

INFORMATION SECURITY

SSH – Remote login

SSH client:

- ssh: with OS (Windows command line, Mac and Linux terminal)
Example:
`ssh -l [name_of_user] [ip_address_of_machine]`
`ssh [name_of_user]@[name_of_machine]`
([name_of_machine] is IP address or domain name)
- Putty: <https://www.putty.org> (Windows, Linux, Mac)

SSH server:

- Mac OS: ssh server and client are both integrated in Mac and Linux OS (don't need to install).
 - o View ssh status: `sudo systemsetup -getremotelogin`
 - o Activate ssh:
`sudo launchctl load -w /System/Library/LaunchDaemons/ssh.plist`
or System Preferences/Sharing/ check Remote Login
or `sudo systemsetup -setremotelogin on`
- Linux: ssh server and client are both integrated in Mac and Linux OS (don't need to install).
- OpenSSH (Windows) :
link to download and install ssh server: <https://www.openssh.com/portable.html>

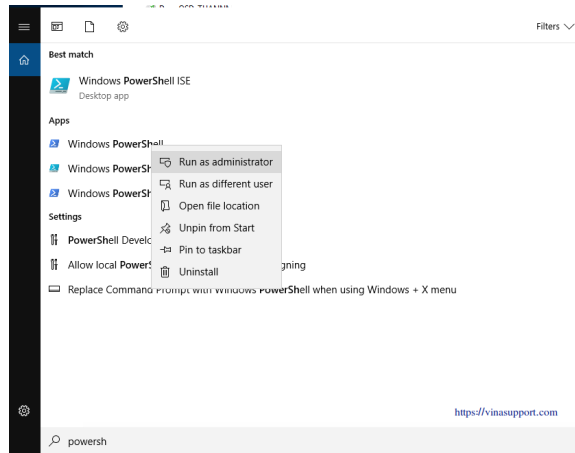
Cài đặt OpenSSH trên Windows / Windows Server

Bước 1: Giải nén vào thư mục: C:\Program Files\OpenSSH-Win64

Bước 2: Mở file `sshd_config_default` trong thư mục vừa giải nén, mở comment

Port 22

Bước 3: Mở [Powershell](#) với quyền administrator



Bước 4: Thực hiện các command bên dưới để cài đặt và khởi động dịch vụ

```
Administrator: Windows PowerShell
Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Windows\system32> setx PATH "%env:path%;C:\Program Files\OpenSSH-Win64" -m

SUCCESS: Specified value was saved.
PS C:\Windows\system32> cd "C:\Program Files\OpenSSH-Win64\"
PS C:\Program Files\OpenSSH-Win64> .\install-sshd.ps1
[SC] SetServiceObjectSecurity SUCCESS
[SC] ChangeServiceConfig2 SUCCESS
[SC] ChangeServiceConfig2 SUCCESS
sshd and ssh-agent services successfully installed
PS C:\Program Files\OpenSSH-Win64> Set-Service sshd -StartupType Automatic
PS C:\Program Files\OpenSSH-Win64> Set-Service ssh-agent -StartupType Automatic
PS C:\Program Files\OpenSSH-Win64> Start-Service sshd
PS C:\Program Files\OpenSSH-Win64> Start-Service ssh-agent
PS C:\Program Files\OpenSSH-Win64>
```