

Login to Ec2 machine using CLI

```
CloudShell
AWS CloudShell
us-east-1

myscripts $ ssh -i my-ec2-key.pem ec2-user@107.21.135.117
The authenticity of host '107.21.135.117 (107.21.135.117)' can't be established.
ED25519 key fingerprint is SHA256:IH8Nt7BxGHIInGojFBfkEU7b1x00TCu40IP08HokY5Eg.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '107.21.135.117' (ED25519) to the list of known hosts.

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Amazon Linux 2 AMI

https://aws.amazon.com/amazon-linux-2/
54 package(s) needed for security, out of 97 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-20-183 ~]$
```

- Create User

```
[ec2-user@ip-172-31-20-183 ~]$ sudo adduser cloudops
adduser: warning: the home directory already exists.
Not copying any file from skel directory into it.
Creating mailbox file: File exists
[ec2-user@ip-172-31-20-183 ~]$ sudo passwd cloudops
Changing password for user cloudops.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-172-31-20-183 ~]$ sudo usermod -aG wheel cloudops
[ec2-user@ip-172-31-20-183 ~]$ sudo mkdir /home/cloudops/.ssh
[ec2-user@ip-172-31-20-183 ~]$ sudo cp ~/.ssh/authorized_keys /home/cloudops/.ssh/
[ec2-user@ip-172-31-20-183 ~]$ sudo chown -R cloudops:cloudops /home/cloudops/.ssh
[ec2-user@ip-172-31-20-183 ~]$
```

- Setup a Simple Web Server

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Installing : mailcap-2.1.41-2.amzn2.noarch 6/9
Installing : httpdfilesystem-2.4.45-1.amzn2.0.2.x86_64 7/9
Installing : mod_http2-1.15.19-1.amzn2.0.2.x86_64 8/9
Installing : httpd-2.4.45-1.amzn2.0.2.x86_64 9/9
Verifying : apr-1.7.2-3.amzn2.0.1.x86_64 1/9
Verifying : apr-util-bdb-1.6.3-1.amzn2.0.1.x86_64 2/9
Verifying : httpdfilesystem-2.4.45-1.amzn2.0.2.noarch 3/9
Verifying : httpd-tools-2.4.45-1.amzn2.0.2.x86_64 4/9
Verifying : mod_http2-1.15.19-1.amzn2.0.2.x86_64 5/9
Verifying : apr-util-1.6.3-1.amzn2.0.1.x86_64 6/9
Verifying : mailcap-2.1.41-2.amzn2.noarch 7/9
Verifying : generic-logos-httpd-18-0.8-4.amzn2.noarch 8/9
Verifying : httpd-2.4.45-1.amzn2.0.2.x86_64 9/9

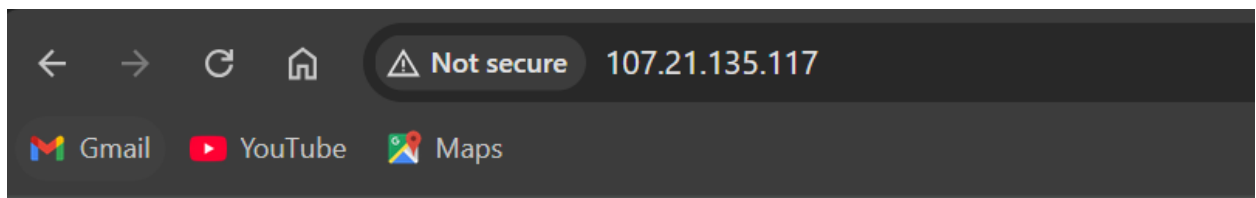
Installed:
httpd.x86_64 0:2.4.45-1.amzn2.0.2

Dependency Installed:
apr.x86_64 0:1.7.2-3.amzn2.0.1 apr-util-bdb.x86_64 0:1.6.3-1.amzn2.0.1 generic-logos-httpd.noarch 0:18.0.8-4.amzn2 httpdfilesystem.noarch 0:2.4.45-1.amzn2.0.2 httpd-tools.x86_64 0:2.4.45-1.amzn2.0.2 mailcap.noarch 0:2.1.41-2.amzn2
mod_http2.x86_64 0:1.15.19-1.amzn2.0.2

complete!
ec2-user@ip-172-31-20-183 ~]$ sudo systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
ec2-user@ip-172-31-20-183 ~]$ sudo systemctl start httpd
ec2-user@ip-172-31-20-183 ~]$
```

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[ec2-user@ip-172-31-20-183 ~]$ sudo systemctl enable httpd
Created symlink from /etc/systemd/system/multi-user.target.wants/httpd.service to /usr/lib/systemd/system/httpd.service.
[ec2-user@ip-172-31-20-183 ~]$ sudo systemctl start httpd
[ec2-user@ip-172-31-20-183 ~]$ echo "<h1>Welcome to my EC2 Web Server!</h1>" | sudo tee /var/www/html/index.html
-bash: !: event not found
[ec2-user@ip-172-31-20-183 ~]$ sudo yum install -y httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package httpd-2.4.65-1.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-20-183 ~]$ sudo yum install -y httpd
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
Package httpd-2.4.65-1.amzn2.0.2.x86_64 already installed and latest version
Nothing to do
[ec2-user@ip-172-31-20-183 ~]$ sudo sh -c 'echo "<h1>Welcome to my EC2 Web Server!</h1>" > /var/www/html/index.html'
[ec2-user@ip-172-31-20-183 ~]$ sudo systemctl status httpd
• httpd.service - The Apache HTTP Server
  Loaded: loaded (/usr/lib/systemd/system/httpd.service; enabled; vendor preset: disabled)
  Active: active (running) since Tue 2025-11-04 10:03:33 UTC; 5min ago
  Docs: man:httpd.service(8)
  Main PID: 7701 (httpd)
  Status: "Total requests: 0; Idle/Busy workers 100/0;Requests/sec: 0; Bytes served/sec: 0 B/sec"
  CGroup: /system.slice/httpd.service
          └─7701 /usr/sbin/httpd -DFOREGROUND
             └─7702 /usr/sbin/httpd -DFOREGROUND
                └─7703 /usr/sbin/httpd -DFOREGROUND
                   └─7704 /usr/sbin/httpd -DFOREGROUND
                      └─7705 /usr/sbin/httpd -DFOREGROUND
                         └─7706 /usr/sbin/httpd -DFOREGROUND
```



Welcome to my EC2 Web Server!