

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@open  
ssh.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
```

```
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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