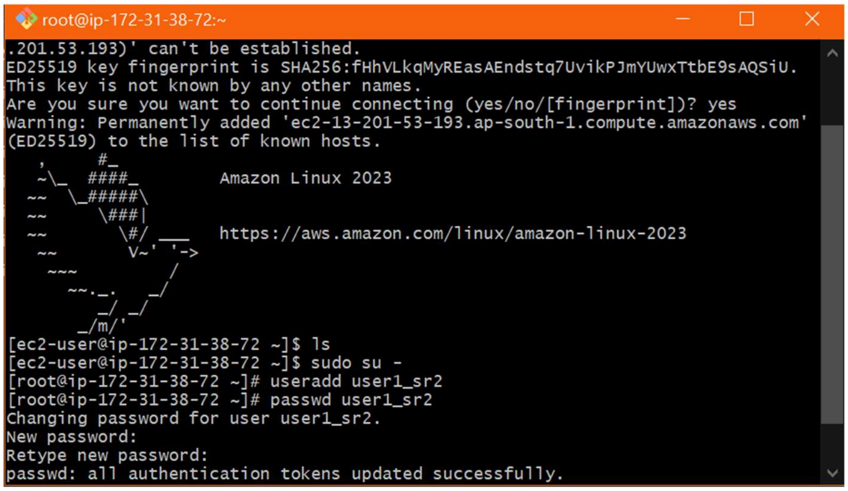
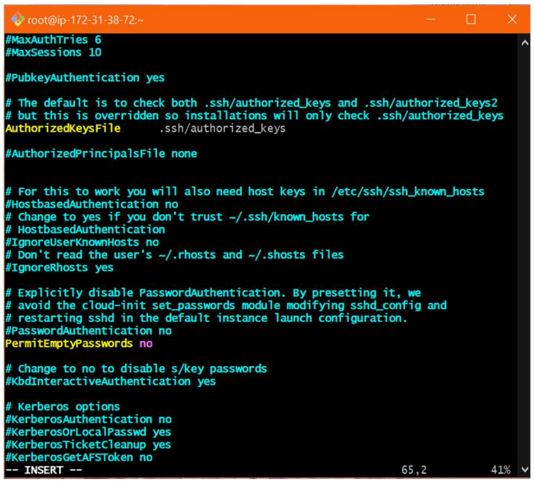
ASSIGNMENT

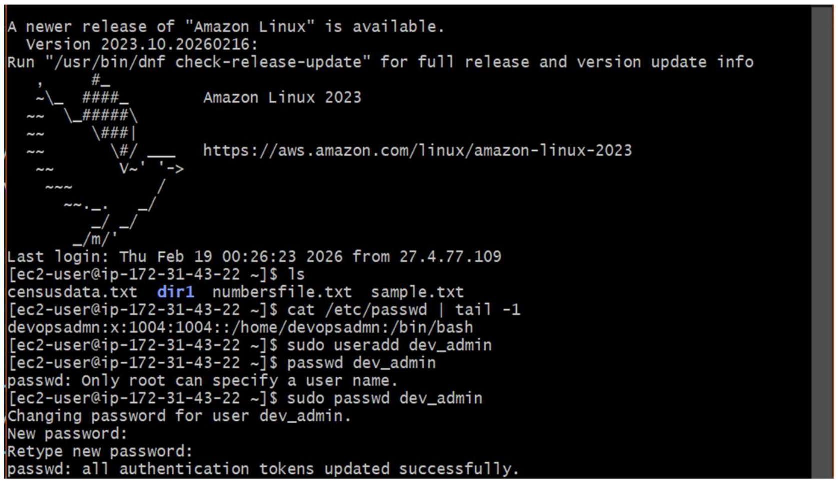
1. create another ec2 instance, create user with password in both servers
2. ensure password authentication is enabled in both servers (enable in the /etc/ssh/sshd_config file)



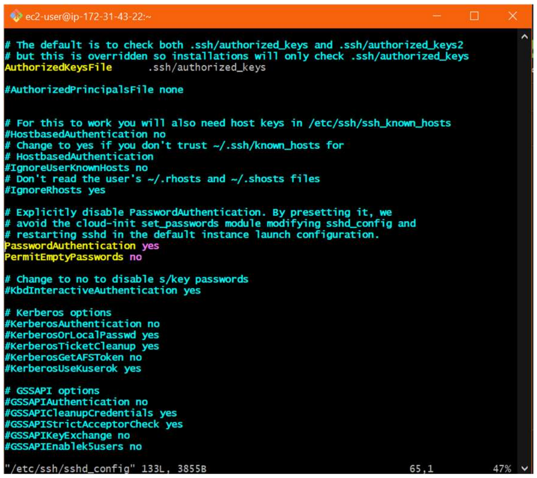
```
.201.53.193)' can't be established.
ED25519 key fingerprint is SHA256:fHhVLkqMyREasAEndstq7UvikPJmYUwxTtbE9sAQSiU.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added 'ec2-13-201-53-193.ap-south-1.compute.amazonaws.com'
(ED25519) to the list of known hosts.
   ,     #_
   ~\_  ####_        Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
[ec2-user@ip-172-31-38-72 ~]$ ls
[ec2-user@ip-172-31-38-72 ~]$ sudo su -
[root@ip-172-31-38-72 ~]# useradd user1_sr2
[root@ip-172-31-38-72 ~]# passwd user1_sr2
Changing password for user user1_sr2.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
```



```
#MaxAuthTries 6
#MaxSessions 10

#PubkeyAuthentication yes

# The default is to check both .ssh/authorized_keys and .ssh/authorized_keys2
# but this is overridden so installations will only check .ssh/authorized_keys
AuthorizedKeysFile      .ssh/authorized_keys

#AuthorizedPrincipalsFile none


# For this to work you will also need host keys in /etc/ssh/ssh_known_hosts
#HostbasedAuthentication no
# Change to yes if you don't trust ~/.ssh/known_hosts for
# HostbasedAuthentication
#IgnoreUserKnownHosts no
# Don't read the user's ~/.rhosts and ~/.shosts files
#IgnoreRhosts yes

# Explicitly disable PasswordAuthentication. By presetting it, we
# avoid the cloud-init set_passwords module modifying sshd_config and
# restarting sshd in the default instance launch configuration.
#PasswordAuthentication no
PermitEmptyPasswords no

# Change to no to disable s/key passwords
#KbdInteractiveAuthentication yes

# Kerberos options
#KerberosAuthentication no
#KerberosOrLocalPasswd yes
#KerberosTicketCleanup yes
#KerberosGetAFSToken no
-- INSERT --                                                  65,2          41%
```

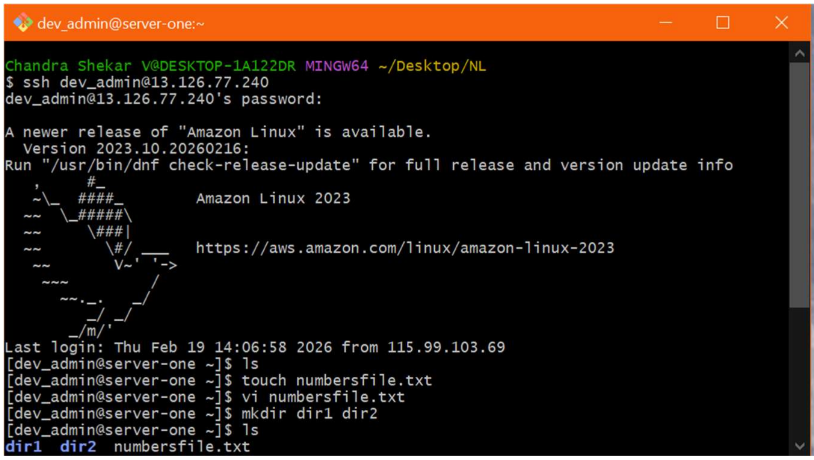


```
A newer release of "Amazon Linux" is available.
  Version 2023.10.20260216:
Run "/usr/bin/dnf check-release-update" for full release and version update info
   ,     #_
   ~\_  ####_        Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
Last login: Thu Feb 19 00:26:23 2026 from 27.4.77.109
[ec2-user@ip-172-31-43-22 ~]$ ls
censusdata.txt  dir1  numbersfile.txt  sample.txt
[ec2-user@ip-172-31-43-22 ~]$ cat /etc/passwd | tail -1
devopsadmn:x:1004:1004::/home/devopsadmn:/bin/bash
[ec2-user@ip-172-31-43-22 ~]$ sudo useradd dev_admin
[ec2-user@ip-172-31-43-22 ~]$ passwd dev_admin
passwd: Only root can specify a user name.
[ec2-user@ip-172-31-43-22 ~]$ sudo passwd dev_admin
Changing password for user dev_admin.
New password:
Retype new password:
passwd: all authentication tokens updated successfully.
```

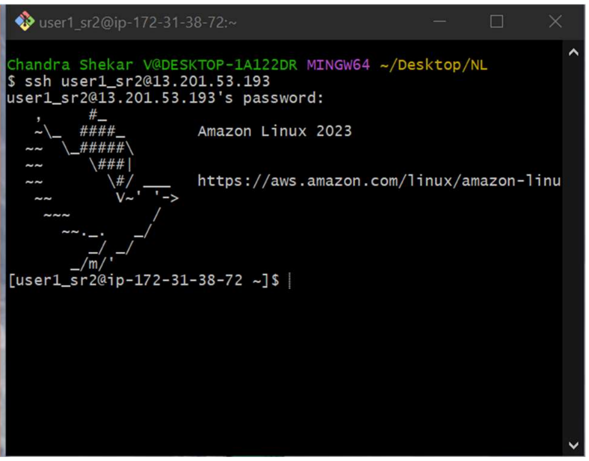


```
# The default is to check both .ssh/authorized_keys and .ssh/authorized_keys2
# but this is overridden so installations will only check .ssh/authorized_keys
AuthorizedKeysFile      .ssh/authorized_keys

#AuthorizedPrincipalsFile none


# For this to work you will also need host keys in /etc/ssh/ssh_known_hosts
#HostbasedAuthentication no
# Change to yes if you don't trust ~/.ssh/known_hosts for
# HostbasedAuthentication
#IgnoreUserKnownHosts no
# Don't read the user's ~/.rhosts and ~/.shosts files
#IgnoreRhosts yes

# Explicitly disable PasswordAuthentication. By presetting it, we
# avoid the cloud-init set_passwords module modifying sshd_config and
# restarting sshd in the default instance launch configuration.
PasswordAuthentication yes
PermitEmptyPasswords no

# Change to no to disable s/key passwords
#KbdInteractiveAuthentication yes

# Kerberos options
#KerberosAuthentication no
#KerberosOrLocalPasswd yes
#KerberosTicketCleanup yes
#KerberosGetAFSToken no
#KerberosUseKuserok yes

# GSSAPI options
#GSSAPIAuthentication no
#GSSAPICleanupCredentials yes
#GSSAPIStrictAcceptorCheck yes
#GSSAPIKeyExchange no
#GSSAPIEnablek5users no

"/etc/ssh/sshd_config" 133L, 3855B                            65,1          47%
```

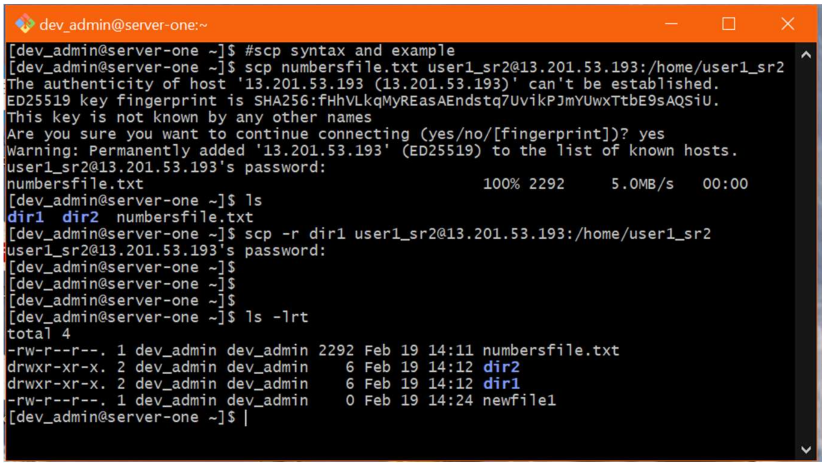
Below is scp command example



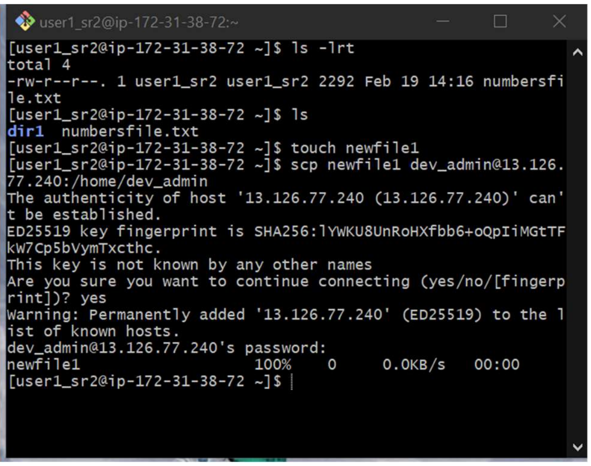
```
Chandra Shekar V@DESKTOP-1A122DR MINGW64 ~/Desktop/NL
$ ssh dev_admin@13.126.77.240
dev_admin@13.126.77.240's password:

A newer release of "Amazon Linux" is available.
  Version 2023.10.20260216:
Run "/usr/bin/dnf check-release-update" for full release and version update info
   ,     #_
   ~\_  ####_        Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linux-2023
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
Last login: Thu Feb 19 14:06:58 2026 from 115.99.103.69
[dev_admin@server-one ~]$ ls
[dev_admin@server-one ~]$ touch numbersfile.txt
[dev_admin@server-one ~]$ vi numbersfile.txt
[dev_admin@server-one ~]$ mkdir dir1 dir2
[dev_admin@server-one ~]$ ls
dir1  dir2  numbersfile.txt
```



```
Chandra Shekar V@DESKTOP-1A122DR MINGW64 ~/Desktop/NL
$ ssh user1_sr2@13.201.53.193
user1_sr2@13.201.53.193's password:
   ,     #_
   ~\_  ####_        Amazon Linux 2023
  ~~  \_#####\
  ~~     \###|
  ~~       \#/ ___   https://aws.amazon.com/linux/amazon-linu
   ~~       V~' '->
    ~~~         /
      ~~._.   _/
         _/ _/
       _/m/'
[user1_sr2@ip-172-31-38-72 ~]$ |
```



```
[dev_admin@server-one ~]$ #scp syntax and example
[dev_admin@server-one ~]$ scp numbersfile.txt user1_sr2@13.201.53.193:/home/user1_sr2
The authenticity of host '13.201.53.193 (13.201.53.193)' can't be established.
ED25519 key fingerprint is SHA256:fHhVLkqMyREasAEndstq7UvikPJmYUwxTtbE9sAQSiU.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '13.201.53.193' (ED25519) to the list of known hosts.
user1_sr2@13.201.53.193's password:
numbersfile.txt                                   100% 2292     5.0MB/s   00:00
[dev_admin@server-one ~]$ ls
dir1  dir2  numbersfile.txt
[dev_admin@server-one ~]$ scp -r dir1 user1_sr2@13.201.53.193:/home/user1_sr2
user1_sr2@13.201.53.193's password:
[dev_admin@server-one ~]$
[dev_admin@server-one ~]$
[dev_admin@server-one ~]$
[dev_admin@server-one ~]$ ls -lrt
total 4
-rw-r--r--. 1 dev_admin dev_admin 2292 Feb 19 14:11 numbersfile.txt
drwxr-xr-x. 2 dev_admin dev_admin    6 Feb 19 14:12 dir2
drwxr-xr-x. 2 dev_admin dev_admin    6 Feb 19 14:12 dir1
-rw-r--r--. 1 dev_admin dev_admin    0 Feb 19 14:24 newfile1
[dev_admin@server-one ~]$
```



```
[user1_sr2@ip-172-31-38-72 ~]$ ls -lrt
total 4
-rw-r--r--. 1 user1_sr2 user1_sr2 2292 Feb 19 14:16 numbersfi
le.txt
[user1_sr2@ip-172-31-38-72 ~]$ ls
dir1  numbersfile.txt
[user1_sr2@ip-172-31-38-72 ~]$ touch newfile1
[user1_sr2@ip-172-31-38-72 ~]$ scp newfile1 dev_admin@13.126.
77.240:/home/dev_admin
The authenticity of host '13.126.77.240 (13.126.77.240)' can'
t be established.
ED25519 key fingerprint is SHA256:lYWKU8UnRoHXfbb6+oQpIiMGtTF
kW7Cp5bVymTxcthc.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerp
rint])? yes
Warning: Permanently added '13.126.77.240' (ED25519) to the l
ist of known hosts.
dev_admin@13.126.77.240's password:
newfile1                          100%    0     0.0KB/s   00:00
[user1_sr2@ip-172-31-38-72 ~]$
```