

```
Administrator: Windows PowerShell
PS C:\Users\Administrator> Get-ADOrganizationalUnit -Filter * | ForEach-Object { (Get-Acl "AD:\$(($_.DistinguishedName).Access | Where-Object { $_.IdentityReference -like "*DOMAIN*" }) | Select-Object @{n='OU';e={$_.DistinguishedName}}, IdentityReference, ActiveDirectoryRights
>> }
>>

OU IdentityReference ActiveDirectoryRights
-----
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS GenericRead
FOREST\Domain Admins ...Self, WriteProperty, ExtendedRight, GenericRead, WriteDacl, WriteOwner
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS GenericRead
FOREST\Domain Admins GenericAll
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS GenericRead
FOREST\Domain Admins GenericAll
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS GenericRead
FOREST\Domain Admins GenericAll
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
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NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS GenericRead
FOREST\Domain Admins GenericAll
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS ReadProperty
NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS GenericRead
```

[illegible]



Recycle Bin Administrator: Command Prompt

```
Microsoft Windows [Version 10.0.20348.587]
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C:\Users\Administrator> runas /user:FOREST\adrien cmd
Enter the password for FOREST\adrien:
Attempting to start cmd as user "FOREST\adrien" ...
RUNAS ERROR: Unable to run - cmd
1385: Logon failure: the user has not been granted the requested logon type at this computer.

C:\Users\Administrator>
```

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12:33 PM
6/19/2025



Right Ctrl


```
Administrator: Windows PowerShell
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS C:\Users\Administrator> Enter-PSSession -ComputerName localhost -Credential "FOREST\adrien"
Enter-PSSession : Connecting to remote server localhost failed with the following error message : Access is denied.
For more information, see the about_Remote_Troubleshooting Help topic.
At line:1 char:1
+ Enter-PSSession -ComputerName localhost -Credential "FOREST\adrien"
+ ~~~~~
+ CategoryInfo          : InvalidArgument: (localhost:String) [Enter-PSSession], PSRemotingTransportException
+ FullyQualifiedErrorId : CreateRemoteRunspaceFailed

PS C:\Users\Administrator> _
```

```
PS C:\Users\Administrator> $cred = Get-Credential "FOREST\adrien"
PS C:\Users\Administrator> Start-Process "cmd.exe" -Credential $cred -NoNewWindow -ArgumentList "/c whoami > C:\temp\adrien_test.txt"
Start-Process : This command cannot be run due to the error: Logon failure: the user has not been granted the requested logon type at this computer.
At line:1 char:1
+ Start-Process "cmd.exe" -Credential $cred -NoNewWindow -ArgumentList ...
+ ~~~~~
+ CategoryInfo          : InvalidOperation: (:) [Start-Process], InvalidOperationException
+ FullyQualifiedErrorId : InvalidOperationException,Microsoft.PowerShell.Commands.StartProcessCommand

PS C:\Users\Administrator> Test-AdfsAuthentication -Server localhost -Credential $cred
Test-AdfsAuthentication : The term 'Test-AdfsAuthentication' is not recognized as the name of a cmdlet, function, script file, or operable program. Check the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:1
+ Test-AdfsAuthentication -Server localhost -Credential $cred
+ ~~~~~
+ CategoryInfo          : ObjectNotFound: (Test-AdfsAuthentication:String) [], CommandNotFoundException
+ FullyQualifiedErrorId : CommandNotFoundException

PS C:\Users\Administrator>
```

Group Policy Management

File Action View Window Help

Group Policy Management

Forest: forest.local

Domains

forest.local

Sites

Group Policy Modeling

Group Policy Results

forest.local

Status

Linked Group Policy Objects

Group Policy Inheritance

Delegation

Link Order	GPO	Enforced	Link Enabled	GPO Status
1	Default Domain Policy	No	Yes	Enabled
2	Enforce_Strong_Pa...	No	Yes	Enabled



Default Domain Policy [WIN-IA4DIC092BB.FOREST.LOCAL] Policy

- Computer Configuration
 - Policies
 - Preferences
- User Configuration
 - Policies
 - Preferences

Default Domain Policy [WIN-IA4DIC092BB.FOREST.LOCAL] Policy

Computer Configuration

Name

Computer Configuration

User Configuration

Description:

Administrators use the Computer Configuration node in Group Policy to set policies that are applied to computers, regardless of who logs onto them.



Default Domain Policy [WIN-IA-...]

Computer Configuration

Policies

> Software Settings

> Windows Settings

> Administrative Templates

> Preferences

User Configuration

> Policies

> Preferences

Policies

Windows Settings

Name

Software Settings

Windows Settings

Administrative Templates

Description:

Windows Settings are applied to all users who log on to the computer. This node has two subnodes: Security Settings and Scripts.

Group Policy Management Editor

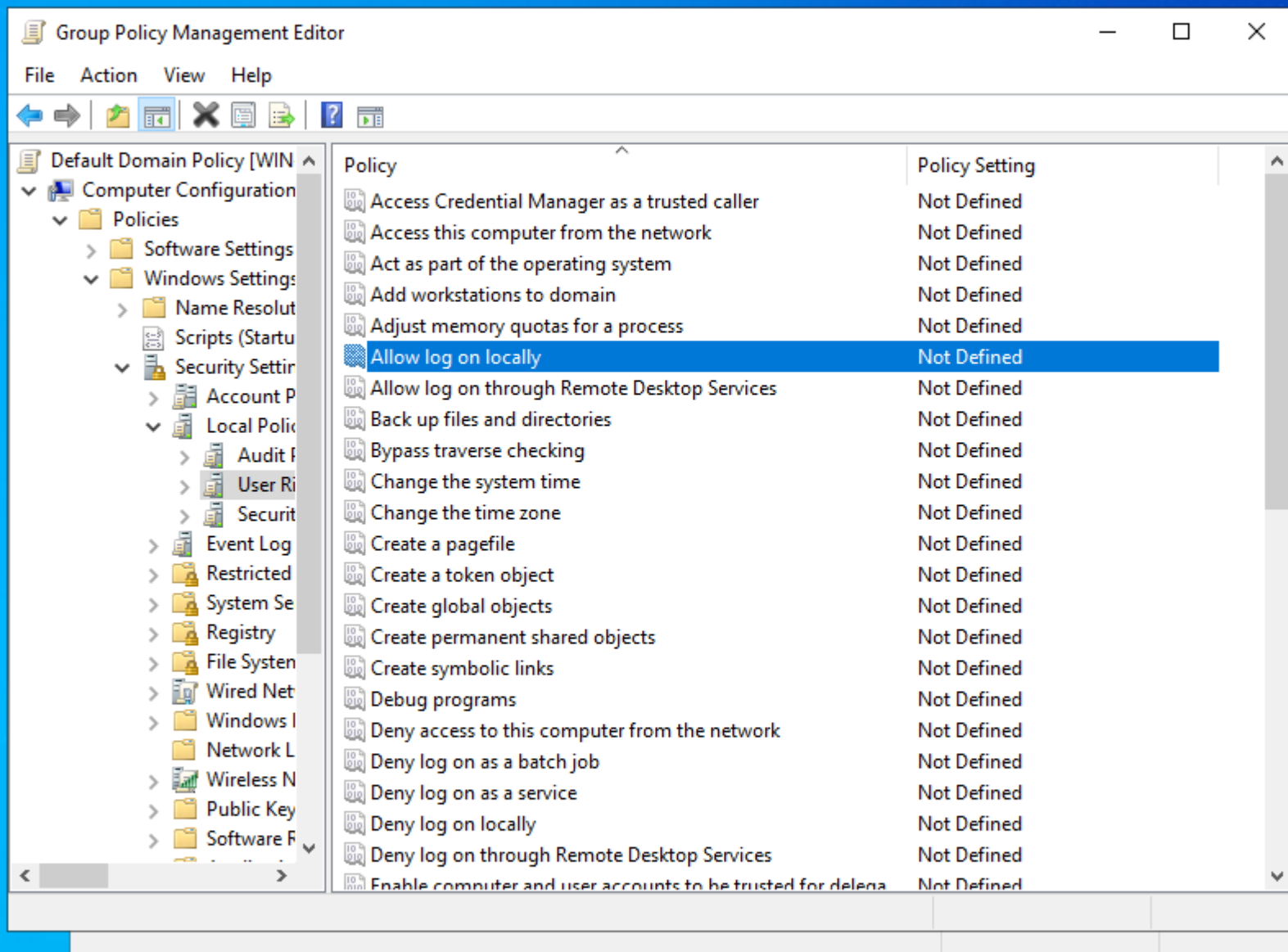
File Action View Help

← → ↗ ✕ ↶ ↷ ? 📄

Default Domain Policy [WIN-IA...

- Computer Configuration
 - Policies
 - Software Settings
 - Windows Settings
 - Name Resolution
 - Scripts (Startup/Shutdown)
 - Security Settings
 - Policy-based QoS
 - Administrative Templates
 - Preferences
 - User Configuration
 - Policies
 - Preferences

Name	Description
Account Policies	Password and account lockout policies
Local Policies	Auditing, user rights and security options policies
Event Log	Event Log
Restricted Groups	Restricted Groups
System Services	System service settings
Registry	Registry security settings
File System	File system security settings
Wired Network (IEEE 802.3) Policies	Wired Network Policy Administration. Manage ...
Windows Defender Firewall with Advanced Security	Windows Defender Firewall with Advanced Security
Network List Manager Policies	Network name, icon and location group policies.
Wireless Network (IEEE 802.11) Policies	Wireless Network Policy Administration. Manage ...
Public Key Policies	
Software Restriction Policies	
Application Control Policies	Application Control Policies
IP Security Policies on Active Directory (F...	Internet Protocol Security (IPsec) Administration...
Advanced Audit Policy Configuration	Advanced Audit Policy Configuration





Recycle Bin



Microsoft Edge

Group Policy Management Editor

File Action View Help

Default Domain Policy [WIN...]

- Computer Configuration
 - Policies
 - Software Settings
 - Windows Settings
 - Name Resolut...
 - Scripts (Startu...
 - Security Settin...
 - Account P...
 - Local Polic...
 - Audit P...
 - User Ri...
 - Securit...
 - Event Log
 - Restricted
 - System Se...
 - Registry
 - File System
 - Wired Net...
 - Windows I...
 - Network L...
 - Wireless N...
 - Public Key
 - Software F...

Allow log on locally Properties

Security Policy Setting Explain

Allow log on locally

☒ Define these policy settings:

Add User or Group... Remove

Modifying this setting may affect compatibility with clients, services, and applications.
For more information, see [Allow log on locally](#). (Q823659)

OK Cancel Apply



Recycle Bin

Administrator: Windows PowerShell

Windows PowerShell

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PS C:\Users\Administrator> gpupdate /force

Updating policy...

Computer Policy update has completed successfully.

User Policy update has completed successfully.

PS C:\Users\Administrator>

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Type here to search



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Micro
Ed

Administrator: Windows PowerShell

Windows PowerShell

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Install the latest PowerShell for new features and improvements! <https://aka.ms/PSWindows>

PS C:\Users\Administrator> Get-ADUser adrien -Properties Enabled

DistinguishedName : CN=Adrien,OU=DESIGN,OU=PARIS,OU=FRANCE,DC=forest,DC=local
Enabled : True
GivenName : Adrien
Name : Adrien
ObjectClass : user
ObjectGUID : 660bfeb8-b8df-4246-93c3-6c994b20b321
SamAccountName : adrien
SID : S-1-5-21-1955954324-206265833-1145328094-1105
Surname : Agreste
UserPrincipalName :

PS C:\Users\Administrator>





Other user

The sign-in method you're trying to use isn't allowed. For more info, contact your network administrator.

OK

🔒 Built entirely using PowerShell and hands-on configuration inside a virtual environment.

OU Structure to be implemented :

forest.local |—— OU=INDIA | |—— OU=PUNE | | |—— OU=MARKETING (User: Ravi) | |—— OU=CHENNAI | |—— OU=HR (User: Hari) |——
OU=FRANCE | |—— OU=PARIS | |—— OU=DESIGN (User: Adrien) |—— OU=SOUTH_KOREA |—— OU=SEOUL |—— OU=MARKETING (User:
Kim Yoo Jung)

```
PS C:\Users\Administrator> Get-WinEvent -LogName Security -MaxEvents 20 | Where-Object { $_.Id -in (4624,4625,4724,4769) } | Format-table TimeCreated,Id,Message -AutoSize
```

TimeCreated	Id	Message
-----	--	-----
6/20/2025 4:55:31 PM	4624	An account was successfully logged on....
6/20/2025 4:54:31 PM	4624	An account was successfully logged on....
6/20/2025 4:53:31 PM	4624	An account was successfully logged on....
6/20/2025 4:53:31 PM	4624	An account was successfully logged on....
6/20/2025 4:53:31 PM	4624	An account was successfully logged on....
6/20/2025 4:52:58 PM	4624	An account was successfully logged on....
6/20/2025 4:52:58 PM	4624	An account was successfully logged on....
6/20/2025 4:52:58 PM	4624	An account was successfully logged on....
6/20/2025 4:52:58 PM	4624	An account was successfully logged on....
6/20/2025 4:52:58 PM	4624	An account was successfully logged on....
6/20/2025 4:52:58 PM	4624	An account was successfully logged on....
6/20/2025 4:52:58 PM	4624	An account was successfully logged on....
6/20/2025 4:52:58 PM	4624	An account was successfully logged on....
6/20/2025 4:52:57 PM	4624	An account was successfully logged on....

```
PS C:\Users\Administrator> Add-ADGroupMember -Identity "Remote Management Users" -Members "adrien", "ravi", "hari", "yo
ojung"
PS C:\Users\Administrator> Enable-PSRemoting
PS C:\Users\Administrator> Enable-PSRemoting -Force
PS C:\Users\Administrator> Test-WSMan -ComputerName localhost -Credential (Get-Credential "forest\adrien")
Test-WSMan : The WinRM client could not process the request because credentials were specified along with the 'no
authentication' flag. No user name, password or client certificate should be specified with the 'no authentication'
option.
At line:1 char:1
+ Test-WSMan -ComputerName localhost -Credential (Get-Credential "fores ...
+ ~~~~~
+ CategoryInfo          : InvalidOperation: (:) [Test-WSMan], InvalidOperationException
+ FullyQualifiedErrorId : WsManError,Microsoft.WSMan.Management.TestWSManCommand

PS C:\Users\Administrator> _
```

```
PS C:\Users\Administrator> winrm get winrm/config/service
```

```
Service
```

```
RootSDDL = O:NSG:BAD:P(A;;GA;;;BA)(A;;GR;;;IU)S:P(AU;FA;GA;;;WD)(AU;SA;GXGW;;;WD)
```

```
MaxConcurrentOperations = 4294967295
```

```
MaxConcurrentOperationsPerUser = 1500
```

```
EnumerationTimeoutms = 240000
```

```
MaxConnections = 300
```

```
MaxPacketRetrievalTimeSeconds = 120
```

```
AllowUnencrypted = false
```

```
Auth
```

```
Basic = false
```

```
Kerberos = true
```

```
Negotiate = true
```

```
Certificate = false
```

```
CredSSP = false
```

```
CbtHardeningLevel = Relaxed
```

```
DefaultPorts
```

```
HTTP = 5985
```

```
HTTPS = 5986
```

```
IPv4Filter = *
```

```
IPv6Filter = *
```

```
EnableCompatibilityHttpListener = false
```

```
EnableCompatibilityHttpsListener = false
```

```
CertificateThumbprint
```

```
AllowRemoteAccess = true
```