

VMware vmx configuration

The VM must be configured with a NAT network. This is to avoid registering all VM's in the CERN network device registry and to prevent access to the VM's from the the network.

A list of properties that can be passed to the .vmx file can be found here:

- VMware .vmx file properties [↗](#)

Setting properties in the vmx-file

First make sure that you have all the following two files in the VM folder.

- .vmdk-file - The bootstrapper needs a .vmdk-file which is the image file of the guest operating system.
- .vmx-file - Is needed to specify the necessary details about the VM.

If you do not have the files, they can be downloaded from here:

`/afs/cern.ch/project/etics/internal/public/VMWareImages/`

If the folder you now have contains a file named:

- `hostname.vmx.template`

Simply copy the file to the correct file name according to the platform name.

Example

```
cp ./WN_base_SLC4_x86_64/hostname.vmx.template ./WN_base_SLC4_x86_64/WN_base_SLC4_x86_64.vmx
```

Notice that the files and folder must have the same name as the platform name:

Example The platform `WN_base_SLC4_x86_64` must have the following structure - according to the relative path the VMLoader is launched from:

- `./WN_base_SLC4_x86_64/WN_base_SLC4_x86_64.vmdk`
- `./WN_base_SLC4_x86_64/WN_base_SLC4_x86_64.vmx`

Take out!

```
< displayName = "@@hostname@"
---
> displayName = "WN_base_SLC4_x86_64"

< ethernet0.addressType = "static"
< ethernet0.connectionType = "bridged"
< ethernet0.generatedAddress = "@@mac_address@"
---
> ethernet0.addressType = "generated"

> virtualHW.productCompatibility = "hosted"
> tools.upgrade.policy = "manual"
> ethernet0.features = "1"
> ethernet0.networkName = "NAT"
```

Paste into the .vmx file

```
#(VM is copied)
#uuid.action = "create"

#Serial enabled
serial0.present = "TRUE"
#Not always necessary
serial0.allowGuestConnectionControl = "FALSE"
#To file
serial0.fileType = "file"
#Append to the file within the directory of th VM
serial0.fileName = "Console.log"
#Append to the file created by the VMLoader user
answer.msg.serial.file.open = "Append"
```

-- OeyvindValenSendstad - 31 Jul 2009

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