

# Creating a Host Virtual Machine

## 1- Creating a NEW dev VM for the Development environment of Owasys 4x on Xubuntu:

Create vm:

- 2 cores
- 4 G ram
- 30G Disk
- Xubuntu 18.04 - 64bits

Open a Terminal

- `apt-get update`
- `apt-get upgrade`
- `apt autoremove --purge`

ADD VirtualBox support:

### VirtualBoc support

VirtualBox Devices Insert Guest Addition CD image...

Terminal

- `sudo su`
- `cd /media/politick/VBox_GAs...#`
- `./autorun.sh`

ADD VMWare support:

### VM ware support

Mount CDROM and goto media:

- `cd /media/politick/CDROM/`
- `cp upgra64 ~`
- `cd ~`
- `chmod u+x upgra64`
- `./upgra64`

XOR apt-get install if above fails:

- `apt-get install open-vm-tools`

If you want a remote Desktop in the case this is running in ESXi infrastructure or so.

### Remote Desktop option

Install NoMachine for remote desktop (IF you want Remote Desktop !)

- Open a browser and download <https://www.nomachine.com/download/download&id=4>
- `cp ~/Download/nomachine_6.0.66_2_i686.tar.gz /usr/nomachine_6.0.66_2_i686.tar.gz`
- `cd /usr/`

- tar -zxvf nomachine\_6.0.66\_2\_i686.tar.gz
- NX/nxserver --install

Add Development environment tools:

- apt-get install autoconf
  - apt-get install flex
  - apt-get install git
  - apt-get install kdevelop
  - apt-get install cmake
- or
- apt-get install autoconf flex git kdevelop cmake

Goto the Owasys Developer Zone and download the compiler and the patch

- gcc-linaro-5.3-2016.02-x86\_64\_arm-linux-gnueabihf\_5.3\_sub1.0.3.tgz
- Compiler\_gcc-linaro-5.3\_patch\_1.0.8.tgz
- cd /opt
- tar -zxvf ~politick/Downloads/gcc-linaro-5.3-2016.02-x86\_64\_arm-linux-gnueabihf\_5.3\_sub1.0.3.tgz
- tar -zxvf ~politick/Downloads/Compiler\_gcc-linaro-5.3\_patch\_1.0.8.tgz
- cd Compiler\_gcc-linaro-5.3\_patch
- ./install-owa4x-comp-PATCH-1.0.8.sh
- cd ..
- rm -fR Compiler\_gcc-linaro-5.3\_patch

As GIT user:

- git config --global user.email [politick@gmail.com](mailto:politick@gmail.com)
- git config --global user.name politick

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For MORE Info on the compiler See linaro compiler:

[gcc-linaro-5.3.tar.gz](#)

<https://releases.linaro.org/components/toolchain/binaries/>

<https://wiki.linaro.org/WorkingGroups/ToolChain>