Practical 6: Introduction to Virtual Machines

**Introduction**

In this lab we introduce virtual machines using a virtual machine host on your own machine i.e. VirtualBox. We will then briefly use Amazon EC2 which is a host for virtual machines on the cloud. We will create a new virtual machine and also connect to this via SSH

**1. VirtualBox Introduction**

Go to <https://www.virtualbox.org/> where you can download virtual box and get informative tutorials, other documentation and community links. Read the documentation for VirtualBox here: <https://www.virtualbox.org/manual/>

**2. Demonstrating sample VMs running on VirtualBox**

See demo

**2. Demonstrate VMs on the cloud using Amazon Web Services**

See demo

**3. For submission**

Submit a written report on this lab to [billy.stack@staff.ittralee.ie](mailto:billy.stack@staff.ittralee.ie) that has:

* A brief explanation of VirtualBox and the services it offers
* A brief explanation of Amazon Web Services EC2, and what was demonstrated in the lab
* Research what SSH is, and explain how it is used in cloud environments