

```
user@user-VirtualBox:~$ curl -k -i -X POST https://10.0.2.15/api/users
HTTP/1.1 401 Unauthorized
Server: nginx/1.24.0 (Ubuntu)
Date: Sat, 14 Feb 2026 00:21:42 GMT
Content-Type: application/json; charset=utf-8
Content-Length: 24
Connection: keep-alive
WWW-Authenticate: Basic realm="api"
```

```
/api/users
HTTP/1.1 200 OK
Server: nginx/1.24.0 (Ubuntu)
Date: Sat, 14 Feb 2026 00:22:32 GMT
Content-Type: application/json; charset=utf-8
Content-Length: 759
Connection: keep-alive

[{"0": "root", "1": "daemon", "2": "bin", "3": "sys", "4": "sync", "5": "games", "6": "man", "7": "lp", "8": "mail", "9": "news", "10": "uucp", "11": "nntp", "12": "proxy", "13": "kmem", "14": "dialout", "15": "fax", "16": "voice", "17": "cdrom", "18": "floppy", "19": "tape", "20": "sudo", "21": "audio", "22": "dip", "23": "www-data", "24": "backup", "25": "operator", "26": "list", "27": "irc", "28": "src", "29": "shadow", "30": "utmp", "31": "video", "32": "asl", "33": "plugdev", "34": "staff", "35": "games", "36": "users", "37": "nogroup", "38": "systemd-journal", "39": "systemd-network", "40": "crontab", "41": "systemd-timesync", "42": "input", "43": "sqx", "44": "kvm", "45": "render", "46": "messagebus", "47": "syslog", "48": "systemd-resolve", "49": "uuid", "50": "ssh", "51": "tss", "52": "ssl-cert", "53": "systemd-oom", "54": "bluetooth", "55": "rdma", "56": "whoopsie", "57": "netdev", "58": "avahi", "59": "tcpdump", "60": "sssd", "61": "lpadmin", "62": "fwupd-refresh", "63": "scanner", "64": "saned", "65": "geoclue", "66": "pipewire", "67": "gnome-remote-desktop", "68": "polkitd", "69": "rtkit", "70": "colord", "71": "gdm", "72": "nm-openvpn", "73": "lxde", "74": "gamenode", "75": "gnome-initial-setup", "76": "user", "77": "Debian-snmp"}]user@user-VirtualBox:~$
```

```
user@user-VirtualBox:~$ curl -k -i -u test:abcABC123456 -X POST https://10.0.2.15/api/groups
HTTP/1.1 200 OK
Server: nginx/1.24.0 (Ubuntu)
Date: Sat, 14 Feb 2026 00:23:24 GMT
Content-Type: application/json; charset=utf-8
Content-Length: 1107
Connection: keep-alive

[{"0": "root", "1": "daemon", "2": "bin", "3": "sys", "4": "adm", "5": "tty", "6": "disk", "7": "lp", "8": "mail", "9": "news", "10": "uucp", "11": "nntp", "12": "proxy", "13": "kmem", "14": "dialout", "15": "fax", "16": "voice", "17": "cdrom", "18": "floppy", "19": "tape", "20": "sudo", "21": "audio", "22": "dip", "23": "www-data", "24": "backup", "25": "operator", "26": "list", "27": "irc", "28": "src", "29": "shadow", "30": "utmp", "31": "video", "32": "asl", "33": "plugdev", "34": "staff", "35": "games", "36": "users", "37": "nogroup", "38": "systemd-journal", "39": "systemd-network", "40": "crontab", "41": "systemd-timesync", "42": "input", "43": "sqx", "44": "kvm", "45": "render", "46": "messagebus", "47": "syslog", "48": "systemd-resolve", "49": "uuid", "50": "ssh", "51": "tss", "52": "ssl-cert", "53": "systemd-oom", "54": "bluetooth", "55": "rdma", "56": "whoopsie", "57": "netdev", "58": "avahi", "59": "tcpdump", "60": "sssd", "61": "lpadmin", "62": "fwupd-refresh", "63": "scanner", "64": "saned", "65": "geoclue", "66": "pipewire", "67": "gnome-remote-desktop", "68": "polkitd", "69": "rtkit", "70": "colord", "71": "gdm", "72": "nm-openvpn", "73": "lxde", "74": "gamenode", "75": "gnome-initial-setup", "76": "user", "77": "Debian-snmp"}]user@user-VirtualBox:~$
```

```
user@user-VirtualBox:~/cpsc222/cpsc-222$ pwd
ls -la
git config --lis
/home/user/cpsc222/cpsc-222
total 36
drwxrwxr-x 6 user user 4096 Feb 13 19:47 .
drwxrwxr-x 3 user user 4096 Jan 16 15:45 ..
drwxrwxr-x 8 user user 4096 Feb 8 12:00 .git
drwxrwxr-x 2 user user 4096 Feb 13 19:47 nginx
drwxrwxr-x 2 user user 4096 Feb 8 11:59 python-api
-rw-rw-r-- 1 user user 28 Jan 28 21:00 README.md
-rw-rw-r-- 1 user user 133 Jan 28 20:54 snmpd.conf
-rw-rw-r-- 1 user user 325 Jan 28 20:54 sudo_count.pl
drwxrwxr-x 2 user user 4096 Feb 13 19:47 systemd
user.email=marcus.amerine30@gmail.com
user.name=Marcus
credential.helper=store
core.repositoryformatversion=0
core.filemode=true
core.bare=false
core.logallrefupdates=true
remote.origin.url=https://mamerine2@github.com/mamerine2/cpsc-222.git
remote.origin.fetch=+refs/heads/*:refs/remotes/origin/*
branch.main.remote=origin
branch.main.merge=refs/heads/main
user@user-VirtualBox:~/cpsc222/cpsc-222$
```