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\|Match Address\|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@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

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