



SSH Keys for Dummies

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An FLGames.com Production

 *Secure your future. Login like a pro. Level up your infra.*

 SSH Keys + PowerShell: “Zero-Click” Login Flow, Ultra-Modern Style

1. WHY SSH KEYS? — “Don’t Just Login. Level Up.”

Passwords are so 2005.

SSH keys bring you next-level crypto security: unguessable, unphishable, and frictionless. Skip the endless password prompts, and join the club of pros who “just type ssh and go.”

Bonus: Required for real prod infra (FIPS mode? Ed25519 ban? RSA to the rescue).

2. IPv4 vs IPv6 — Real World, Real Fast

- Stick to IPv4: It Just Works™, everywhere, every network, every weird corporate proxy.

- Example:

`ssh yourname@123.45.67.89`

(If your ISP/network only speaks IPv6, you’re probably already a network ninja.)

3. Step 1: Generate Your Keypair — Windows PowerShell, Unleashed

Open PowerShell as Admin (“Run as administrator”). Then, craft a strong, FIPS-approved RSA key:

`ssh-keygen -t rsa -b 4096 -C "windows-laptop" -f $HOME\.ssh\id_rsa_example`

- No passphrase? Just press Enter (easy mode). For ultra-security, add one.

- Keys saved at:

Private: `C:\Users\YOURNAME\.ssh\id_rsa_example`

Public: `C:\Users\YOURNAME\.ssh\id_rsa_example.pub`



4. 🚀 Step 2: Beam Your Public Key to the Linux Server
`scp $HOME\.ssh\id_rsa_example.pub yourname@123.45.67.89:~/`
Then on the server:
`mkdir -p ~/.ssh`
`cat ~/id_rsa_example.pub >> ~/.ssh/authorized_keys`
`rm ~/id_rsa_example.pub`
`chmod 700 ~/.ssh`
`chmod 600 ~/.ssh/authorized_keys`
`chown -R yourname:yourname ~/.ssh`
5. 🔒 Step 3: Windows SSH Agent—Set & Forget
`Set-Service -Name ssh-agent -StartupType Automatic`
`Start-Service -Name ssh-agent`
`ssh-add $HOME\.ssh\id_rsa_example`
`ssh-add -l`
6. ✨ Step 4: Supercharged SSH Config
`notepad $HOME\.ssh\config`
Add:
Host myserver
 HostName 123.45.67.89
 User yourname
 IdentityFile C:\Users\yourname\.ssh\id_rsa_example
 IdentitiesOnly yes
Now connect with:
`ssh myserver`
7. 🚫 Step 5: Lock Down Password Auth on Server
`sudo sed -i 's/^#\?PasswordAuthentication.*/PasswordAuthentication no/'`
`/etc/ssh/sshd_config`
`sudo systemctl daemon-reload`
`sudo systemctl restart ssh`
8. 🏯 Recap — “From N00b to Ninja in 5 Steps”
 - SSH keys = pro-grade security, effortless logins.
 - Use RSA (4096-bit) for FIPS/legacy, or Ed25519 for new-school.
 - Always default to IPv4 for max compatibility.
 - Configure your agent & SSH config once; never waste time again.
 - Disable passwords on your servers. Period.
 - You’re now logging into prod infra like a cloud-native boss.

