03\_Looking at System Performance

Exercise 1:

What is the total CPU usage? 1% 4GHz

What is the total Memory (RAM) in use? 20% 3.3/15.9 GB

Specify how many Apps, Processes and Windows processes are running;

Apps (applications) 3

Background process 73

Windows process 30

Applications running:

Windows Explorer

Task Manager

Microsoft Word (2)

Specifying any background process running:

Windows Shell Experience Host

Publisher: Windows

Specifying any background process running:

Windows Shell Experience Host PIN 740

Windows IP Over USB PC Service-PIN 824

Windows Driver Foundation –PIN 1424

Maximum memory usage:

Xythos Drive (32 bit) 122.5 MB

WMI Provider Host 13.1 MB

WMI Provider Host 2.1 MB

Widows Shell Experience Host 28.6 Mb

Most CPU time:

Task Manger 0.6%

Exercise-2:

Application name:

Notepad

Apps running:

Four (4)

Hard drive location:

C:\Windows\System 32

Ending task:

The window containing the Notepad closes

Exercise-3:

Maximum speed of CPU:

3.60 GHz

Current speed of CPU:

4.07 GHz

Number of cores:

Four (4)

Number of logical processors:

Eight (8)

Number of processes:

74 Background process

29 Windows process

3 Apps (application)

106 Total processes

Exercise-4:

Section of process tab which contains Java(TM)

Common Files

C:\Program Files (x86)\Common Files\Java\Java Up

Using the most CPU:

Task Manager 0.8% CPU

This value means that 0.8% of the total time it takes to process all memory is being used on Task Manager.

Percentage Utilization of CPU:

Four (4%)

Names of logical processors:

CPU

Memory

Disk 0 (C :)

Ethernet

Ethernet

Ethernet

Ethernet

Java.exe is running:

Memory

Processes utilizing CPU:

Microsoft Word (2)

Task manager

Windows Explorer (2)

CPU utilization refers to a computer's usage of processing resources, or the amount of work handled by a CPU. The Microsoft Word (2) uses 0.6% of this meaning it does 0.6% of the work while Task Manager and Windows Explorer use 0.1% of this.

CPU time used by operating system with java running:

Twelve (12%)

More work is required to run the java program, therefore more percentage is used.

Exercise-5:

Total RAM: 16 GB

RAM in use (Compressed): 3.3 GB

Amount of RAM used (Committed): 3.6/18.3 GB

RAM used in System Cache: 4.8 GB

Total memory (physical and virtual) currently in use: 6.9 GB (3.6GB + 3.3 GB)

Total amount of (physical and virtual) currently in available: 27.2 GB (12.5GB + 14.7GB)

Exercise-6:

CPU time used by System Idle Process?

Ninety-nine percent (99%)

Exercise-7:

Percentage of CPU time it is using:

Java Platform (0%)

Exercise-8:

Windows will minimize other apps open.

Exercise-9:

System process: System Idle Process

Description: Percentage of processing time is idle (spent waiting on the user).

Local service:

svc.host.exe

Description: Host process of Windows Services

Network Service: Windows

Description: Sophos System Protection Service

Exercise-10:

High impact process: Adobe Creative Cloud (21)

Process that has a Medium impact on starter time: Apple Push

Process that has Low impact on starter time: AcroTray