MarauderOS User's Manual

CS 450: Operating Systems Structure

Authors: *Ian Jackson*, *Nathan Mullins*, *Grant Stumpf*, *Riley Stauffer*

Contents

1 Commands

The MarauderOS provides a handful of commands to see and set information. The detailed description for each of the supported commands can be seen below.

1.1 `version`

The `version` command in MarauderOS serves as a handy tool for users seeking to gain insights into the current state of the operating system. When executed, this command displays the version on the command line, including the OS's major and minor version numbers, along with the date it was compiled. The major version number signifies the milestone the OS is on. The minor version number signifies the number of features and smaller enhancements that have been incorporated since the last major release.

Usage

The `version` command take in no parameters. An example usage of the command can be seen below in Figure 1.

```
  __   __                                 _                          ____    _____
 |  \/  |                               | |                        / __ \  / ____|
 | |\/| |  __ _  _ __  __ _  _   _   __| |  ___  _ __  ___   _    | |  | || (___
 | |  | | / _` || '__|/ _` || | | | / _` | / _ \| '__|/ _ \ (_)   | |  | | \___ \
 | |  | || (_| || |  | (_| || |_| || (_| ||  __/| |  | (_) |  _   | |__| | ____) |
 |_|  |_| \__,_||_|   \__,_| \__,_| \__,_| \___||_|   \___/  (_)   \____/ |_____/
```

```
Welcome to MarauderOS | Use 'help' command to see list of commands
[> version
v1.9 last compiled on 09-08-23
> ▉
```

Figure 1: Example Usage of the `version` Command

1.2 `shutdown`

The `shutdown` command within MarauderOS serves as a way to halt the operating system's operations swiftly. When this command is executed, it initiates an immediate and controlled shutdown of the OS without saving or preserving its current state. Its primary function

is to bring the OS to a complete stop, ensuring a clean and efficient termination of all running processes, thus maintaining system stability and reliability.

1.3 `getdate`

1.4 `setdate`

1.5 `gettime`

1.6 `settime`