```
PS C:\Users\Administrator> winrm set winrm/config/service/auth '@{Basic="true"}'
Auth
   Basic = true
   Kerberos = true
   Negotiate = true
   Certificate = false
   CredSSP = false
   CbtHardeningLevel = Relaxed
```

```
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
   + FullyOualifiedErrorId : WsManError,Microsoft.WSMan,Management.TestWSManCommand
PS C:\Users\Administrator> Test-WSMan -ComputerName localhost -Credential (Get-Credential "forest\ravi")
```

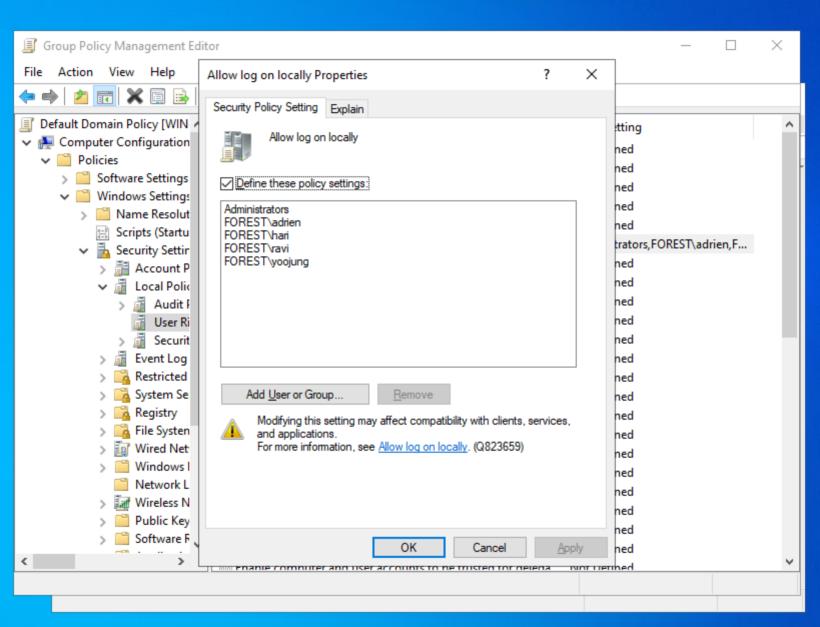
Test-WSMan : The WinRM client could not process the request because credentials were specified along with the 'no authentication' flag. No user name, password or client certificate should be specified with the 'no authentication' option.

At line:1 char:1 + Test-WSMan -ComputerName localhost -Credential (Get-Credential "fores ...

+ CategoryInfo : InvalidOperation: (:) [Test-WSMan], InvalidOperationException + FullyOualifiedErrorId : WsManError,Microsoft.WSMan.Management.TestWSManCommand

CDCHALACHINGLEVEL - NEIGACA

```
PS C:\Users\Administrator> winrm set winrm/config/service/auth '@{Kerberos="true";Negotiate="true"}'
Auth
   Basic = true
   Kerberos = true
   Negotiate = true
   Certificate = false
   CredSSP = false
   CbtHardeningLevel = Relaxed
PS C:\Users\Administrator> Test-WSMan -ComputerName localhost -Credential (Get-Credential "forest\ravi")
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
   + FullyOualifiedErrorId : WsManError,Microsoft.WSMan.Management.TestWSManCommand
PS C:\Users\Administrator> _
```



COMPUTER SETTINGS

Group Policy slow link threshold: 500 kbps

Domain Name:

CN=WIN-IA4DIC092BB,OU=Domain Controllers,DC=forest,DC=local
Last time Group Policy was applied: 6/20/2025 at 8:50:11 PM
Group Policy was applied from: WIN-IA4DIC092BB.forest.local

FOREST

```
Administrator: Windows PowerShell
                                                                                                                      П
                             Default-First-Site-Name
Site Name:
Roaming Profile:
                             N/A
Local Profile:
                            C:\Users\Administrator
Connected over a slow link?: No
COMPUTER SETTINGS
   CN=WIN-IA4DIC092BB,OU=Domain Controllers,DC=forest,DC=local
   Last time Group Policy was applied: 6/20/2025 at 8:50:11 PM
                                       WIN-IA4DIC092BB.forest.local
   Group Policy was applied from:
   Group Policy slow link threshold: 500 kbps
   Domain Name:
                                        FOREST
   Domain Type:
                                        Windows 2008 or later
   Applied Group Policy Objects
       Default Domain Controllers Policy
       Default Domain Policy
       Enforce Strong Passwords
       Local Group Policy
   The computer is a part of the following security groups
       BUILTIN\Administrators
       Everyone
       BUILTIN\Pre-Windows 2000 Compatible Access
       BUILTIN\Users
       Windows Authorization Access Group
       NT AUTHORITY\NETWORK
       NT AUTHORITY\Authenticated Users
       This Organization
       WIN-IA4DIC092BB$
       Domain Controllers
       NT AUTHORITY\ENTERPRISE DOMAIN CONTROLLERS
       Authentication authority asserted identity
       Denied RODC Password Replication Group
       System Mandatory Level
USER SETTINGS
   CN=Administrator, CN=Users, DC=forest, DC=local
```

```
USER SETTINGS
   CN=Administrator, CN=Users, DC=forest, DC=local
   Last time Group Policy was applied: 6/20/2025 at 8:50:12 PM
   Group Policy was applied from: WIN-IA4DIC092BB.forest.local
   Group Policy slow link threshold: 500 kbps
   Domain Name:
                                       FOREST
   Domain Type:
                                       Windows 2008 or later
   Applied Group Policy Objects
       N/A
   The following GPOs were not applied because they were filtered out
       Local Group Policy
           Filtering: Not Applied (Empty)
   The user is a part of the following security groups
       Domain Users
       Everyone
       BUILTIN\Administrators
       BUILTIN\Users
       BUILTIN\Pre-Windows 2000 Compatible Access
       NT AUTHORITY\INTERACTIVE
       CONSOLE LOGON
       NT AUTHORITY\Authenticated Users
       This Organization
        LOCAL
       Domain Admins
       Group Policy Creator Owners
        Schema Admins
       Enterprise Admins
       Authentication authority asserted identity
       Denied RODC Password Replication Group
       High Mandatory Level
PS C:\Users\Administrator> Add-ADGriupMember -Identity "Remote Management Users" -Members " adrien", "ravi", "hari", "yoojun
```

×

Administrator: Windows PowerShell

System Mandatory Level

Denied RODC Password Replication Group

SamAccountName ravi hari adrien

PS C:\Users\Administrator> Get-ADGroupMember -Identity "Workstation Users" | Select-Object Name, SamAccountName

Name

----Ravi

Hari

Adrien

Kim Yoo Jung yoojung

```
rsion\Policies\System" -ValueName "SeInteractiveLogonRight"
Get-GPRegistryValue : The following Group Policy registry setting was not found:
"HKEY LOCAL MACHINE\SOFTWARE\Microsoft\Windows\CureentVersion\Policies\System SeInteractiveLogonRight".
Parameter name: keyPath
At line:1 char:1
```

PS C:\Users\Administrator> Get-GPRegistryValue -Name "Default Domain Policy" -Key "HKLM\SOFTWARE\Microsoft\Windows\CureentVe

+ Get-GPRegistryValue -Name "Default Domain Policy" -Key "HKLM\SOFTWARE ... + CategoryInfo : InvalidArgument: (Microsoft.Group...tryValueCommand:GetGPRegistryValueCommand) [Get-GPRegist

ryValue], ArgumentException

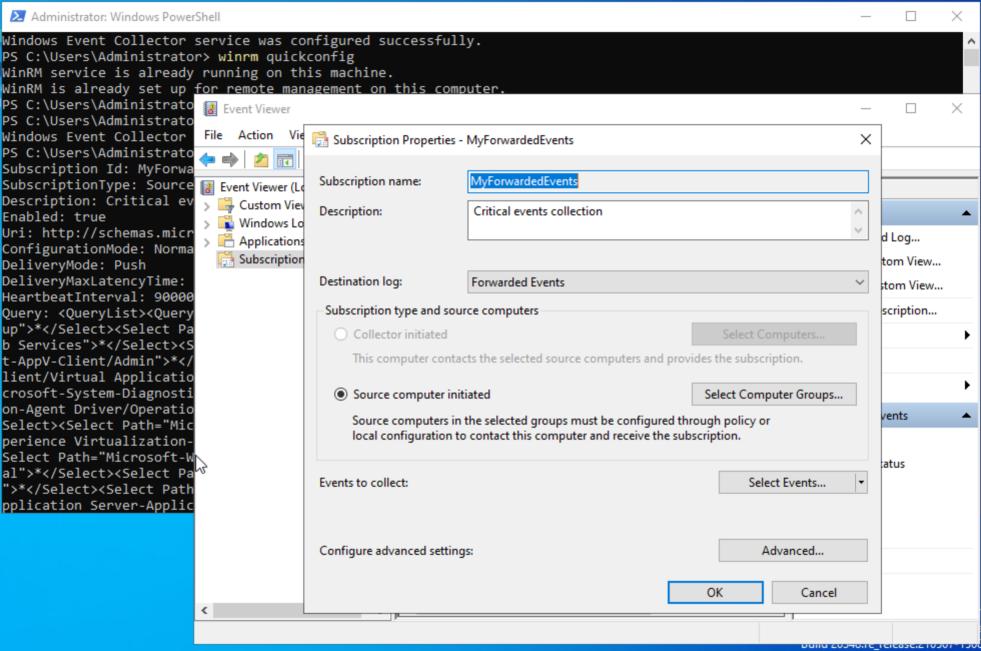
+ FullyQualifiedErrorId : UnableToRetrievePolicyRegistryItem,Microsoft.GroupPolicy.Commands.GetGPRegistryValueCommand

PS C:\Users\Administrator>

```
DistinguishedName : CN=Ravi,OU=MARKETING,OU=PUNE,OU=INDIA,DC=forest,DC=local
Enabled
                 : True
GivenName
                 : Ravi
LockedOut
                 : False
Name
                 : Ravi
ObjectClass : user
ObjectGUID
            : 8542a2a6-db96-4bdc-8e0b-6851f505a27f
PasswordExpired : False
SamAccountName
               : ravi
SID
                 : S-1-5-21-1955954324-206265833-1145328094-1103
Surname
                 : Sharma
UserPrincipalName :
PS C:\Users\Administrator> gpupdate /force
Updating policy...
Computer Policy update has completed successfully.
```

PS C:\Users\Administrator> Get-ADUser -Identity ravi -Properties PasswordExpired, LockedOut, Enabled

ser Policy update has completed successfully.



```
Administrator: Windows PowerShell
Windows Event Collector service was configured successfully.
PS C:\Users\Administrator> winrm quickconfig
WinRM service is already running on this machine.
WinRM is already set up for remote management on this computer.
PS C:\Users\Administrator> Enable-PSRemoting -Force
Windows Event Collector service was configured successfully.
PS C:\Users\Administrator> wecutil get-subscription "MyForwardedEvents"
Subscription Id: MyForwardedEvents
SubscriptionType: SourceInitiated
Description: Critical events collection
Enabled: true
Uri: http://schemas.microsoft.com/wbem/wsman/1/windows/EventLog
ConfigurationMode: Normal
DelivervMode: Push
DeliveryMaxLatencyTime: 900000
HeartbeatInterval: 900000
Query: <QueryList><Query Id="0"><Select Path="Application">*</Select><Select Path="Security">*</Select><Select Path="Set
up">*</Select><Select Path="System">*</Select><Select Path="ForwardedEvents">*</Select><Select Path="Active Directory We
b Services">*</Select><Select Path="DNS Server">*</Select><Select Path="HardwareEvents">*</Select><Select Path="Microsof
t-AppV-Client/Admin">*</Select><Select Path="Microsoft-AppV-Client/Operational">*</Select><Select Path="Microsoft-AppV-C
lient/Virtual Applications">*</Select><Select Path="Microsoft-ServerCore-ShellLauncher/Admin">*</Select><Select Path="Mi
crosoft-System-Diagnostics-DiagnosticInvoker/Operational">*</Select><Select Path="Microsoft-User Experience Virtualizati
on-Agent Driver/Operational">*</Select><Select Path="Microsoft-User Experience Virtualization-App Agent/Operational">*</
Select><Select Path="Microsoft-User Experience Virtualization-IPC/Operational">*</Select><Select Path="Microsoft-User Ex
perience Virtualization-SQM Uploader/Operational">*</Select><Select Path="Microsoft-Windows-AAD/Operational">*</Select><
Select Path="Microsoft-Windows-All-User-Install-Agent/Admin">*</Select><Select Path="Microsoft-Windows-AllJoyn/Operation
al">*</Select><Select Path="Microsoft-Windows-AppHost/Admin">*</Select><Select Path="Microsoft-Windows-AppID/Operational
">*</Select><Select Path="Microsoft-Windows-ApplicabilityEngine/Operational">*</Select><Select Path="Microsoft-Windows-A
pplication Server-Applications/Admin">*</Select><Select Path="Microsoft-Windows-Application Server-Applications/Operatio"
```

elect><Select Path="Microsoft-Windows-TCPIP/Operational">*</Select><Select Path="Microsoft-Windows-TerminalServices-RDPC lient/Operational">*</Select><Select Path="Microsoft-Windows-TerminalServices-ClientUSBDevices/Admin">*</Select><Select Path="Microsoft-Windows-TerminalServices-ClientUSBDevices/Operational">*</Select><Select Path="Microsoft-Windows-Termina lServices-LocalSessionManager/Admin">*</Select><Select Path="Microsoft-Windows-TerminalServices-LocalSessionManager/Oper

ational">*</Select><Select Path="Microsoft-Windows-TerminalServices-PnPDevices/Admin">*</Select><Select Path="Microsoft-Windows-TerminalServices-PnPDevices/Operational">*</Select><Select Path="Microsoft-Windows-TerminalServices-Printers/Adm in">*</Select><Select Path="Microsoft-Windows-TerminalServices-Printers/Operational">*</Select><Select Path="Microsoft-W indows-TerminalServices-RemoteConnectionManager/Admin">*</Select><Select Path="Microsoft-Windows-TerminalServices-Remote

ConnectionManager/Operational">*</Select><Select Path="Microsoft-Windows-TerminalServices-ServerUSBDevices/Admin">*</Sel ect><Select Path="Microsoft-Windows-TerminalServices-ServerUSBDevices/Operational">*</Select><Select Path="Microsoft-Win dows-TerminalServices-SessionBroker-Client/Admin">*</Select><Select Path="Microsoft-Windows-TerminalServices-SessionBrok er-Client/Operational">*</Select><Select Path="Microsoft-Windows-Time-Service/Operational">*</Select><Select Path="Micro

soft-Windows-Time-Service-PTP-Provider/PTP-Operational">*</Select><Select Path="Microsoft-Windows-TZSync/Operational">*< /Select><Select Path="Microsoft-Windows-TZUtil/Operational">*</Select><Select Path="Microsoft-Windows-UAC/Operational">* </Select><Select Path="Microsoft-Windows-UAC-FileVirtualization/Operational">*</Select><Select Path="Microsoft-Windows-S earchUI/Operational">*</Select><Select Path="Microsoft-Windows-UniversalTelemetryClient/Operational">*</Select><Select F

ath="Microsoft-Windows-User Control Panel/Operational">*</Select><Select Path="Microsoft-Windows-User Device Registratio n/Admin">*</Select><Select Path="Microsoft-Windows-User Profile Service/Operational">*</Select><Select Path="Microsoft-W

indows-User-Loader/Operational">*</Select><Select Path="Microsoft-Windows-UserPnp/ActionCenter">*</Select><Select Path=" Microsoft-Windows-UserPnp/DeviceInstall">*</Select><Select Path="Microsoft-Windows-VDRVROOT/Operational">*</Select><Sele ct Path="Microsoft-Windows-VerifyHardwareSecurity/Admin">*</Select><Select Path="Microsoft-Windows-VerifyHardwareSecurit

y/Operational">*</Select><Select Path="Microsoft-Windows-VHDMP-Operational">*</Select><Select Path="Microsoft-Windows-Vo lumeSnapshot-Driver/Operational">*</Select><Select Path="Windows Networking Vpn Plugin Platform/Operational">*</Select>< Select Path="Windows Networking Vpn Plugin Platform/OperationalVerbose">*</Select><Select Path="Microsoft-Windows-VPN-Cl

ient/Operational">*</Select><Select Path="Microsoft-Windows-Wcmsvc/Operational">*</Select><Select Path="Microsoft-Window s-WebAuth/Operational">*</Select><Select Path="Microsoft-Windows-WebAuthN/Operational">*</Select><Select Path="Microsoft

-Windows-WebIO-NDF/Diagnostic">*</Select><Select Path="Microsoft-Windows-WEPHOSTSVC/Operational">*</Select><Select Path= "Microsoft-Windows-WER-PayloadHealth/Operational">*</Select><Select Path="Microsoft-Windows-IKE/Operational">*</Select>< Select Path="Microsoft-Windows-VPN/Operational">*</Select><Select Path="Microsoft-Windows-WFP/Operational">*</Select><Se

lect Path="Microsoft-Windows-Win32k/Operational">*</Select><Select Path="Microsoft-Windows-Windows Defender/Operational" >*</Select><Select Path="Microsoft-Windows-Windows Defender/WHC">*</Select><Select Path="Microsoft-Windows-Windows Firew all With Advanced Security/ConnectionSecurity">*</Select><Select Path="Microsoft-Windows-Windows Firewall With Advanced

Security/ConnectionSecurityVerbose">*</Select><Select Path="Microsoft-Windows-Windows Firewall With Advanced Security/Fi

rewall">*</Select><Select Path="Microsoft-Windows-Windows Firewall With Advanced Security/FirewallDiagnostics">*</Select ><Select Path="Microsoft-Windows-Windows Firewall With Advanced Security/FirewallVerbose">*</Select><Select Path="Networ

k Isolation Operational">*</Select><Select Path="Microsoft-Windows-WinRM/Operational">*</Select><Select Path="Microsoft-Windows-WindowsColorSystem/Operational">*</Select><Select Path="Microsoft-Windows-WindowsSystemAssessmentTool/Operationa

l">*</Select><Select Path="Microsoft-Windows-WindowsUIImmersive/Operational">*</Select><Select Path="Microsoft-Windows-W

indowsUpdateClient/Operational">*</Select><Select Path="Microsoft-Windows-WinINet-Config/ProxyConfigChanged">*</Select>< Select Path="Microsoft-Windows-WinHTTP-NDF/Diagnostic">*</Select><Select Path="Microsoft-Windows-WinHttp/Operational">*<

/Select><Select Path="Microsoft-Windows-WinINet-Capture/Analytic">*</Select><Select Path="Microsoft-Windows-WinINet/Oper ational">*</Select><Select Path="Microsoft-Windows-Winlogon/Operational">*</Select><Select Path="Microsoft-Windows-WinNa

al">*</Select><Select Path="Microsoft-Windows-WMPNSS-Service/Operational">*</Select><Select Path="Microsoft-Windows-Word pad/Admin">*</Select><Select Path="Microsoft-Windows-Word pad/Admin">*</Select><Select Path="Microsoft-Windows-WPD -ClassInstaller/Operational">*</Select><Select Path="Microsoft-Windows-WPD-MTPClassDriver/Operational">*</Select><Select Path="Microsoft-Windows-WPD-MTPClassDriver/Operational">*</Select><Select Path="Windows PowerShell">*</Select></Query></QueryList>
ReadExistingEvents: false
TransportName: HTTP
ContentFormat: RenderedText
Locale: en-US
LogFile: ForwardedEvents

PublisherName: Microsoft-Windows-EventCollector

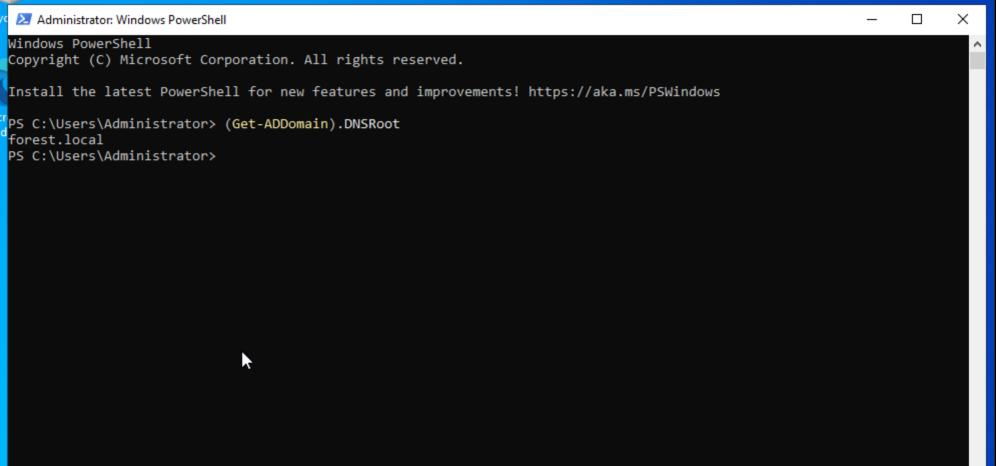
AllowedIssuerCAList: AllowedSubjectList:

DeniedSubjectList: AllowedSourceDomainComputers: 0:NSG:BAD:P(A;;GA;;;S-1-5-21-1955954324-206265833-1145328094-1109)(A;;GA;;;S-1-5-21-195595

```
PS C:\Users\Administrator> Get-WinEvent -LogName ForwardedEvents -MaxEvents 10 | Format-Table -AutoSize
Get-WinEvent : No events were found that match the specified selection criteria.
At line:1 char:1
+ Get-WinEvent -LogName ForwardedEvents -MaxEvents 10 | Format-Table -A ...
```

+ FullyOualifiedErrorId : NoMatchingEventsFound,Microsoft.PowerShell.Commands.GetWinEventCommand

+ CategoryInfo : ObjectNotFound: (:) [Get-WinEvent], Exception



```
Mark Select Administrator: Windows PowerShell
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.
Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows
PS C:\Users\Administrator> (Get-ADDomain).NetBIOSName
FOREST
PS C:\Users\Administrator> set-adaccountpassword -identity adrien -reset -newpassword (convertto-securestring "Test@1234
" -asplaintext -force)
PS C:\Users\Administrator> Enable-ADAccount adrien
PS C:\Users\Administrator> Get-ADUser adrien -Properties Enabled, PasswordLastSet
DistinguishedName : CN=Adrien,OU=DESIGN,OU=PARIS,OU=FRANCE,DC=forest,DC=local
Enabled |
                  : True
GivenName
                 : Adrien
                 : Adrien
Name
ObiectClass : user
ObjectGUID : 660bfeb8-b8df-4246-93c3-6c994b20b321
PasswordLastSet : 6/20/2025 9:53:48 PM
SamAccountName
                 : adrien
SID
                 : S-1-5-21-1955954324-206265833-1145328094-1105
Surname
                 : Agreste
UserPrincipalName :
```

