

# Configurations to be enabled in sshd\_config

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## Recommended SSHD settings in /etc/ssh/sshd\_config OpenSSH server config file.

**Overview:** This article provides an overview of recommended SSHD settings in the /etc/ssh/sshd\_config file and demonstrates how to view the active configurations and accepted key types using commands to check the current SSH settings on the server.

Run the below command to display all the **enabled settings** and **accepted key types** in **SSHD**.

```
root@gateway ~]# sshd -T | grep -i 'AllowTcpForwarding|PermitRootLogin|PubkeyAuthentication|PasswordAuthentication|pubkeyacceptedkeytypes'
```

**OR**

```
root@gateway ~]# grep -v '^s*#' /etc/ssh/sshd_config | grep -i 'AllowTcpForwarding|PubkeyAuthentication|PasswordAuthentication|MatchAddress|PermitRootLogin|PubkeyAuthentication|PasswordAuthentication|key'^ ; sshd -T | grep -i pubkeyacceptedkeytypes
```

Sample outputs of both above commands:

```
root@gateway ~]# sshd -T | grep -i 'AllowTcpForwarding|PermitRootLogin|PubkeyAuthentication|PasswordAuthentication|pubkeyacceptedkeytypes'
```

```
permitrootlogin yes
pubkeyauthentication yes
passwordauthentication yes
allowtcpforwarding no
pubkeyacceptedkeytypes ecdsa-sha2-nistp256-cert-v01@openssh.com,ecdsa-sha2-nistp384-cert-v01@openssh.com,ecdsa-sha2-nistp521-cert-v01@openssh.com,sk-ecdsa-sha2-nistp256-cert-v01@openssh.com,ssh-ed25519-cert-v01@openssh.com,sk-ssh-ed25519-cert-v01@openssh.com,rsa-sha2-512-cert-v01@openssh.com,rsa-sha2-256-cert-v01@openssh.com,ssh-rsa-cert-v01@openssh.com,ecdsa-sha2-nistp256,ecdsa-sha2-nistp384,ecdsa-sha2-nistp521,sk-ecdsa-sha2-nistp256@openssh.com,ssh-ed25519,sk-ssh-ed25519@openssh.com,rsa-sha2-512,rsa-sha2-256,ssh-rsa
```

```
root@gateway ~]# grep -v '^s*#' /etc/ssh/sshd_config | grep -i 'AllowTcpForwarding|PubkeyAuthentication|PasswordAuthentication|Match
```

```
Address|PermitRootLogin|PubkeyAuthentication|PasswordAuthentication|key'^ ; sshd -T | grep -i  
pubkeyacceptedkeytypes
```

PermitRootLogin yes

PubkeyAuthentication yes

AllowTcpForwarding no

Match Address 127.0.0.1

PermitRootLogin yes

PubkeyAuthentication yes

PasswordAuthentication yes

pubkeyacceptedkeytypes ecdsa-sha2-nistp256-cert-v01@openssh.com,ecdsa-sha2-nistp384-cert-v01@op  
enssh.com,ecdsa-sha2-nistp521-cert-v01@openssh.com,sk-ecdsa-sha2-nistp256-cert-v01@openssh.com,  
ssh-ed25519-cert-v01@openssh.com,sk-ssh-ed25519-cert-v01@openssh.com,rsa-sha2-512-cert-v01@op  
enssh.com,rsa-sha2-256-cert-v01@openssh.com,ssh-rsa-cert-v01@openssh.com,ecdsa-sha2-nistp256,ecd  
sa-sha2-nistp384,ecdsa-sha2-nistp521,sk-ecdsa-sha2-nistp256@openssh.com,ssh-ed25519,sk-ssh-  
ed25519@openssh.com,rsa-sha2-512,rsa-sha2-256,ssh-rsa

#### **Related Articles:**

[How to enable Public key based authentication and Allow root login in SSHD](#)

[Enable SSH Key based authentication and Disable Password Authentication in ssh](#)

[Enforcing ssh login shell for ssh gateway users selectively in sshd config file](#)

Online URL:

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