**Installation Guide**

**C-MOR Video Surveillance on Microsoft Hyper-V server**

This Guide will show you the installation of C-MOR Video Surveillance on a Microsoft Hyper-V server. You are able to download the Microsoft Hyper-v 2012 server on http://www.microsoft.com/en-us/server-cloud/hyper-v-server/. If you want to download the Microsoft Hyper-V 2008 R2 you have to follow the following link http://www.microsoft.com/de-de/download/details.aspx?id=3512.

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



Hyper-V is an integrated windows feature on Windows 8, but you can also install on Windows 7 but therefore you need Microsoft Hyper-V Server 2008 or 2008 R2.

The following introduction is on Windows 8 Professional, but the installation doesn´t differ from the installation on Windows 7.

First you have to activate Hyper-V on Windows therefore you have to go to Control Panel → Programs and Features there you have to choose „Turn Windows features on or off".
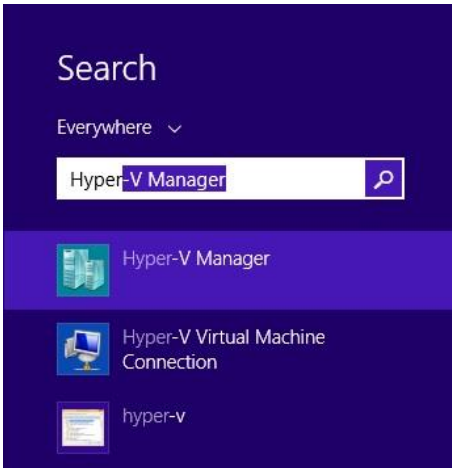
**Installation Guide**

**C-MOR Video Surveillance on Microsoft Hyper-V server**
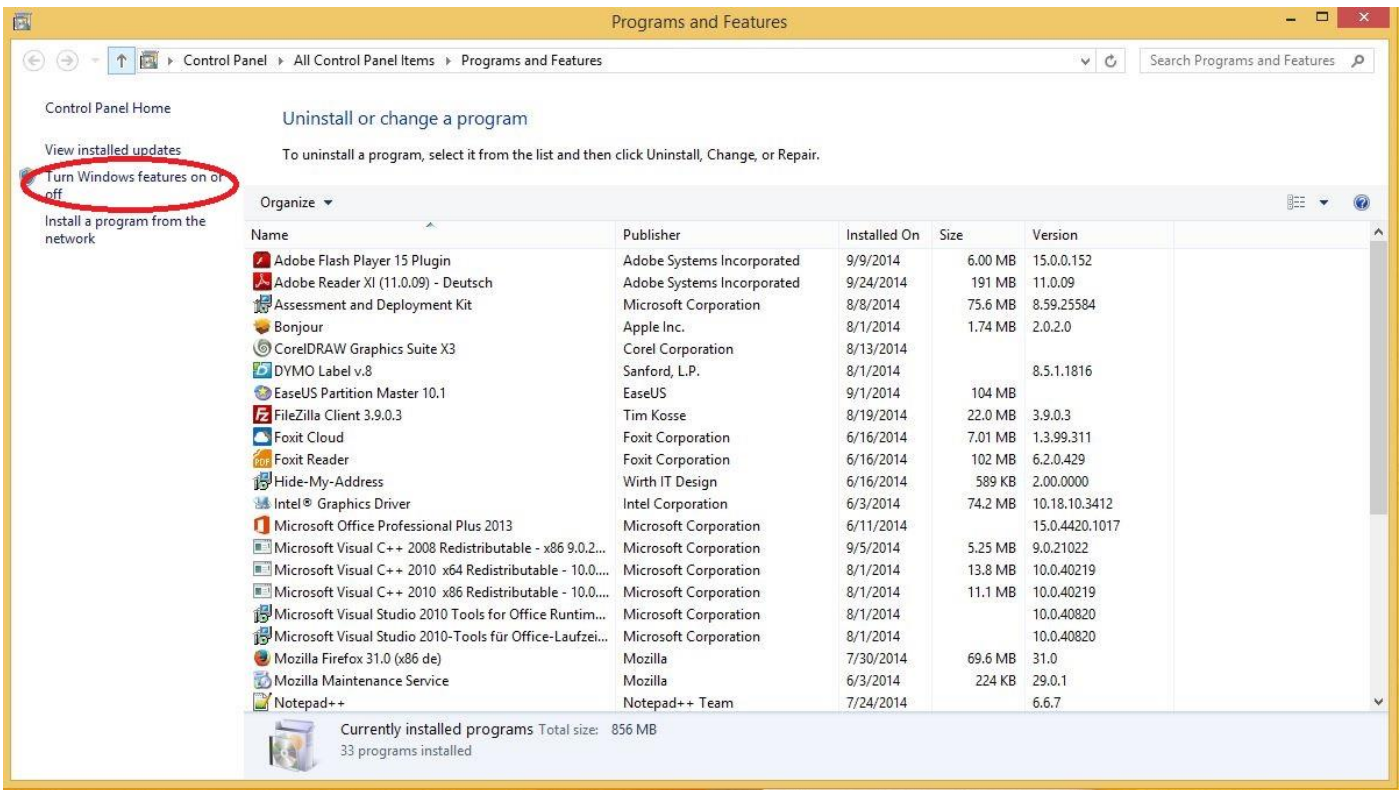


Select „Hyper-V" to install the feature on your personal computer. Confirm your selection with „OK".
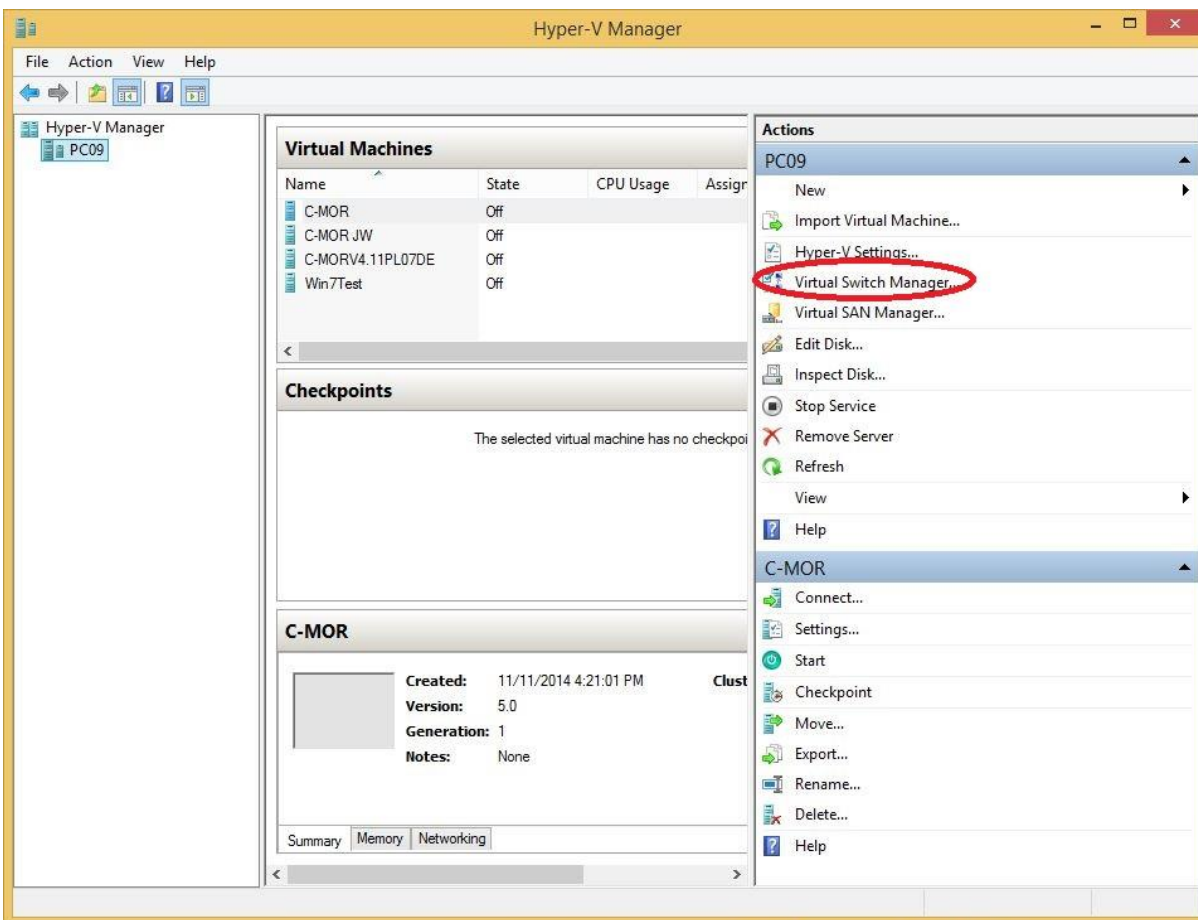


_____
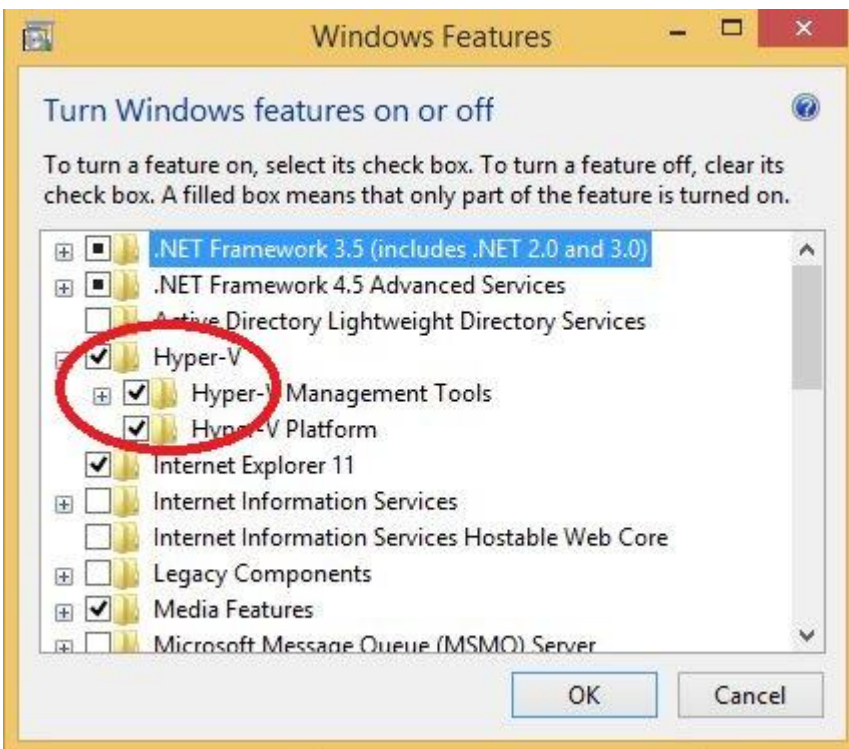
Now it is possible that you will get a request, which want to start new your PC. Follow this request and start your PC new to install Hyper-V.

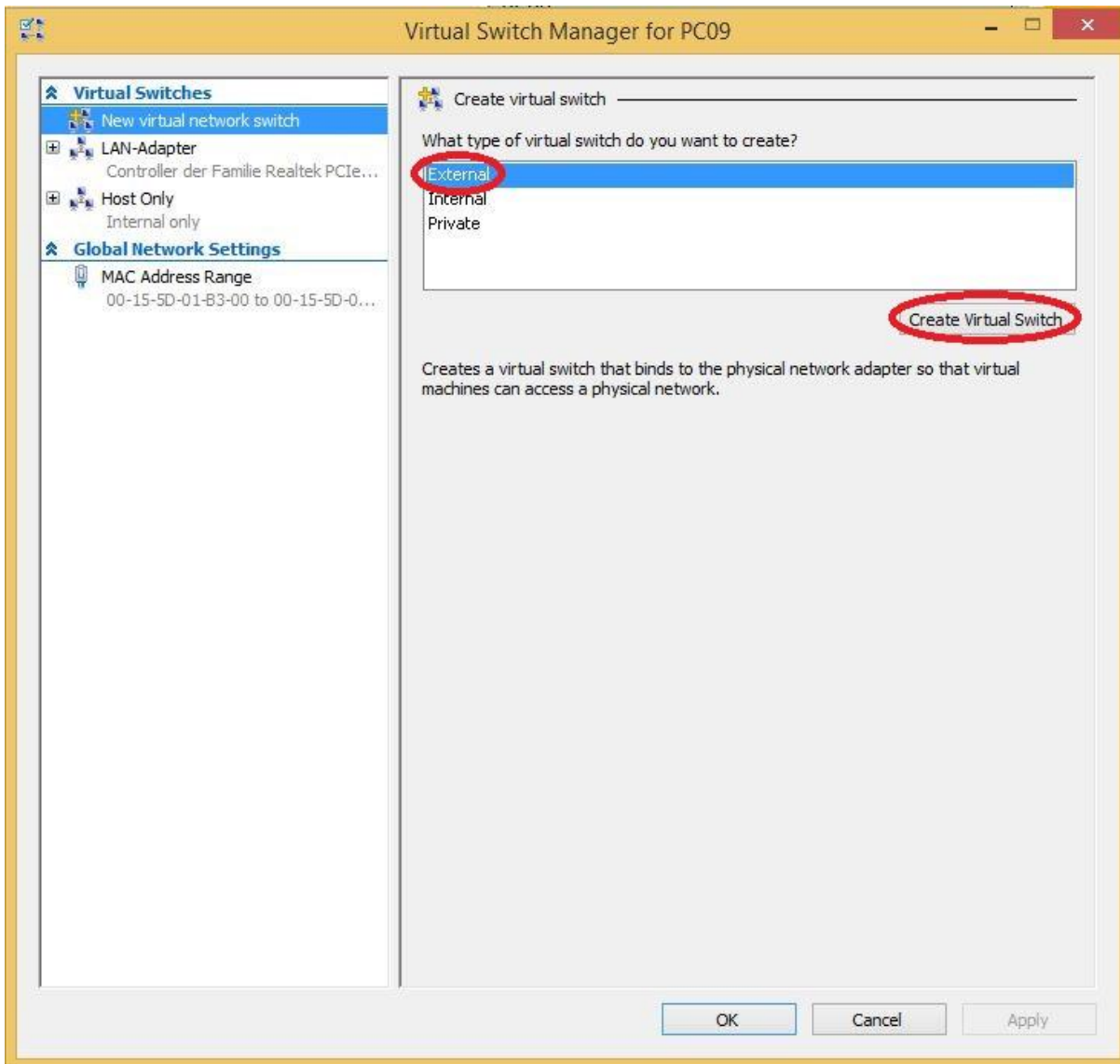After restart your PC you can search „Hyper-V"



Before setting up a virtual machine it's necessary to create a network connection. This step is only necessary if no network was set up yet.



---

Please select „External" and click on „Create Virtual Switch". External means to create a connection with the computers physical network interface

Now you can choose a name for your Virtual Switch. In our example we set „za-internet". Be sure that your selection is still an „External network". You can also select a network connection to connect the switch later. Have you followed the introduction please confirm with „OK" and go on.
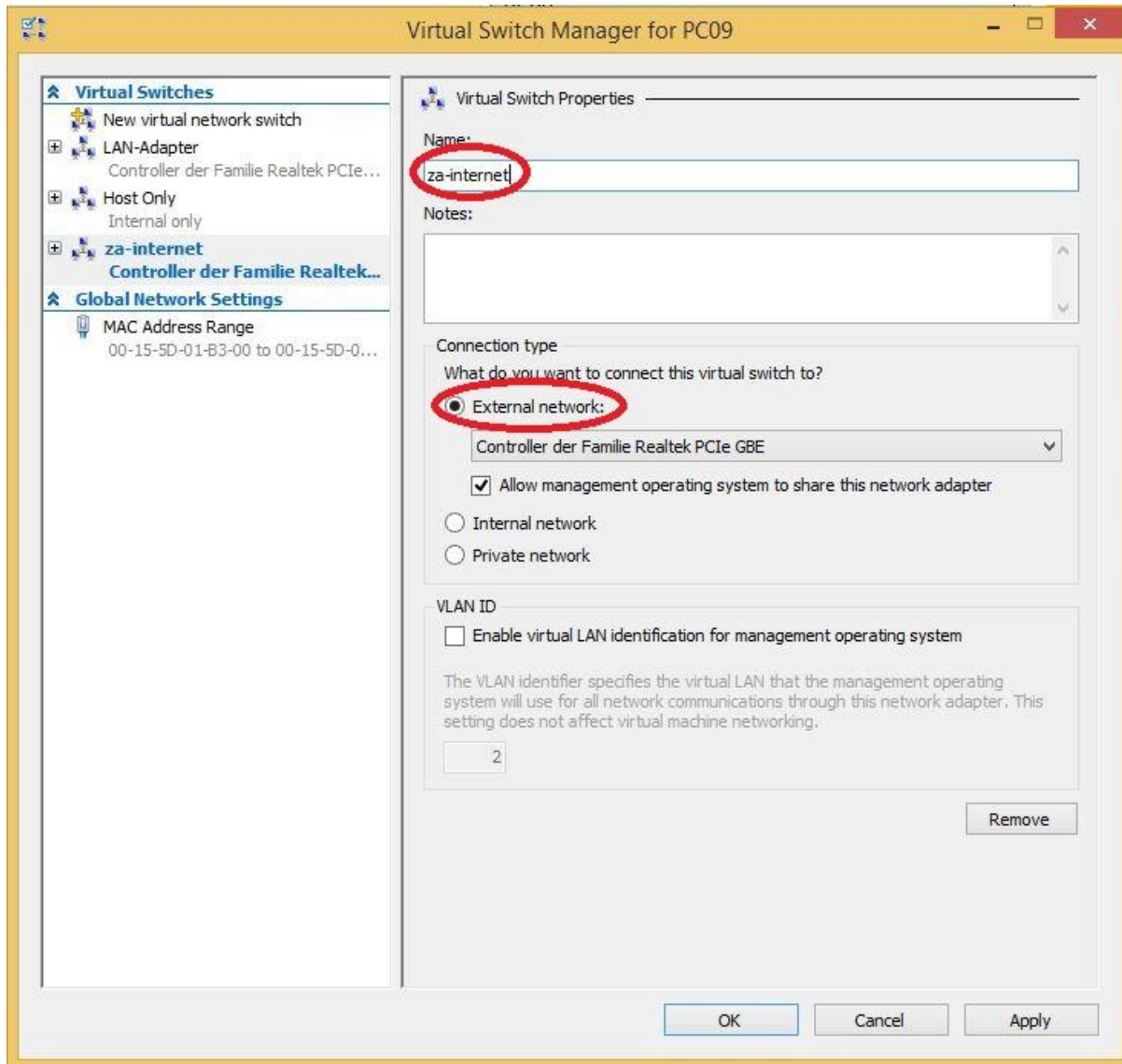
Confirm the following request with „Yes"
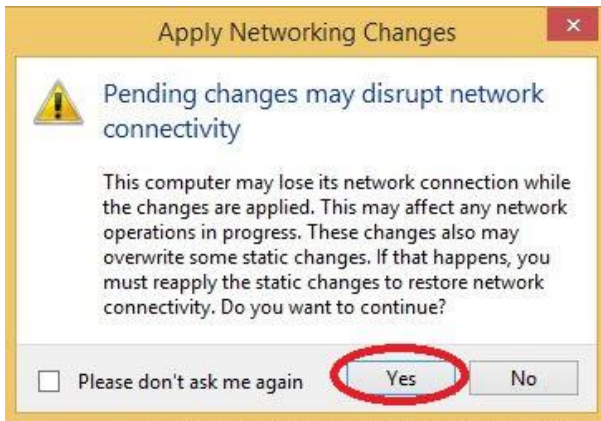


**Attention!** Your network connection will be break up. But during the next steps your connection will be restored again.

**Installation Guide**

**C-MOR Video Surveillance on Microsoft Hyper-V server**

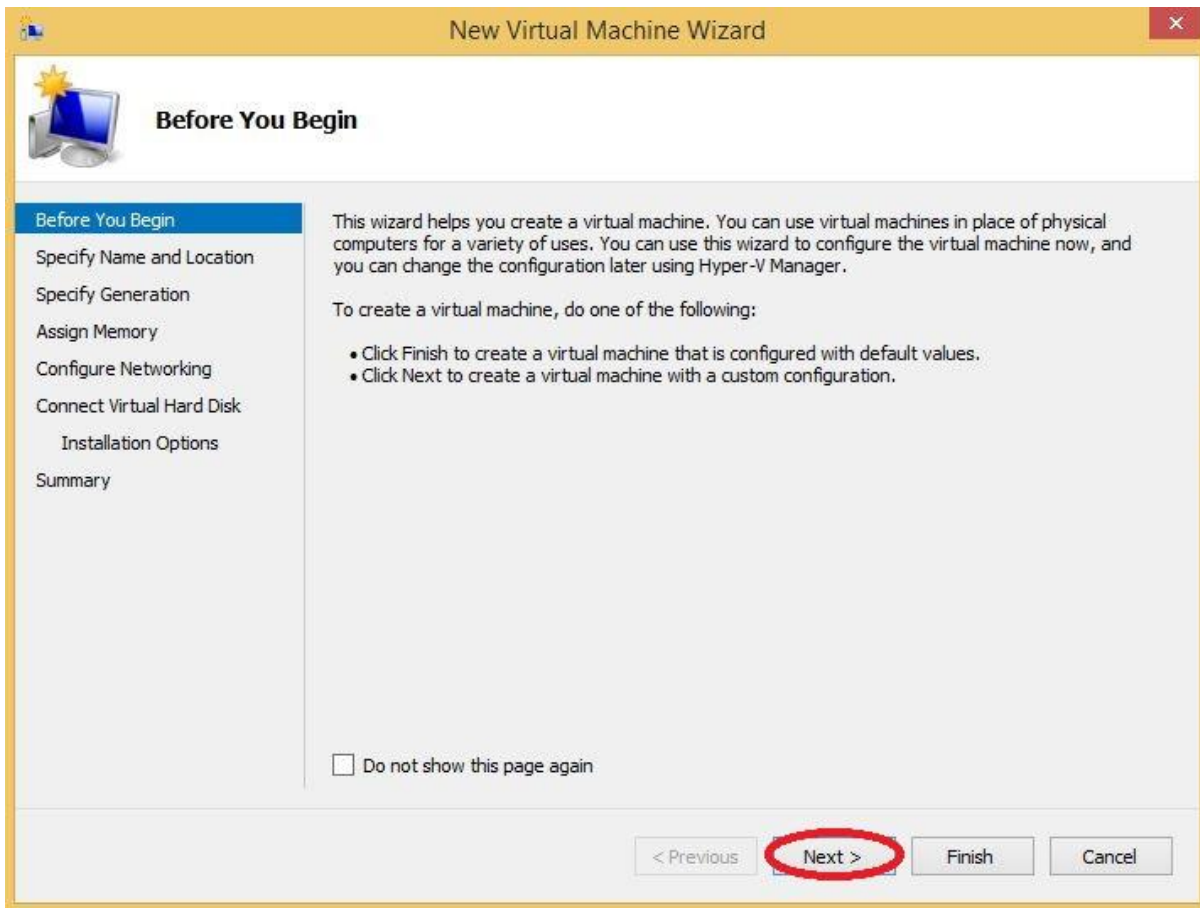Now you are on the start page of Hyper-V-Manager.

To create a virtual computer you have to select „New" on the right side and then „Virtual Machine".
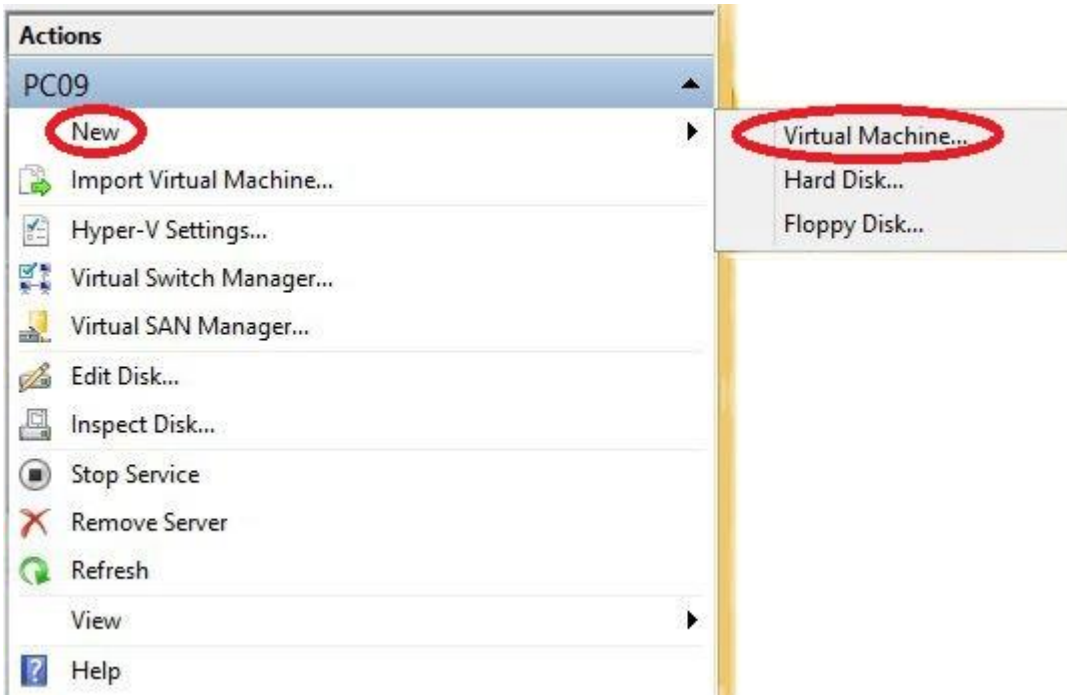
Following Window will be appear:

Just go on with the button „Next".

**Installation Guide**

**C-MOR Video Surveillance on Microsoft Hyper-V server**

Step 1: You have to select a name for your virtual computer and to choose a location to save it, whether you want to save it. **Offer:** If you haven´t much space on your „Local Disk C:" choose another Disk to save it, e.g. D:\... If you have finished this step, go on with „Next" to step 2.
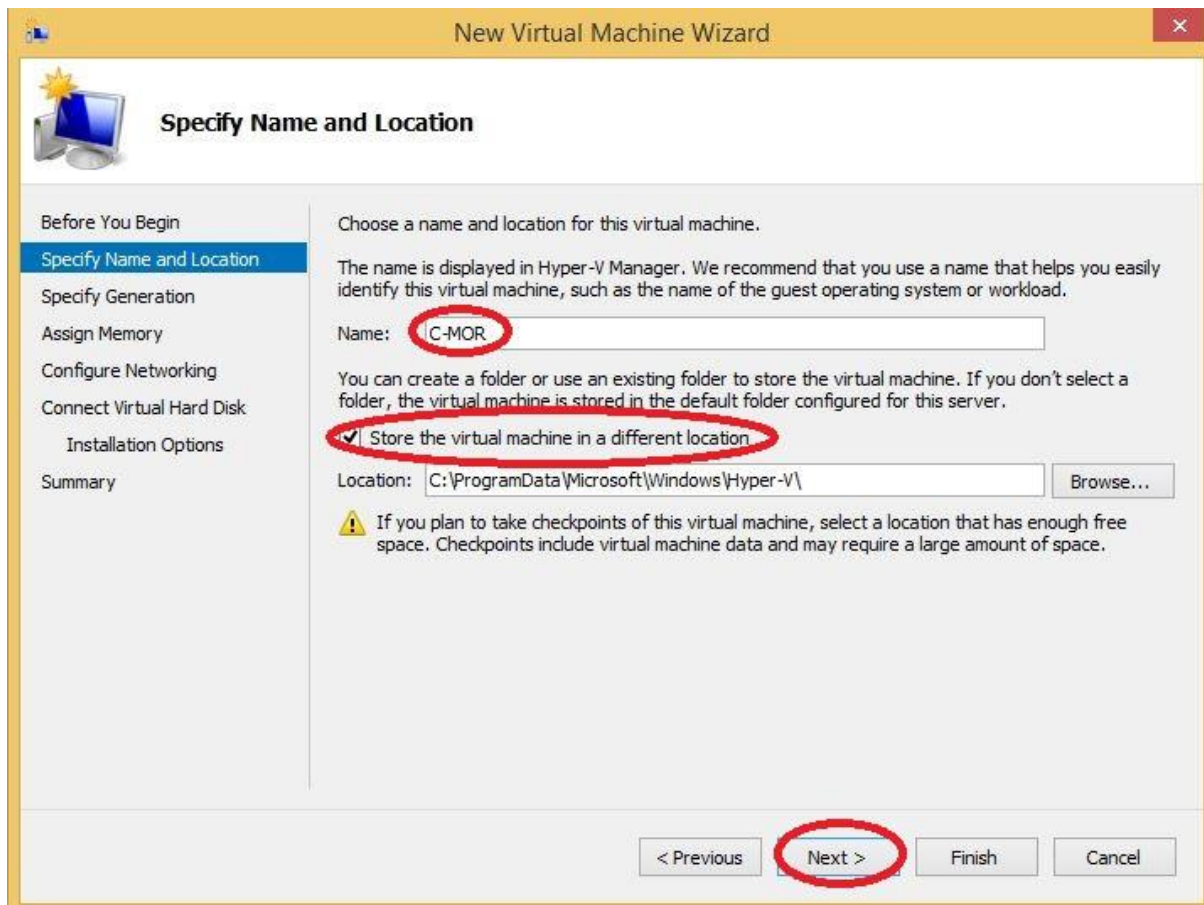
Step 2: Now you are asked to select a generation of the virtual machine. C-MOR only works with the setting „Generation 1".

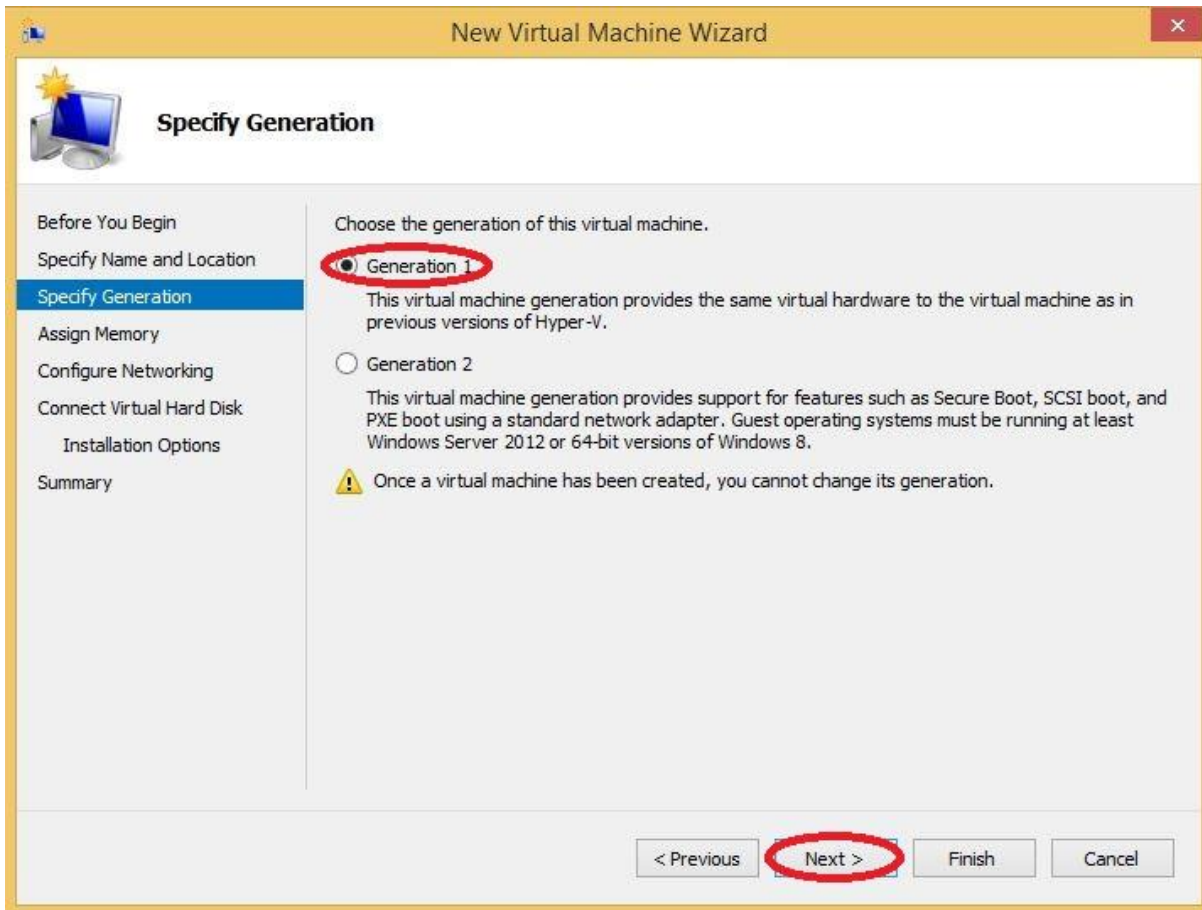Step 3: Afterwards you reach the settings where you have to assign memory for your virtual machine. **Attention!** The size shouldn't be too big. We suggest to assign 1024MB virtual memory. C-MOR just with one camera is able to work with 512MB virtual memory.
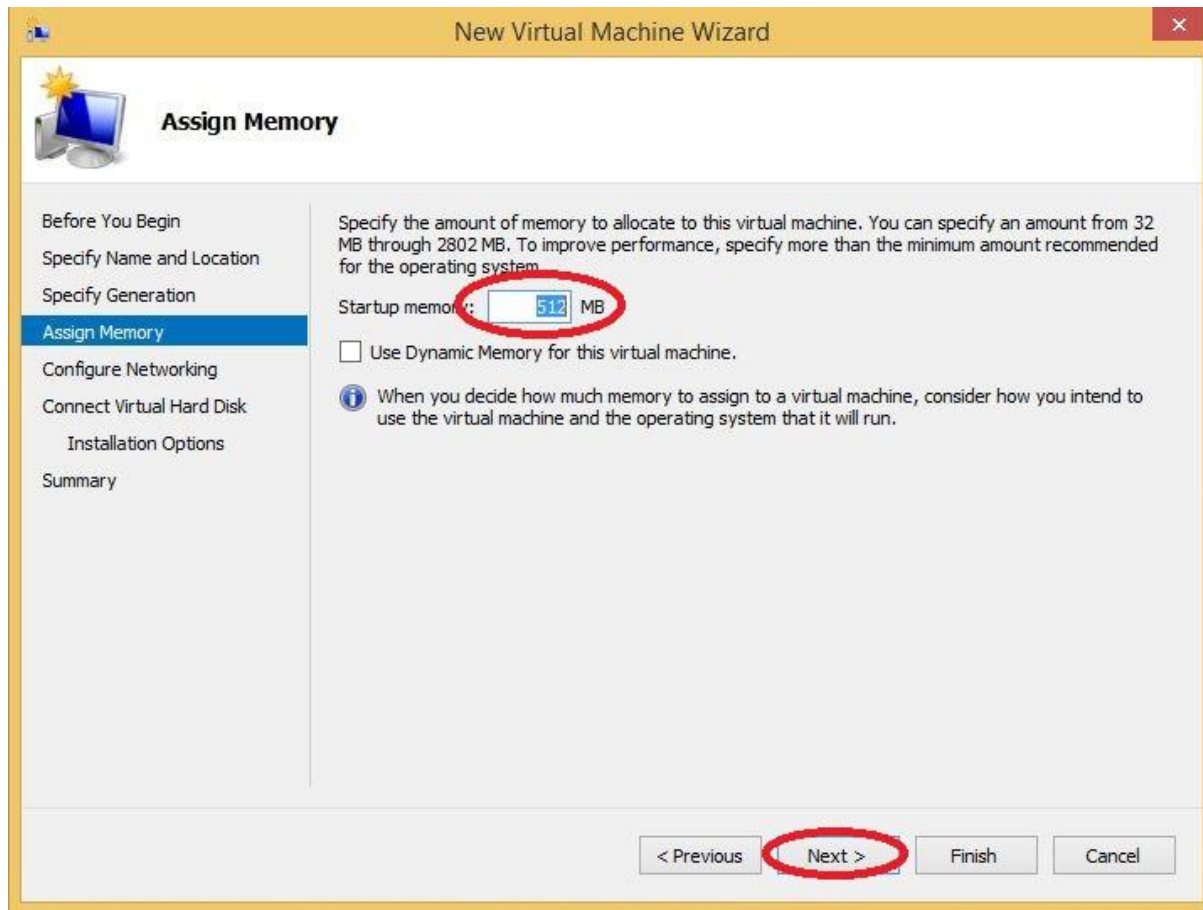
Step 4: Now you have to configure your network. Please select the virtual switch you have created first.

Step 5: 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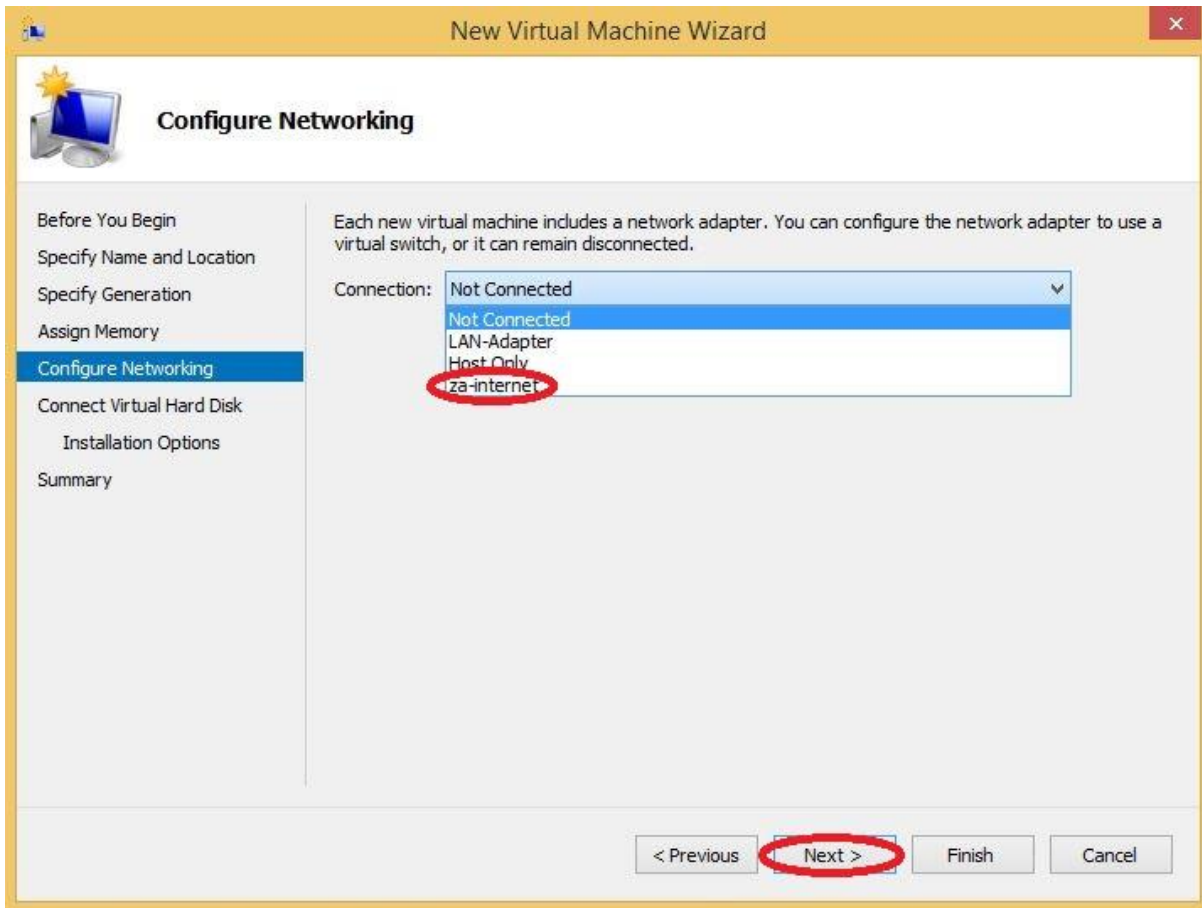 space. If you want to do the installation automatically it isn´t necessary to remember the space later. But if you want to do your own partitioning you have to remember the space you choose for the installation later.
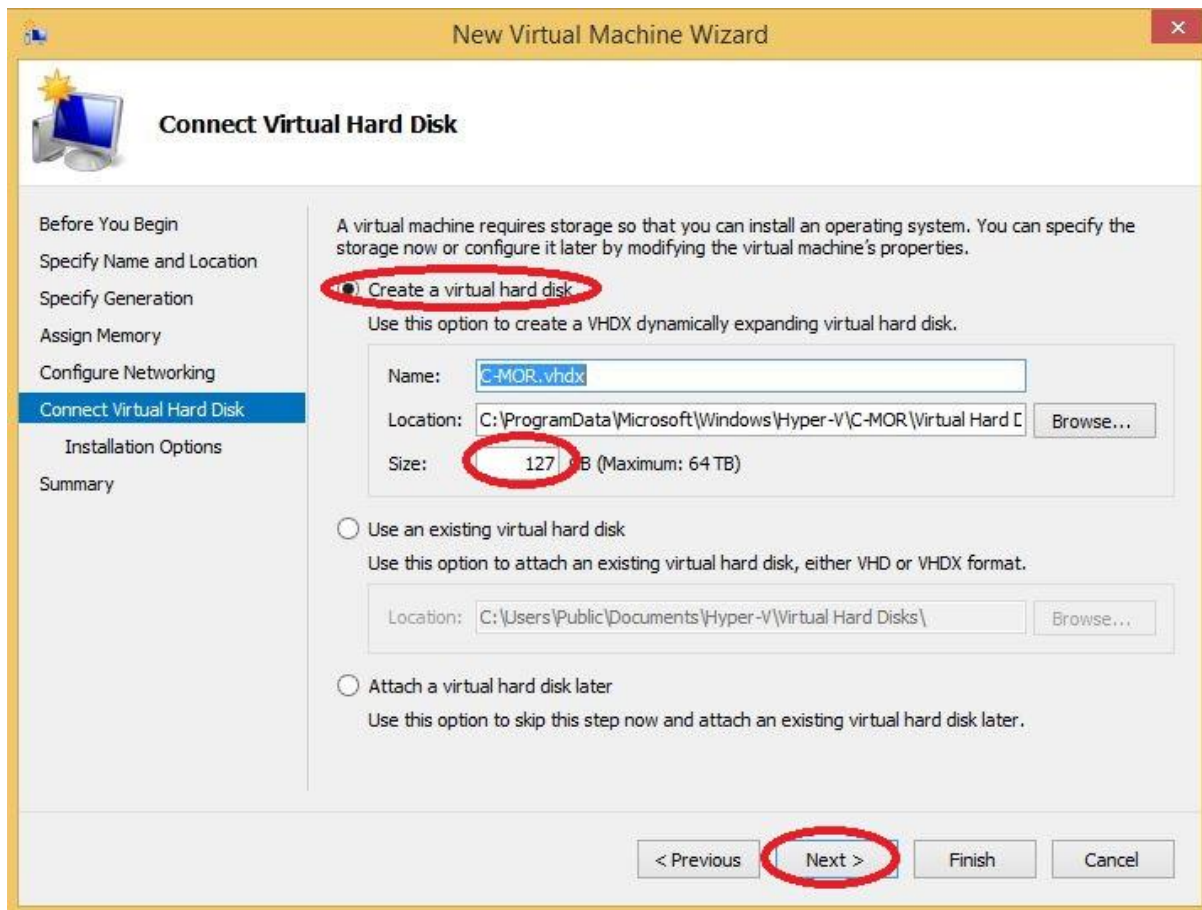
Step 6: Choose „Install an operating system from a bootable CD/DVD-ROM", than choose „Image file (.iso)" and now browse the ISO file you have downloaded first.



.
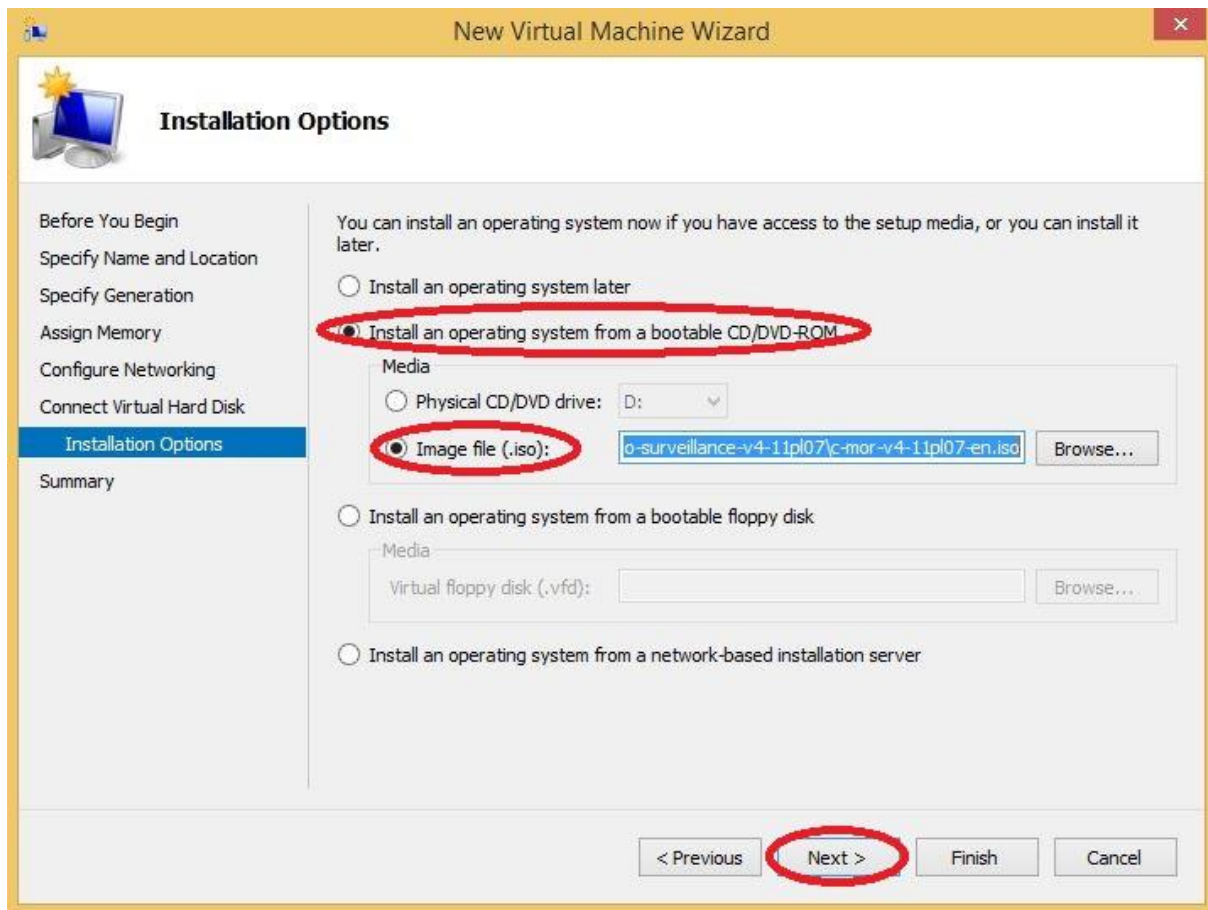
Step 7: Check your „summary" of correctness. If everything is right, you can „finish" the new virtual machine wizard.
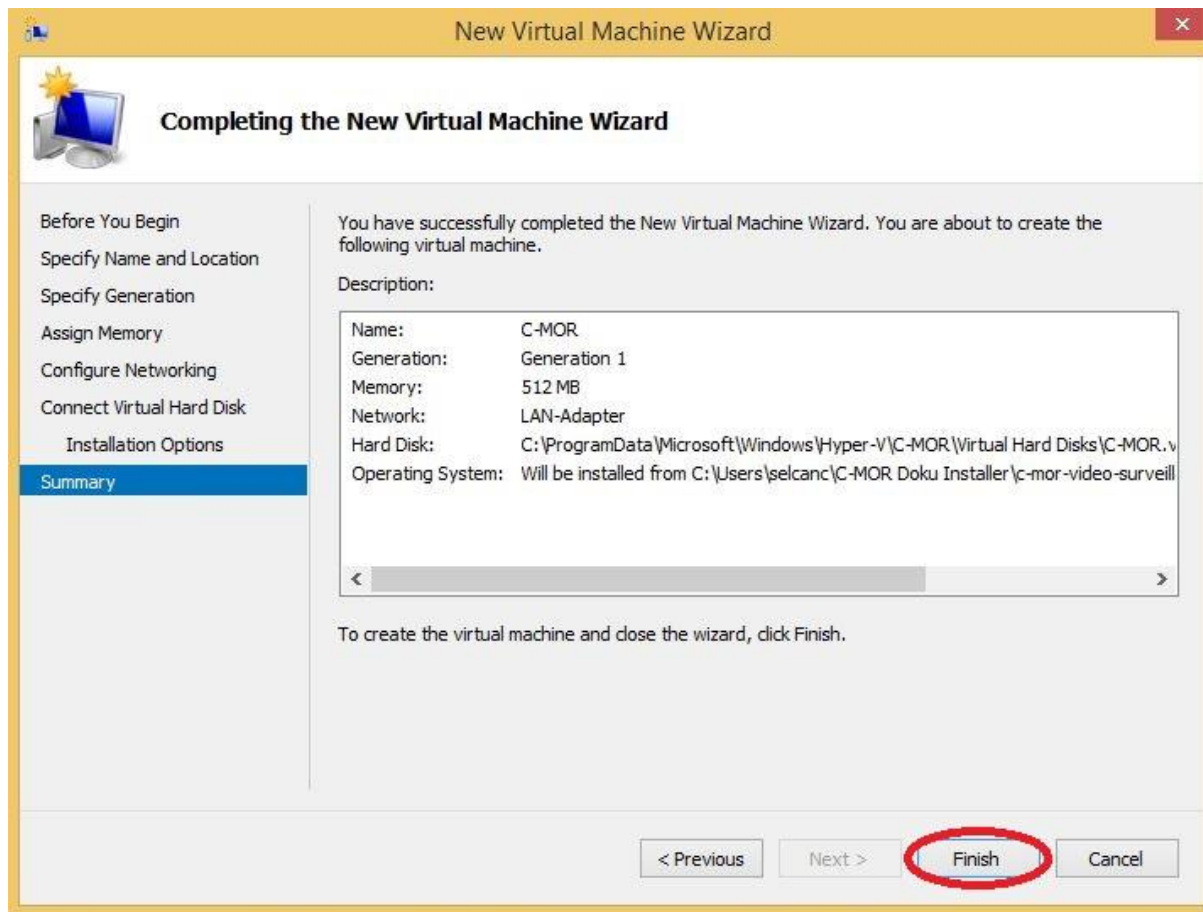
Step 8: on the front page of Hyper-V Manager you can see your virtual machine. Certainly your new virtual machine is still off. So you have to select „Connect" on the right side.

**Installation Guide**

**C-MOR Video Surveillance on Microsoft Hyper-V server**
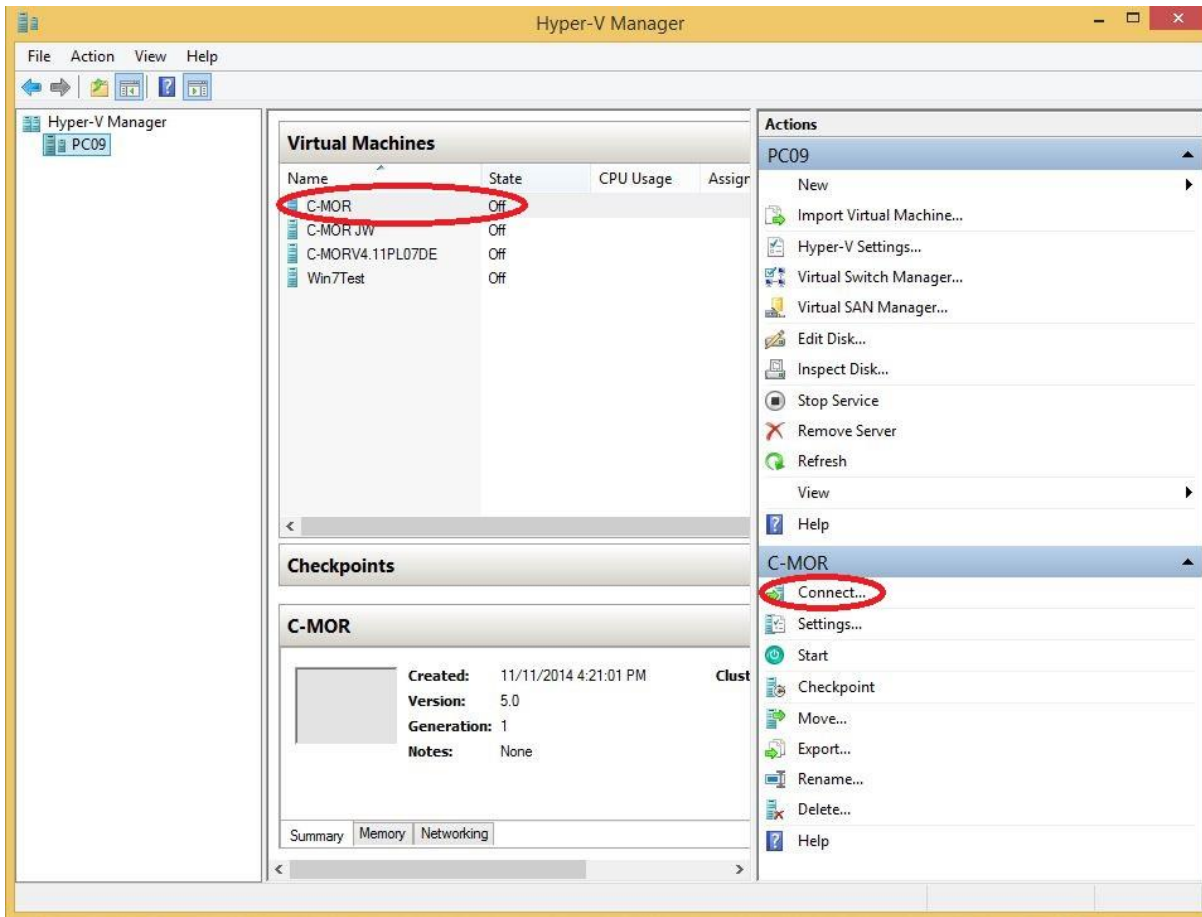
Following Window will appear:

**Installation Guide**

**C-MOR Video Surveillance on Microsoft Hyper-V server**

This Screen tells you to start your C-MOR, so you have to select „Start" on the right side of the Hyper-V-Manager to start your installation.
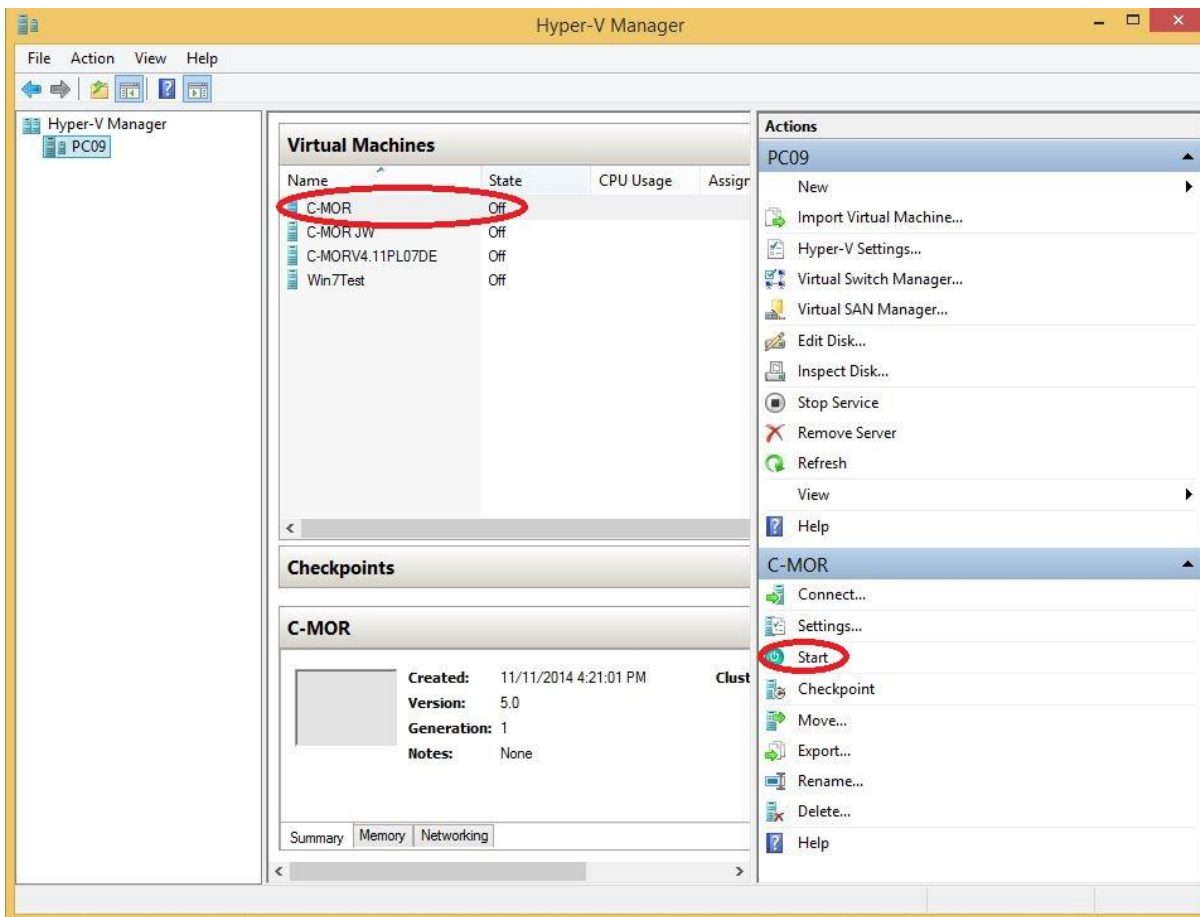
The virtual C-MOR will be started and you can see following screen. You have to press enter to start the installation.

```
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.
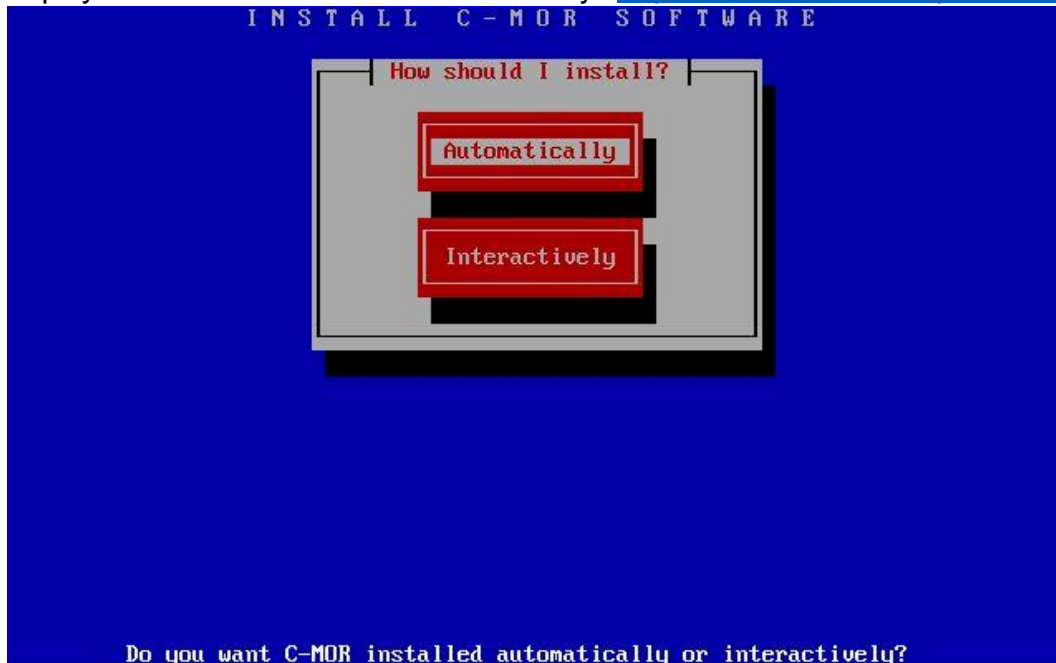


You can see the progress of the installation:

Your C-MOR Virtual Machine is finished now! Press enter to finish the installation.
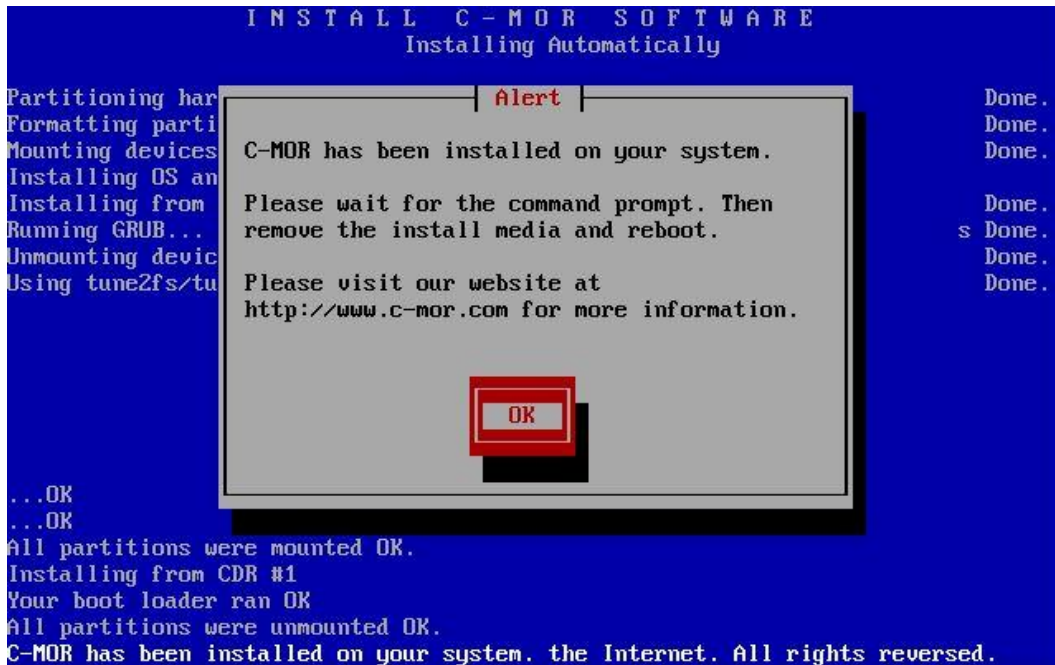
```
        I N S T A L L   C - M O R   S O F T W A R E
                  Installing Automatically

Partitioning har                                              Done.
Formatting parti   ┤  Alert  ├                                Done.
Mounting devices                                              Done.
Installing OS an   C-MOR has been installed on your system.
Installing from                                               Done.
Running GRUB...    Please wait for the command prompt. Then  s Done.
Unmounting devic   remove the install media and reboot.       Done.
Using tune2fs/tu                                              Done.
                   Please visit our website at
                   http://www.c-mor.com for more information.


                           ┌──────┐
                           │  OK  │
                           └──────┘

...OK
...OK
All partitions were mounted OK.
Installing from CDR #1
Your boot loader ran OK
All partitions were unmounted OK.
C-MOR has been installed on your system. the Internet. All rights reversed.
```

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

```
Running GRUB...                                              s Done.
Unmounting devices                                            Done.
Using tune2fs/tune4fs to identify your ext2,3,4 partitions    Done.
Run complete. Please remove media and reboot.




All partitions were unmounted OK.sh: can't create /tmp/mondo.tmp.F803xS/mondo-ru
n-prog-thing.tmp: nonexistent directory. Please wait for the command prompt.
Then remove the install media and reboosh: can't create /tmp/mondo.tmp.F803xS/mo
ndo-run-prog-thing.tmp: nonexistent directorycom for more information.
Restore log (/var/log/mondorestore.log) copied to /var/log on your hard disk
Mondo-restore is exiting (retval=0)
Execution run ended; result=0
Type 'less /var/log/mondorestore.log' to see the output log
Type 'exit' to reboot the PC


BusyBox v1.18.5-r3091 (2013-03-15 09:03:55 CET) built-in shell (ash)
Enter 'help' for a list of built-in commands.

# exit
```

---

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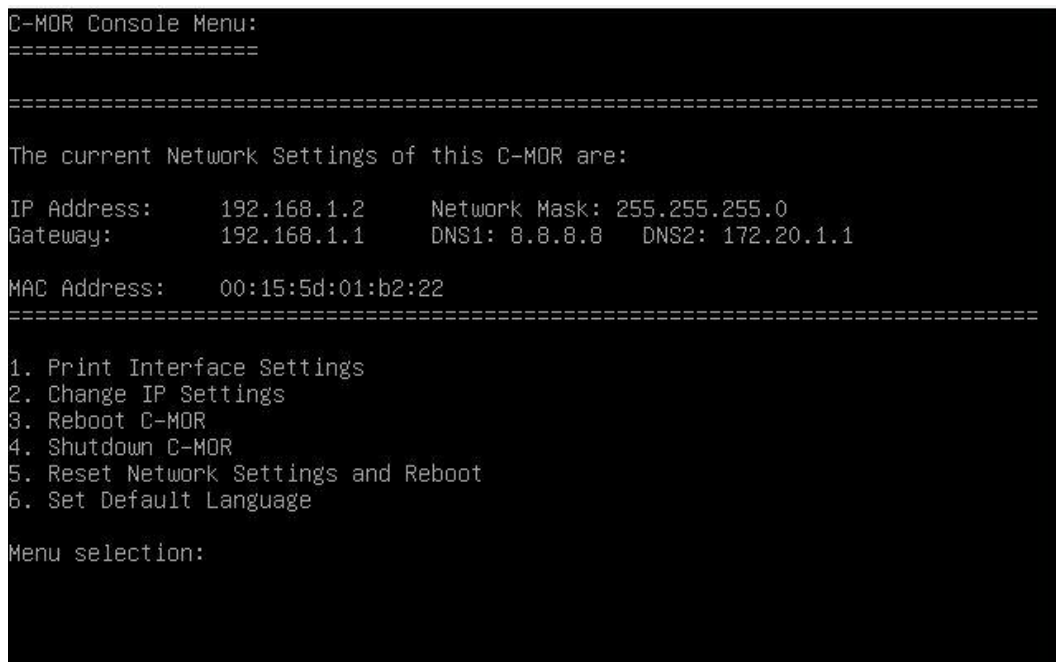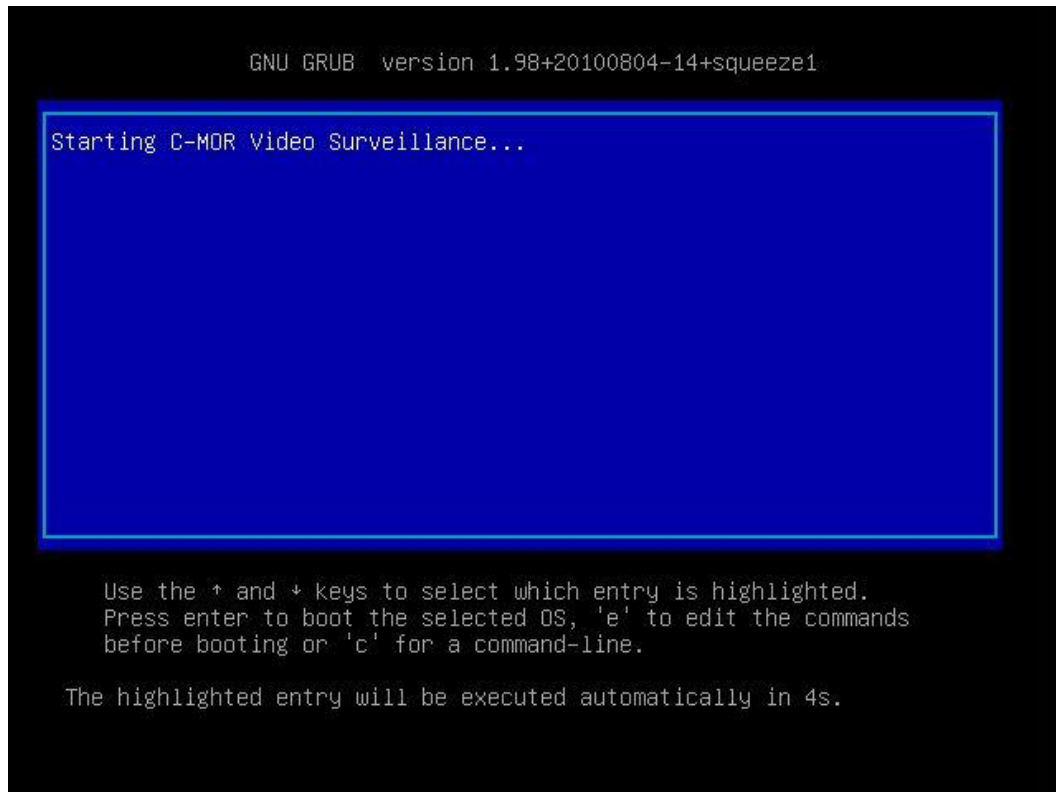
You are able to insert your desired IP address. Before you can change the C-MOR installer will ask you for the administrator password. The standard password is „admin".

```
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:



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:

**Installation Guide**

**C-MOR Video Surveillance on Microsoft Hyper-V server**

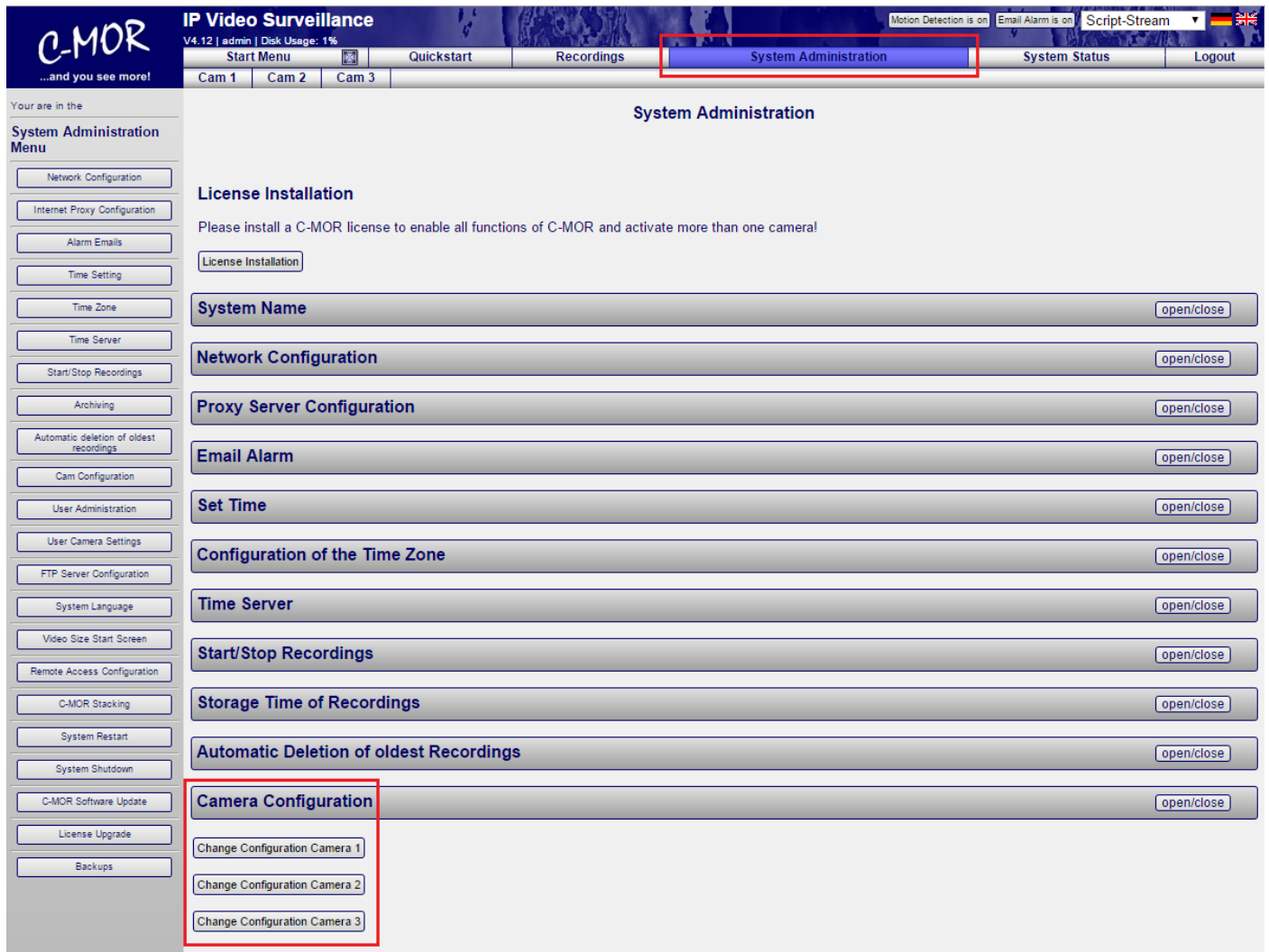After accepting the disclaimer you are on the start page of C-MOR:

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



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.