

# LINUX

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# SSH

- Tunnel SSH:

```
# {PORT_LOCAL}:{SERVEUR_DESTINATION}:{PORT_DU_SERVEUR_DISTANT}  
{IP_A_LAQUELLE_JACCEDE}  
ssh -L 9999:172.16.0.3:80 192.168.1.210
```



/\_\_\_/

....is now installed!

Before you scream Oh My Zsh! look over the ``.zshrc`` file to select plugins, themes, and options.

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<https://shop.planetargon.com/collections/oh-my-zsh>

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### 3. Installer p10k

```
git clone --depth=1 https://github.com/romkatv/powerlevel10k.git ${ZSH_CUSTOM:-
$HOME/.oh-my-zsh/custom}/themes/powerlevel10k
#Set ZSH_THEME="powerlevel10k/powerlevel10k" in ~/.zshrc
source ~/.zshrc
```

# POWERSHELL SUR LINUX

## INSTALLATION

```
apt upgrade && apt full-upgrade && apt install curl apt-transport-https gnupg2 -y

curl https://packages.microsoft.com/keys/microsoft.asc | apt-key add -

sh -c 'echo "deb [arch=amd64] https://packages.microsoft.com/repos/microsoft-debian-bullseye-prod bullseye main" > /etc/apt/sources.list.d/microsoft.list'

apt update && apt install -y powershell gss-ntlmssp
```

## SE CONNECTER À DISTANCE EN POWERSHELL

### 1. Installation des modules nécessaires en BASH

```
pwsh -Command 'Install-Module -Name PSWSMan' --> Redémarrer une session
```

### 2. Installation des module nécessaire en POWERSHELL

```
pwsh
Install-Module -Name PowerShellGet
Install-Module -Name PSWSMan -force
Install-WSMan
```

### 3. Connexion sur un WINDOWS SERVER

```
PS /root> Enter-PSSession -ComputerName 172.16.0.3 -Authentication Negotiate -
Credential megaproduction\administrator

PowerShell credential request
Enter your credentials.
Password for user megaproduction\administrator: *****

[172.16.0.3]: PS C:\Users\Administrator\Documents>
hostname
```

```
ads-front-01
```

Il faudra au préalable avoir lancé ces commande sur le serveur distant:

```
Enable-PSRemoting -Force
```

## DÉBUT D'AUTOMATISATION

### 1. Création de la commande à lancer

```
$creds = Get-Credential -UserName megaproduction\administrator
$block = {Get-WindowsFeature | Where { $_.Installed } | Select
Name,DisplayName,Description | select -First 4}

# Lancement du contenu de la variable $block sur le serveur distant
Invoke-Command -ComputerName RemotePC -Authentication Negotiate -Credential $creds -
ScriptBlock $block

# On peut aussi lancer un script local sur le serveur distant
Invoke-Command -ComputerName RemotePC -Authentication Negotiate -Credential $creds -
FilePath C:\Scripts\my_script.ps1
```

### 2. Résultat attendus

```
PS /root> Invoke-Command -ComputerName 172.16.0.3 -Authentication Negotiate -
Credential $creds `
>> -ScriptBlock $block -verbose

Name           : AD-Domain-Services
DisplayName     : Active Directory Domain Services
Description    : Active Directory Domain Services (AD DS) stores information about
objects on the network and makes this information available to users and network
administrators. AD DS uses domain controllers
                to give network users access to permitted resources anywhere on the
network through a single logon process.
PSComputerName : 172.16.0.3
RunspaceId     : 553f7cb6-c422-4fa2-a93e-62525616f57a
```

Name : DNS  
DisplayName : DNS Server  
Description : Domain Name System (DNS) Server provides name resolution for TCP/IP networks. DNS Server is easier to manage when it is installed on the same server as Active Directory Domain Services. If you  
select the Active Directory Domain Services role, you can install and configure DNS Server and Active Directory Domain Services to work together.  
PSComputerName : 172.16.0.3  
RunspaceId : 553f7cb6-c422-4fa2-a93e-62525616f57a

Name : FileAndStorage-Services  
DisplayName : File and Storage Services  
Description : File and Storage Services includes services that are always installed, as well as functionality that you can install to help manage file servers and storage.  
PSComputerName : 172.16.0.3  
RunspaceId : 553f7cb6-c422-4fa2-a93e-62525616f57a

Name : File-Services  
DisplayName : File and iSCSI Services  
Description : File and iSCSI Services provides technologies that help you manage file servers and storage, reduce disk space utilization, replicate and cache files to branch offices, move or fail over a file share to another cluster node, and share files by using the NFS protocol.  
PSComputerName : 172.16.0.3  
RunspaceId : 553f7cb6-c422-4fa2-a93e-62525616f57a

# SSH-AGENT

Mise en place du démarrage de ssh-agent automatiquement

## ZSH

```
echo "eval $(ssh-agent -s)" >> ~/.zshrc  
echo "ssh-add ~/.ssh/id_rsa" >> ~/.zshrc  
source ~/.zshrc
```

## BASH

```
echo "eval $(ssh-agent -s)" >> ~/.bashrc  
echo "ssh-add ~/.ssh/id_rsa" >> ~/.bashrc  
source ~/.bashrc
```

Probleme d'accès  
ZABBIX/GLPI/ETC Ce site est  
inaccessible 192.168.1.0/24  
n'autorise pas la connexion.