

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](#)

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