### Lab 1 –VM Basics

### Due as per D2L dropbox

Scoring Rubric

|  |  |
| --- | --- |
| 100 | Student completes lab on time and according to specs |
| 50 | Missing some screenshots or other requested proofs or deliverables |
| 0 | Nothing turned in or document is not readable. |

Goal

To get you familiar with Virtual Machines, creating at least one, and taking snapshots.

Deliverables

Upload a Microsoft Word DOC or RTF file to D2L. The file should contain identifying information (name, course number, assignment, etc) and contain appropriate SCREENSHOTS to validate your lab, one screenshot for EACH part of this lab.

Detailed Instructions

<optional section, not required if using a lab machine>

Install one of the recommended Virtual Machine managers (see list below).

</optional section>  
Once the VM s/w is installed, create a new virtual machine, insert a virtual CD (i.e. an “ISO” file), and boot your virtual machine from CD (or USB if on a USB stick). Take a snapshot of the VM up & running. Next, install your OS to a virtual drive, and take another snapshot. Take a screenshot of your VM management software showing your two saved snapshots and a screenshot of your VM running.

Recommended VM software – choose ONE

* Oracle (Sun) VirtualBox (free, supported in class & in the lab, multi-platform)
* Microsoft VirtualPC (free w/ Dreamspark/MSDNAA)
* VMware Player or VMware Server (free, but limited to 1 snapshot, multi-platform)
* Other, for example: Parallels (Mac), QEMU

Virtual OS – Choose ONE (for now)

To get you started, I recommend that you download an ISO of one of these OSes:

* “Kali Linux” or Backtrack (FYI, we’ll be using this later on in the semester)
* Microsoft OS ($, unless you get it from DreamSpark/MSDNAA). Note: WinXP is no longer available. However Vista, Win7, Win8 are.
* Ubuntu (~800MB)
* LUbuntu - lightweight version of Ubuntu, good for older machines (~700MB)
* Puppy Linux (small, ~100MB)

Background & Resources

See the help pages of your VM manager software.