

Login to Ec2 machine using CLI

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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:IH8Nt7BxGHIn6oJBFBfkEU7b1x00TCu40IP08HokY5Eg.
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
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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 clouddops
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 clouddops
Changing password for user clouddops.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
[ec2-user@ip-172-31-20-183 ~]$ sudo usermod -aG wheel clouddops
[ec2-user@ip-172-31-20-183 ~]$ sudo mkdir /home/clouddops/.ssh
[ec2-user@ip-172-31-20-183 ~]$ sudo cp ~/.ssh/authorized_keys /home/clouddops/.ssh/
[ec2-user@ip-172-31-20-183 ~]$ sudo chown -R clouddops:clouddops /home/clouddops/.ssh
[ec2-user@ip-172-31-20-183 ~]$ █
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- Setup a Simple Web Server

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Installing : mailcap-2.1.41-2.amzn2.noarch
Installing : httpd-fsindex-2.4.6-1.amzn2.x86_64
Installing : mod_http2-1.15.19-1.amzn2.x86_64
Installing : apr-util-libs-1.6.3-1.amzn2.x86_64
Verifying : apr-1.7.2-1.amzn2.x86_64
Verifying : apr-util-libs-1.6.3-1.amzn2.x86_64
Verifying : httpd-tools-2.4.65-1.amzn2.x86_64
Verifying : mod_http2-1.15.19-1.amzn2.x86_64
Verifying : mod_mpm_prefork-2.4.65-1.amzn2.x86_64
Verifying : mailcap-2.1.41-2.amzn2.noarch
Verifying : generic-logs-httd-18.0.0-4.amzn2.noarch
Verifying : httpd-2.4.65-1.amzn2.x86_64

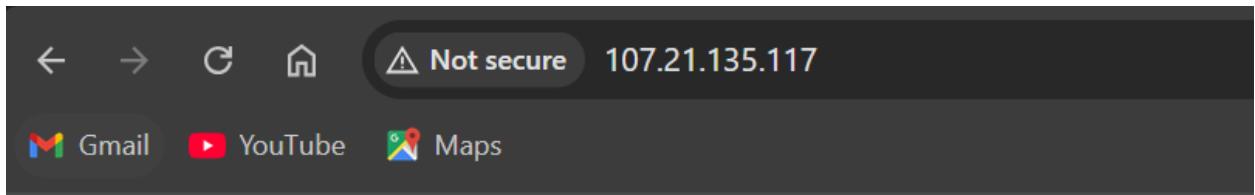
Installed:
httpd-18.0.0-4.amzn2.x86_64
apr-1.7.2-1.amzn2.x86_64
apr-util-1.6.3-1.amzn2.x86_64
apr-util-libs-1.6.3-1.amzn2.x86_64
httpd-fsindex-2.4.6-1.amzn2.x86_64
mod_http2-1.15.19-1.amzn2.x86_64
mailcap-2.1.41-2.amzn2.noarch
generic-logs-httd-18.0.0-4.amzn2.noarch
httpd-tools-2.4.65-1.amzn2.x86_64
mod_mpm_prefork-2.4.65-1.amzn2.x86_64
mailcap.noarch-0.2.0
httpd.noarch-0.2.0

Complete!
root@ip-172-31-29-183 ~]# sudo systemctl enable httpd
[sudo] password for root: 
root@ip-172-31-29-183 ~]# sudo systemctl start httpd.service
root@ip-172-31-29-183 ~]#
```

CloudShell

us-east-1 +

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[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!