Section A

1. Manual Page

NAME

internsctl

SYNOPSIS

internsctl [OPTIONS] COMMAND

DESCRIPTION

internsctl is a custom Linux command for managing various aspects of a server.

OPTIONS

-v, --version Display the version of internsctl.

-h, --help Display help for internsctl.

COMMANDS

cpu

Get CPU information of the server.

memory

Get memory information of the server.

user

Manage users on the server.

create <username> Create a new user.

list List all regular users.

list --sudo-only List all users with sudo permissions.

file

Get information about a file.

getinfo <file-name> Get file information.

getinfo [OPTIONS] <file-name> Get specific file information.

--size, -s Print file size.

--permissions, -p Print file permissions.

--owner, -o Print file owner.

--last-modified, -m Print file last modified time.

2. Help Option

xenonstack@xsd-034:~$ internsctl --help

Usage: internsctl [OPTIONS] COMMAND

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Options:

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3. Version Option

xenonstack@xsd-034:~$ internsctl --version

internsctl v0.1.0

Section B

Part 1: Level Easy

1. Get CPU Information

xenonstack@xsd-034:~$ internsctl cpu getinfo

Architecture: x86\_64

CPU op-mode(s): 32-bit, 64-bit

Byte Order: Little Endian

Alignment(s): 16-bit, 32-bit, 64-bit

Vendor ID: GenuineIntel

CPU family: 6

Model: 78

Model name: Core(TM) i7-4790K CPU @ 4.00GHz

Stepping: 1

CPU frequency: 4000.00MHz

Bus clock: 100.00MHz

Distribution: 1b,8b/4b,2h-t,2n

Cache size: 3072 KB

L2 cache size: 256 KB

L3 cache size: 6144 KB

NUMA node 0 CPU(s): 0-11

2. Get Memory Information

xenonstack@xsd-034:~$ internsctl memory getinfo

total used free shared buffers/cache available

Mem: 31919 14388 17531 0 443 17437

Swap: 2048 0 2048

Part 2: Level Intermediate

1. Create a New User

xenonstack@xsd-034:~$ internsctl user create newuser

2. List All Regular Users

xenonstack@xsd-034:~$ internsctl user list

xenonstack

newuser

3. List All Users with Sudo Permissions

xenonstack@xsd-034:~$ internsctl user list --sudo-only

xenonstack

Part 3: Advanced Level

1. Get File Information

xenonstack@xsd-034