

Introduction to the COMP3301 VMs

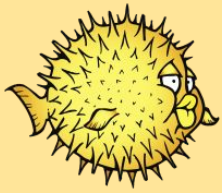
COMP3301 - Week 1 Contact



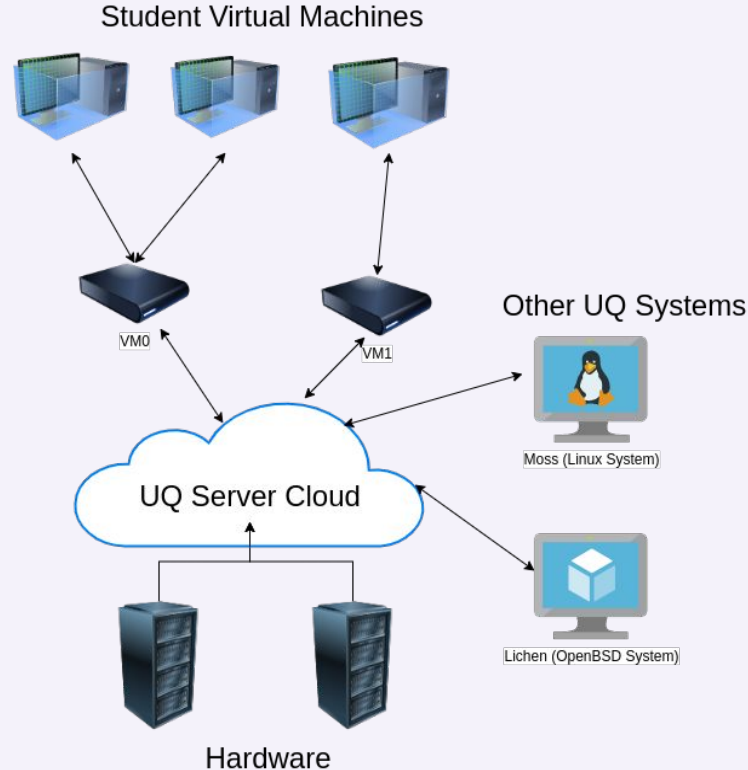
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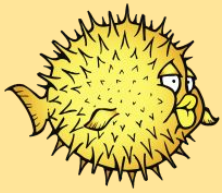


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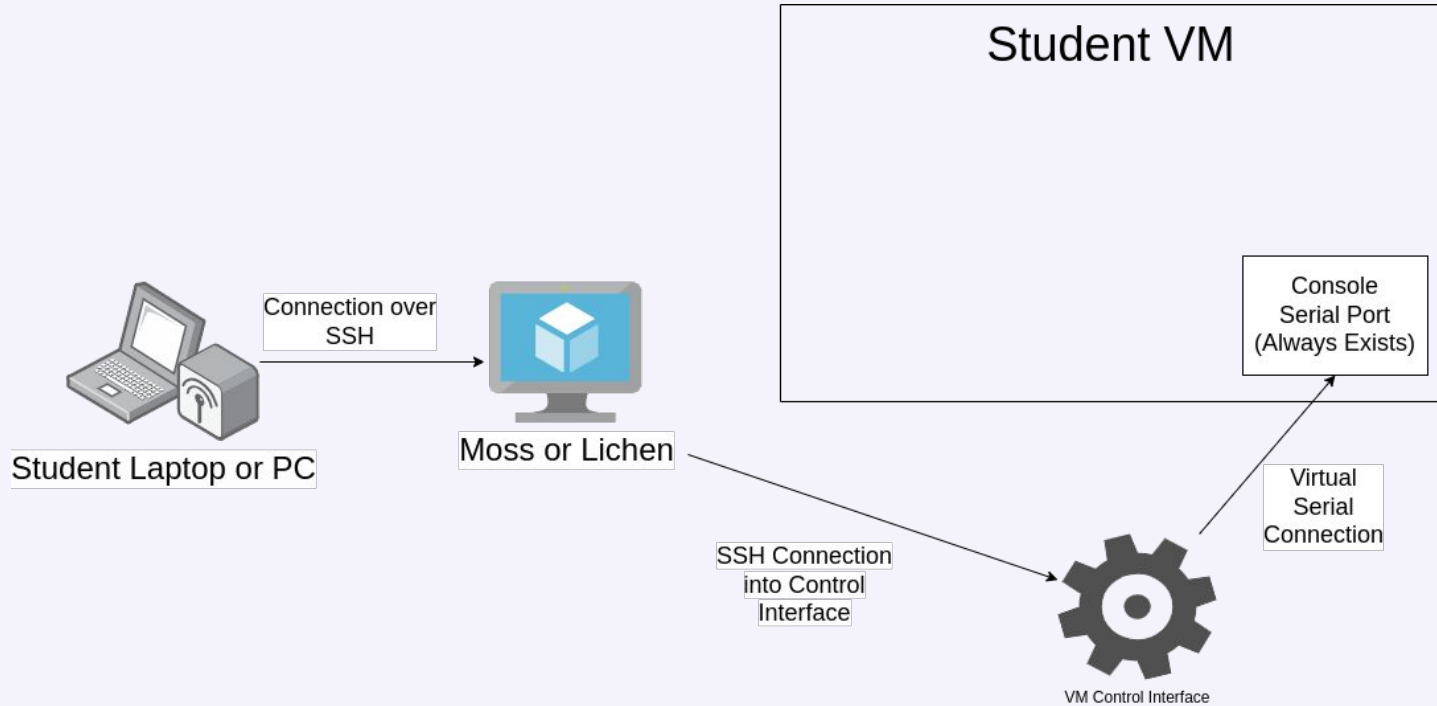


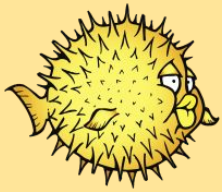
COMP3301 Virtual Machines (VMs) and UQ Network





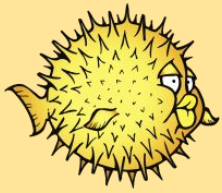
COMP3301 Virtual Machine Initially (VM in stop)





COMP3301 VM Control Interface

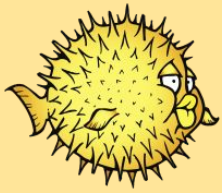
- Where you can control your VM from
 - You will need to SSH into this first as the OS is not installed
 - You can enter the console (a serial port to your VM) here
- Commands
 - start → start vm
 - stop → stop vm
 - hard-reset → “pulling the plug and putting it back in again”
 - **NOT** a “factory reset”
 - status → see current status of vm
 - console → enter the serial console into your vm
 - exit → exit the control interface



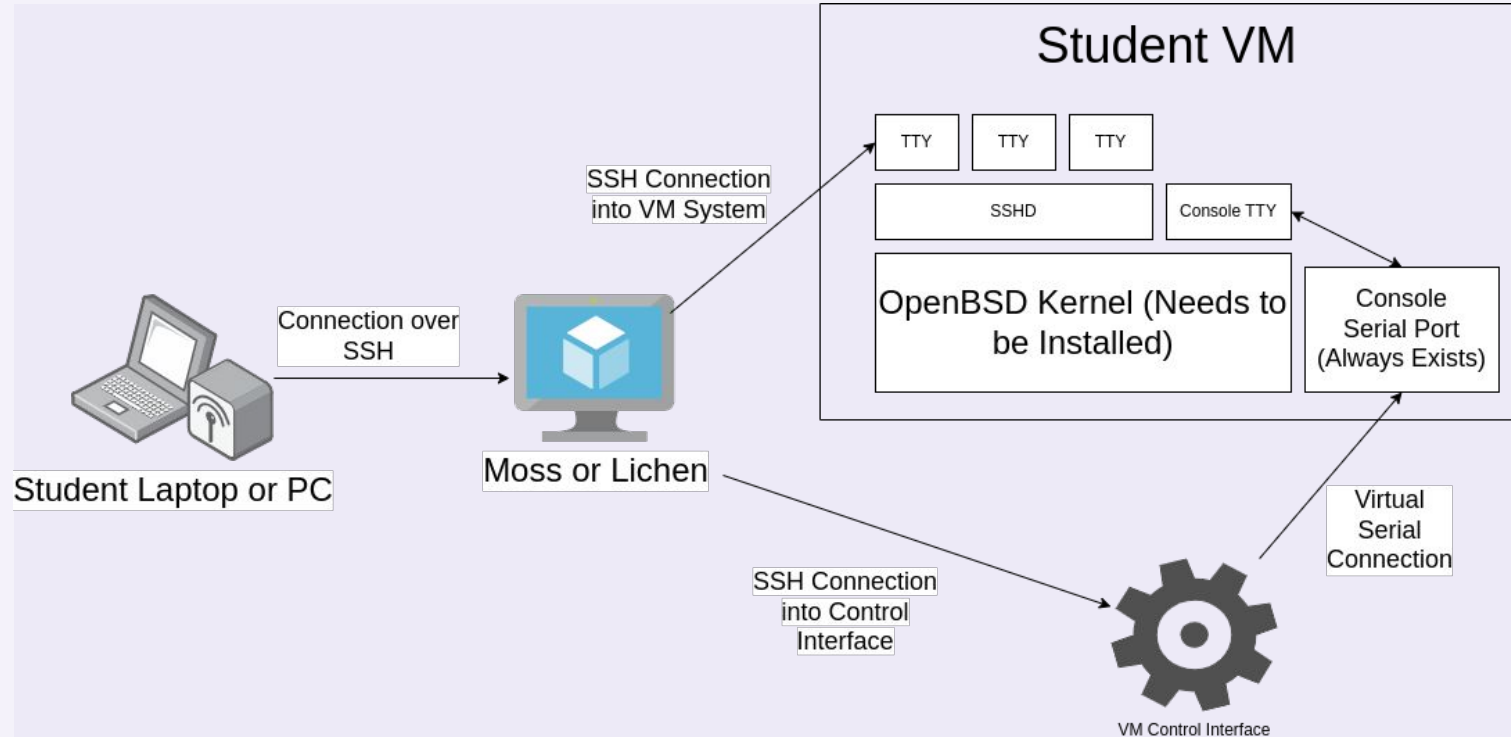
COMP3301 VM Console

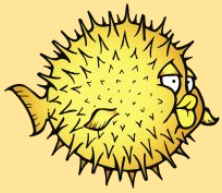
A serial port into your VM

- All printf's from the kernel goes here by default
- Used during OpenBSD install
- Used when you cannot use SSH (e.g., kernel crashed, SSH/network broken, need to login as root)
- DDB, the kernel debugger that is invoked when your kernel crashes, is only accessible from the serial console
- You should use SSH otherwise



COMP3301 Virtual Machine Booted and Working



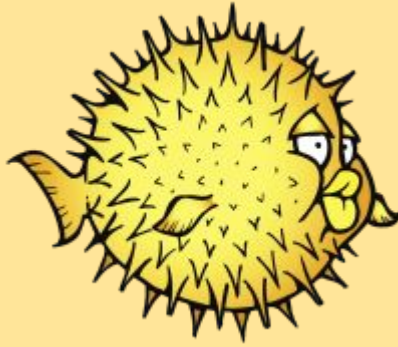


SSHD and SSH connections

When the SSH daemon is running on top of the kernel, you can establish direct SSH connections into the VM

- No unnecessary debug logs printed
- Mouse support and etc. in your favourite editor
- Nicer interface and better looking text
- You should be using this for the majority of your development
- Will only work if you kernel is running and working properly





HAPPY DEVVING!!!

Thanks for Coming



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