

# Server Hardware

NewAddSettingsDiscardStart

General

Name:Ubuntu Server - Web Server

Operating System:Ubuntu (64-bit)

System

Base Memory:2048 MB

Root Order:Optical, Hard Disk

Acceleration:Nested Paging, KVM Paravirtualization

Display

Video Memory:128 MB

Graphics Controller:VMSVGA

Remote Desktop Server:Disabled

Recording:Disabled

Storage

Controller:IDE

IDE Secondary Device 0:[Optical Drive] ubuntu-22.04.2-live-server-amd64.iso (1.84 GB)

Controller:SATA

SATA Port 0:Ubuntu Server - Web Server.vdi (Normal, 15.00 GB)

Audio

Disabled

Network

Adapter 1: Intel PRO/1000 MT Desktop (Bridged Adapter, Realtek PCIe GbE Family Controller)

USB

USB Controller:OHCI, EHCI

Device Filters:0 (0 active)

Shared folders

None

Description

hostname:Webserver

username:aaronmlarsen

password:fun555

Preview

Ubuntu Server - Web Server

# Login Screens

1 / 5

```

Starting Execute cloud user/final scripts...
Starting Record Runlevel Change in UTMF...
[ OK ] Finished Record Runlevel Change in UTMF.
[ 16.642950] cloud-init[1291]: Cloud-init v. 23.1.2-0ubuntu0~22.04.1 running 'modules:final' at Mon, 08 May 2023 19:34:12 +0000. Up 16.59 seconds.
ci-info: no authorized SSH keys fingerprints found for user aaronmlarsen.
<14>May  8 19:34:12 cloud-init: #####
<14>May  8 19:34:12 cloud-init: -----BEGIN SSH HOST KEY FINGERPRINTS-----
<14>May  8 19:34:12 cloud-init: 1024 SHA256:qSVpNbV+u/YaUAFm3heInG6obkHSPSvI9gXWN0Whn7o root@webserver (DSA)
<14>May  8 19:34:12 cloud-init: 256 SHA256:RxVTie9ZuI5B6ELnnt5sZKMsjcLjzwpDUZ0BStW0/Kc root@webserver (ECDSA)
<14>May  8 19:34:12 cloud-init: 256 SHA256:B80UTm1GnUHXHhZsI2d1zE/H46iXwpJCfWuhJny1GHU root@webserver (ED25519)
<14>May  8 19:34:12 cloud-init: 3072 SHA256:L+/awW5PAyeGG0X00H1U8CuA9CyeTLL70gOKvCW2ddw root@webserver (RSA)
<14>May  8 19:34:12 cloud-init: -----END SSH HOST KEY FINGERPRINTS-----
<14>May  8 19:34:12 cloud-init: #####
-----BEGIN SSH HOST KEY KEYS-----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBJUVx75N0v6UKGhaiPqudmB+wNEG3HJNo6BGhDAYs19RoLGojd4RJj+FeqQVzG1nHhmgdPwmYwXzX7Rn2rusPo= root@webserver
ssh-ed25519 AAAAC3NzaC1lZDI1NTE5AAAAILbv17gfHJCit53mV6pQqKCL0So5FTko2zLTBPFD09tX root@webserver
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAQGCdxd+9bLBcbzLKfVilHegf+teyQHnwidRFuWLL7t81G/uh+ThGIDfuV3CD7/OMRpmJHCkeemd+d8+oMjPv7Zv+NpXx+4UQ57xXN051um7BZLW2F6JePw34dGcXuS1YjwQ8kH1F×W8soHx5phWrXVbZrGXGCNaS2emDr/t1Tz3y7z8kGj9wndWkQ1w60LZ+pNy+hrLZFdFe/Ya3866Lr24uejR0tU9IqXVvKKTuBRW3dsh+7KBZjnV5FdbGcHODF1GTfEL17n2sH/88U+d44av60LJz8UdRH5fwRWgQomvheFWw6iLQN11HQ+51hhoBX+JyApnoSkakfhV2so2L54Bh0FYpZngSWck59EhcItL3+RAqg3vLuuTTosSQyWKhKJcrXd/cm4V08HGALrxd073PMW+jpspd6hOcmNnTAc2qV11yJ4Jbm7iu2gQKHA6HmGV199VX0SaZsh+Q10e1+0vuL1/KmnlG5wu10dNU1YH3BhAkDG6YrR20mkuz228azoIU= root@webserver
-----END SSH HOST KEY KEYS-----
[ 16.715096] cloud-init[1291]: Cloud-init v. 23.1.2-0ubuntu0~22.04.1 finished at Mon, 08 May 2023 19:34:12 +0000. DataSource DataSourceNone. Up 16.71 seconds
[ 16.716288] cloud-init[1291]: 2023-05-08 19:34:12,875 - cc_final_message.py[WARNING]: Used fallback datasource
[ OK ] Finished Execute cloud user/final scripts.
[ OK ] Reached target Cloud-init target.

webserver login:

```

```

webserver login: aaronmlarsen
Password:
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-71-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Mon May  8 07:36:28 PM UTC 2023

System load:  0.03564453125      Processes:           105
Usage of /:   46.8% of 9.75GB    Users logged in:     0
Memory usage: 11%               IPv4 address for enp0s3: 192.168.1.240
Swap usage:   0%

Expanded Security Maintenance for Applications is not enabled.

43 updates can be applied immediately.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

The programs included with the Ubuntu system are free software;
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.

To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

aaronmlarsen@webserver:~$

```

## Connecting to Ubuntu Server

```
amlarsen@CIS106:~/ssh$ ssh aaronmlarsen@192.168.1.240
The authenticity of host '192.168.1.240 (192.168.1.240)' can't be established.
ED25519 key fingerprint is SHA256:B80UTmlGnUHXHhZsI2dlzE/H46iXwpJCfWuhJnylGHU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '192.168.1.240' (ED25519) to the list of known hosts.
aaronmlarsen@192.168.1.240's password:
Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.15.0-71-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Tue May  9 06:09:10 PM UTC 2023

System load:  0.02099609375      Processes:            111
Usage of /:   47.8% of 9.75GB    Users logged in:     1
Memory usage: 11%               IPv4 address for enp0s3: 192.168.1.240
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

0 updates can be applied immediately.

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
```

## Screenshot of systems

```
aaronmlarsen@webserver:~$ systemctl status apache2 --no-pager
• apache2.service - The Apache HTTP Server
  Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
  Active: active (running) since Mon 2023-05-08 19:43:20 UTC; 4h 33min ago
  Docs: https://httpd.apache.org/docs/2.4/
  Main PID: 14583 (apache2)
  Tasks: 55 (limit: 2234)
  Memory: 5.0M
  CPU: 96ms
  CGroup: /system.slice/apache2.service
          └─14583 /usr/sbin/apache2 -k start
            └─14585 /usr/sbin/apache2 -k start
              └─14586 /usr/sbin/apache2 -k start

May 08 19:43:20 webserver systemd[1]: Starting The Apache HTTP Server...
May 08 19:43:20 webserver apachectl[14582]: AH00558: apache2: Could not reliably determine the...ssage
May 08 19:43:20 webserver systemd[1]: Started The Apache HTTP Server.
Hint: Some lines were ellipsized, use -l to show in full.
aaronmlarsen@webserver:~$
```

```
aaronmlarsen@webserver:~$ systemctl status ssh --no-pager
• ssh.service - OpenBSD Secure Shell server
  Loaded: loaded (/lib/systemd/system/ssh.service; enabled; vendor preset: enabled)
  Active: active (running) since Mon 2023-05-08 19:42:50 UTC; 4h 35min ago
  Docs: man:sshd(8)
        man:sshd_config(5)
  Main PID: 13944 (sshd)
  Tasks: 1 (limit: 2234)
  Memory: 2.2M
  CPU: 11ms
  CGroup: /system.slice/ssh.service
          └─13944 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"

May 08 19:42:50 webserver systemd[1]: ssh.service: Deactivated successfully.
May 08 19:42:50 webserver systemd[1]: Stopped OpenBSD Secure Shell server.
May 08 19:42:50 webserver systemd[1]: Starting OpenBSD Secure Shell server...
May 08 19:42:50 webserver sshd[13944]: Server listening on 0.0.0.0 port 22.
May 08 19:42:50 webserver sshd[13944]: Server listening on :: port 22.
May 08 19:42:50 webserver systemd[1]: Started OpenBSD Secure Shell server.
aaronmlarsen@webserver:~$ _
```

```
aaronmlarsen@webserver:~$ systemctl status ufw --no-pager
• ufw.service - Uncomplicated firewall
  Loaded: loaded (/lib/systemd/system/ufw.service; enabled; vendor preset: enabled)
  Active: active (exited) since Tue 2023-05-09 18:05:06 UTC; 16min ago
  Docs: man:ufw(8)
  Process: 577 ExecStart=/lib/ufw/ufw-init start quiet (code=exited, status=0/SUCCESS)
  Main PID: 577 (code=exited, status=0/SUCCESS)
  CPU: 29ms

May 09 18:05:05 webserver systemd[1]: Starting Uncomplicated firewall...
May 09 18:05:06 webserver systemd[1]: Finished Uncomplicated firewall.
aaronmlarsen@webserver:~$
```

## Website Results

