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 fil
                 e share to another cluster node, and share files by using the NFS
protocol.
PSComputerName : 172.16.0.3
RunspaceId     : 553f7cb6-c422-4fa2-a93e-62525616f57a
```

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