Operating Systems Lab Sheet 2

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* The version of Windows 7 on your machine: Windows 7 Enterprise
* The type of processor: Intel Core i7-4770
* The speed of the processor: 3.4GHz
* The amount of RAM: 8.00 GB
* What is the Computer Name on your machine? 1XX3417EBA6BA5A
* What Domain is it a member of? students.ittralee.local
* what type of disk format is used on the C drive? NTFS
* What is the capacity of the C drive? 929GB
* Error-checking = This is used to check your disk drive for file system errors and physical disk damage which can cause unexpected shutdowns or corruption within the software to resolve computer problems and to improve the computer’s work.
* Defragmentation = It is a process that reduces fragmentation where the mass storage device’s contents is physically organised which allows files to be stored into fragments (smallest number of regions touching each other). Therefore, the data and drives can work more properly.
* Backup = It enables you to offer local backup of data as it is important to gain access to your files in case your hard drive crashes or if a virus corrupts the computer. The files are saved you an external hard drive or a shared network location.
* How many partitions are on your machine? 3

For each partition specify the following:

* Volume: Unknown (Disk 0)
* Layout: Simple
* Type: Basic
* File System: Unknown
* Capacity: 996 MB
* Free Space: 996 MB
* Volume: I: (Disk 0)
* Layout: Simple
* Type: Basic
* File System: FAT32
* Capacity: 14.90 GB
* Free Space: 10.12 GB
* Volume: C: (Disk 0)
* Layout: Simple
* Type: Basic
* File System: NTFS
* Capacity: 929.46 GB
* Free Space: 850.17 GB

For the processor and network adapter specify:

Processor

* the device name: Intel(R) Core™ i7-2600
* the name of its manufacturer: Intel
* its current status: Device is working properly
* the driver provider: Microsoft
* the location and name of the driver file: Location = On Microsoft ACPI-Compliant System

Name = C:\Windows\system\DRIVERS\intelppm.sys

Network Adapter

* the device name: Intel® 82579LM Gigabit Network Connection
* the name of its manufacturer: Intel
* its current status: Device is working properly
* the driver provider: Intel
* the location and name of the driver file: Location = PCI bus 0, device 25, function 0

Name = C:\Windows\system32\DRIVERS\e1c62x64.sys

* Click on the Advanced tab of the Network Card Properties. What parameter can change the speed that the NIC operates at? Speed & Duplex