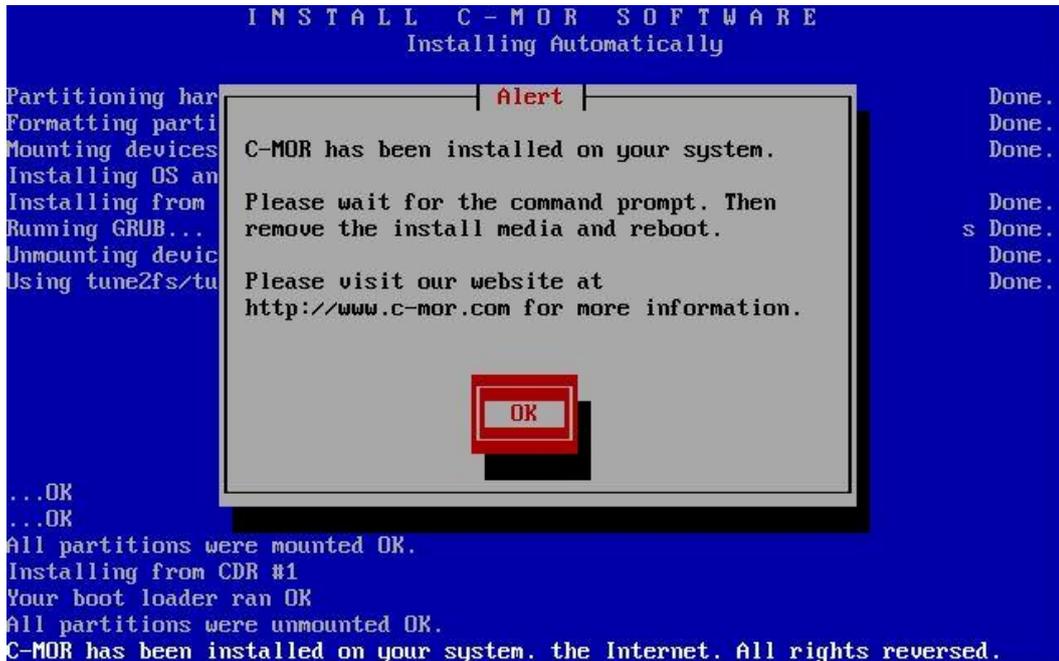
If you want to install C-MOR with your own partition, you have to change now the manual. From this step you should use the documentary <http://www.c-mor.com/pdf/c-mor-expert-installation.pdf>.



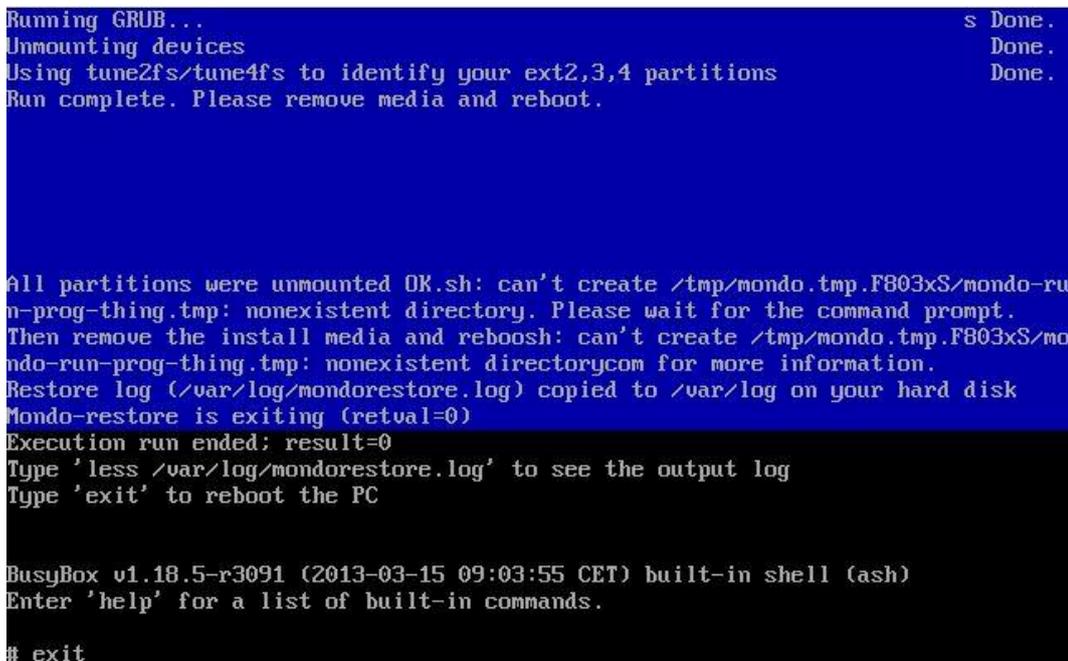
You can see the progress of the installation:



Your C-MOR Virtual Machine is finished now! Press enter to finish the installation.



After this, you will see following screen. Please type „exit“ and press enter.





Now C-MOR will boot and restart once for initial settings! After you see C-MORs standard configuration. Now you are able to change the network information by selecting „2“.

```
GNU GRUB version 1.98+20100804-14+squeeze1

Starting C-MOR Video Surveillance...

Use the ↑ and → keys to select which entry is highlighted.
Press enter to boot the selected OS, 'e' to edit the commands
before booting or 'c' for a command-line.

The highlighted entry will be executed automatically in 4s.
```

```
C-MOR Console Menu:
=====

=====

The current Network Settings of this C-MOR are:

IP Address:      192.168.1.2      Network Mask: 255.255.255.0
Gateway:        192.168.1.1      DNS1: 8.8.8.8   DNS2: 172.20.1.1

MAC Address:     00:15:5d:01:b2:22
=====

1. Print Interface Settings
2. Change IP Settings
3. Reboot C-MOR
4. Shutdown C-MOR
5. Reset Network Settings and Reboot
6. Set Default Language

Menu selection:
```



You are able to insert your desired IP address. Before you can change the C-MOR installer will ask you for the administrator password. The standard password is „admin“.

```
1. Print Interface Settings
2. Change IP Settings
3. Reboot C-MOR
4. Shutdown C-MOR
5. Reset Network Settings and Reboot
6. Set Default Language
```

```
Menu selection: 2
```

```
Enter the C-MOR admin password:
```

```
Menu 2 selected
```

```
Enter new IP address (no validation check): 172.20.1.234
```

```
Enter new netmask (use 255.0.0.0 if not sure): 255.255.255.0
```

```
Enter new gateway address (no validation check): 172.20.1.1
```

```
=====
The Name Servers are set to: 8.8.8.8, 172.20.1.1.
```

```
Do you want to change the Name Servers? This is optionally! (y/N) y_
```

```
Enter new netmask (use 255.0.0.0 if not sure): 255.255.255.0
```

```
Enter new gateway address (no validation check): 172.20.1.1
```

```
=====
The Name Servers are set to: 8.8.8.8, 172.20.1.1.
```

```
Do you want to change the Name Servers? This is optionally! (y/N) y
```

```
Enter first DNS Server
(use 8.8.8.8 if not sure): 8.8.8.8
```

```
Enter second DNS Server
(use 8.8.4.4 if not sure): 172.20.1.1
```

```
=====
New IP address: 172.20.1.234
New Netmask: 255.255.255.0
New Gateway: 172.20.1.1
New DNS Server 1: 8.8.8.8
New DNS Server 2: 172.20.1.1
```

```
Is this correct? (y/N) y_
```



If you have insert your new network information right, you will see them on the console:

```
C-MOR Console Menu:
=====

-----

The current Network Settings of this C-MOR are:

IP Address:      172.20.1.234      Network Mask: 255.255.255.0
Gateway:        172.20.1.1        DNS1: 8.8.8.8   DNS2: 172.20.1.1

MAC Address:     00:15:5d:01:b2:22
=====

1. Print Interface Settings
2. Change IP Settings
3. Reboot C-MOR
4. Shutdown C-MOR
5. Reset Network Settings and Reboot
6. Set Default Language

Menu selection:
```

Now you can work with the web-browser, just enter your desired ip-address to open the C-MOR surface, in our case we have to insert <http://172.20.1.234>. Your Login is „admin“ and your password is „admin“. It appears a disclaimer which you have to accept to use C-MOR:

Disclaimer

1- Limitation of Liability. NOTWITHSTANDING ANYTHING ELSE IN THIS AGREEMENT OR OTHERWISE, C-MOR WILL IN NO EVENT BE LIABLE WITH RESPECT TO ANY SUBJECT MATTER UNDER ANY CONTRACT, NEGLIGENCE, STRICT LIABILITY OR OTHER LEGAL, CONTRACTUAL OR EQUITABLE THEORY FOR: (I) ANY INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, HOWEVER CAUSED AND WHETHER OR NOT ADVISED IN ADVANCE OF THE POSSIBILITY OF SUCH DAMAGES; OR (II) DAMAGES FOR LOST PROFITS OR LOST DATA; OR (III) COST OF PROCUREMENT OF SUBSTITUTE GOODS, TECHNOLOGY OR SERVICES. NOTWITHSTANDING ANYTHING IN THIS AGREEMENT TO THE CONTRARY OR THE FAILURE OF ESSENTIAL PURPOSE OF ANY LIMITATION OF LIABILITY OR LIMITED REMEDY, C-MOR'S ENTIRE AGGREGATE LIABILITY ARISING FROM OR RELATING TO THIS AGREEMENT OR THE SUBJECT MATTER HEREOF, UNDER ANY LEGAL THEORY, WHETHER IN CONTRACT, TORT, INDEMNITY OR OTHERWISE, SHALL BE LIMITED TO THE AMOUNTS RECEIVED BY C-MOR UNDER THIS AGREEMENT WITH RESPECT TO THE PARTICULAR TRANSACTION GIVING RISE TO THE CLAIM REDUCED BY 1/24 OF THE PRICE PAID BY RESELLER FOR EACH MONTH SUCH APPLICABLE END USER HAS HAD THE PRODUCT.

2- C-MOR does not warrant that the use or operation of this product will be error free, nor does it warrant that any data stored on the product will remain accessible or uncorrupted. To protect against accidental data loss, back up your data frequently to multiple types of storage media.

Accept Disclaimer

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After accepting the disclaimer you are on the start page of C-MOR:





The C-MOR installation is finished. Change the menu to „System Administration“ and configure your cameras.

The screenshot shows the C-MOR IP Video Surveillance web interface. At the top, there is a navigation bar with the C-MOR logo and the text "...and you see more!". The main header displays "IP Video Surveillance" and "V4.12 | admin | Disk Usage: 1%". There are several status indicators: "Motion Detection is on", "Email Alarm is on", and "Script-Stream" with a dropdown menu. The navigation menu includes "Start Menu", "Quickstart", "Recordings", "System Administration" (highlighted with a red box), "System Status", and "Logout". Below the navigation bar, there are tabs for "Cam 1", "Cam 2", and "Cam 3". The main content area is titled "System Administration" and contains several sections: "License Installation" (with a note about installing a license), "System Name", "Network Configuration", "Proxy Server Configuration", "Email Alarm", "Set Time", "Configuration of the Time Zone", "Time Server", "Start/Stop Recordings", "Storage Time of Recordings", "Automatic Deletion of oldest Recordings", and "Camera Configuration" (highlighted with a red box). The "Camera Configuration" section contains three buttons: "Change Configuration Camera 1", "Change Configuration Camera 2", and "Change Configuration Camera 3".

More Information for the configuration of C-MOR you can find on „**User Manual for C-MOR IP V4 Video Surveillance**“.

The Note “License Installation” just appears at the free version of C-MOR. If you have a licensed version yet, this note will not appear anymore.