NETWORKING & SYSTEM ADMINISTRATION LAB

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Experiment No.: 2

Aim

Prepare a computer study of specifications of Desktops and Server class computers

Procedure

Desktop Computer Specifications

Minimum Requirements:

We support the following minimum computer configurations.

Note: The following lists minimum requirements that allow for network connectivity and other basic functions. If you are planning on purchasing a new computer, please use the recommended configurations above.

Processor (CPU):	Intel Core i3 (sixth generation or newer) or equivalent
Operating System:	Microsoft Windows 10 x64
Memory:	8 GB RAM
Storage:	500 GB internal storage drive
Monitor/Display:	15" LCD monitor
Other:	802.11ac 2.4/5 GHz wireless adapter

Recommended Configurations:

Recommend systems that meet or exceed the following

specifications:

Processor (CPU):	Intel Core i5 (sixth generation or newer) or equivalent
Operating System:	Microsoft Windows 10 Professional x64
Memory:	16 GB RAM
Storage:	512 GB internal Solid State Drive (SSD) or 1 TB internal HDD
Sustainability	EPEAT Silver rating (preferably EPEAT Gold)
Monitor/Display:	24" LCD monitor
Network Adaptor:	802.11ac 2.4/5 GHz wireless adapter
Other:	Webcam, lock, external drive for backups

Server Class Computer Specification

Minimum System Requirements:

The minimum requirement for a single-computer installation is a computer with the following features:

- A modern multi-core CPU.
- 4 GB dedicated RAM with an extra 1.5 GB RAM for any additional language servers.
- Additional 4 GB of RAM for running the Analytics server.
- 5 GB of free hard disk space in the installation directory.

The hardware requirements for each language server, the Analytics server, and the core server in a distributed installation are the same as for a single-computer installation. These requirements also apply for installations in virtualized environments.

Best Practice System Requirements:

The best practice is to run the language servers on the same machine as the core server. We recommend that you use a computer with the following features:

- A modern multi-core CPU with one CPU core available per service.

- 8 GB dedicated RAM with an extra 4 GB RAM for any additional language servers.
- Additional 8 GB of RAM for running the Analytics server.
- 20 GB of free hard disk space in the installation directory.

Software Requirements

The Core Platform or its components (core server, language servers) require a computer with a supported operating system. The Core Platform requires a compatible web browser and the Java Development Kit (JDK). You can either use Oracle Java SE 8 JDK x64 or IBM Java 8 SDK 64-bit.