Installing KVM in Arch Linux

horizontal line

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Based on the work from Hermanno Ferrara**[**https://www.youtube.com/watch?v=itZf5FpDcV0**](https://www.youtube.com/watch?v=itZf5FpDcV0) **00 Installing the required packages**

1. KVM stands for Kernel-based Virtual Machine, first you need to **make sure VIRTUALIZATION IS ENABLED ON YOUR BIOS**.
2. You will need to install the following packages:  
   ***# sudo pacman -S virt-manager qemu qemu-arch-extra ovmf vde2 ebtables dnsmasq bridge-utils openbsd-netcat***
3. Next, we need to enable and start the libvirt service:   
   ***# sudo systemctl enable libvirtd.service   
   # sudo systemctl start libvirtd.service***
4. Next, we need to create a network bridge, but to simplify things, we will reuse the one from Ermanno, you can download the bridge from here:[***https://gitlab.com/eflinux/kvmarch/-/blob/master/br10.xml***](https://gitlab.com/eflinux/kvmarch/-/blob/master/br10.xml)
5. Once the XML file has been download, you need to define the bridge, to do that, you need to execute the following:  
   ***# sudo virsh net-define br10.xml***
6. To start the bridge network you need to execute the following (yes, without the .xml):  
   ***# sudo virsh net-start br10***
7. To auto-start the bridge when we boot the machine, we do:  
   ***# sudo virsh net-autostart br10***
8. Now you can start your Virtual Machine Manager

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