

SSH FIDO2 ControlMaster

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```
~/ssh/config
SSH FIDO2 conf.d
ControlMaster
```

1. Setup

SSH FIDO2 ControlMaster

```
# Create directories
mkdir -p ~/.ssh/conf.d ~/.ssh/keys ~/.ssh/controlmasters
touch ~/.ssh/config

# Set permissions
chmod 700 ~/.ssh/conf.d ~/.ssh/keys ~/.ssh/controlmasters
chmod 600 ~/.ssh/config
```

2. FIDO2 vs U2F

FIDO2 vs U2F

FIDO2 (FIDO2 / U2F)

Prod Bastion FIDO2

```
cd ~/.ssh/keys

# Generate FIDO2 Ed25519 key
# -0 resident:
# -0 verify-required: PIN
ssh-keygen -t ed25519-sk \
  -0 resident \
  -0 verify-required \
  -0 application="ssh:Cloudhost-Sens-2026" \
```

```
-C "Cloudhost-Sens-2026" \  
-f id_ed25519_sk_sens
```

Ed25519 (Ed25519)

Dev Ed25519 RSA

```
# Ed25519  
ssh-keygen -t ed25519 \  
-O application="ssh:Standard-2026" \  
-C "Standard-2026" \  
-f id_ed25519_std  
  
# Passphrase  
ssh-keygen -p -f ~/.ssh/keys/id_ed25519_std
```

3. SSH

Include

~/.ssh/config

```
# macOS UserKeychain  
IgnoreUnknown UserKeychain  
  
#  
Include ~/.ssh/conf.d/*.conf
```

~/.ssh/conf.d/10-sensitive.conf

Bastion/Prod

```
# 10-sensitive.conf  
Host bastion prod core-* sensitive  
# Agent  
IdentitiesOnly yes  
IdentityFile ~/.ssh/keys/id_ed25519_sk_sens1  
IdentityFile ~/.ssh/keys/id_ed25519_sk_sens2  
  
# SSH Agent  
IdentityAgent none  
AddKeysToAgent no  
ForwardAgent no  
  
StrictHostKeyChecking yes
```



```
IdentitiesOnly yes
ForwardAgent no
AddKeysToAgent no
HashKnownHosts yes

# 本地 TCP 本地
ControlMaster auto
ControlPath ~/.ssh/controlmasters/%C
ControlPersist 10m

# 本地 ASCII 本地MITM本地
VisualHostKey yes
```

4. 本地

本地 SSH 本地

本地 ~/.ssh/conf.d/ 本地 dotfiles 本地
本地 keys/ 本地 .gitignore本地

本地

- 本地 Bilibili 本地 本地 SSH 本地 - 本地 SSH 本地
Fido2 本地SSH-Agent本地SSH 本地