Assessment – Virus Scanning and Backups

Read the “Tutorial - Virus Scanning and Backups.docx” for more information on completing this template including steps to:

* Create/restore backups,
* Run Anti-Virus software, and
* Remove infected files from an Operating System.

***Complete this document and submit as part of your final assessment. Include screenshots of your work as evidence.***

Contents

[Installing Virtual Box (Optional), installing pre-configured VMs. 2](#_Toc10713436)

[Creating a System Backup 3](#_Toc10713437)

[Using Anti-Virus Software 4](#_Toc10713438)

[Restoring a System Backup 5](#_Toc10713439)

## Installing Virtual Box (Optional), installing pre-configured VMs.

1. Write down the steps taken to install VirtualBox on a host machine. Take screenshots of the process. NOTE: VirtualBox is installed on AIE computers. Only complete this section if VirtualBox is not installed on your device.
2. Describe the process you performed to install pre-configured Virtual Machines into VirtualBox and starting up the VMs.
3. Take screenshots of the process to install Virtual Box & pre-configured VMs.

|  |
| --- |
| Virtual Box already installed on AIE computers. |

## Creating a System Backup

1. Describe the process taken to create a backup on the Virtual Machine.
2. Take screenshots of the process.

|  |
| --- |
| Open the “Backup Tool” from the Administration menu. Select the “Backup Files” option from the menu.    From the “Source” option, select “Other”. Then select the “admintest->Documents” folder. For the “Destination” option, select “Other”. Then select the “admintest->Desktop” folder. Normally you would select a secure server as our backup destination to ensure it remains safe. Will use Desktop purely for testing purposes.    Press the “Forward” button to continue with the Backup wizard. Check you have the following settings then press “Apply” to start the backup. You will receive a message indicating that the backup was successful. |

## Using Anti-Virus Software

1. Describe the process to scan both *CLEAN* and *INFECTED* Virtual Machines with the supplied anti-virus software.
2. Record the names of any infected files found, including pathnames.
3. Quarantine the files.
4. Request confirmation from supervisor.
5. Delete the files from quarantine.
6. Take screenshots of the process of using AV software on Linux Mint.

|  |
| --- |
| Open “ClamTK” application from the Menu. Open the “Settings” menu and enable the “Scan directories recursively” option, so that the scanner will check all sub folders in the selected directory.    From the ClamTK main menu, select the “Scan Directory” option, then select “admintest” folder to commence the scan. Wait for the scan to complete. You should see output indicating that the system is currently clean. Repeat the same steps for the Infected system.  eicar\_com.zip  GDD.txt  Eicar.com    Quarantine these files, request confirmation from supervisor, then delete the infected files from the “History->Quarantine” menu. |

## Restoring a System Backup

1. Describe the process taken to restore a file from a backup on the Virtual Machine.
2. Take screenshots of the process.

|  |
| --- |
| Open the Backup Tool from the Menu. Select the “Restore files” options.  Make sure the “Directory” option is selected. Press the “Source” button and select “Other” location. Navigate to “/home/admintest/Desktop/Game Design Document/”. Press the “Destinantion” button and select “Other” location. Navigate to “/home/admintest/Desktop/Game Design Document/”.    Hit “Forward” to review restore file settings then click “Apply” to complete the restore. Check that the “GDD.txt” file has been restored in the “Documents/Game Design Document” directory. |