

Windows

Disable TLS v1.0 and v1.1 on RDP server

Run as administrator the following script:

```
# Disable TLS 1.0 and 1.1 for both Client and Server

$protocols = @("TLS 1.0", "TLS 1.1")
$baseKey = "HKLM:\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols"

foreach ($protocol in $protocols) {
    foreach ($subKey in @("Client", "Server")) {
        $fullPath = Join-Path -Path "$baseKey\$protocol" -ChildPath $subKey

        # Create key if it doesn't exist
        if (-not (Test-Path $fullPath)) {
            New-Item -Path $fullPath -Force | Out-Null
        }

        # Set the registry values
        New-ItemProperty -Path $fullPath -Name "Enabled" -PropertyType DWORD -Value 0 -Force | Out-Null
        New-ItemProperty -Path $fullPath -Name "DisabledByDefault" -PropertyType DWORD -Value 1 -Force | Out-Null
    }
}

Write-Host "    TLS 1.0 and 1.1 disabled."

# Ensure RDP uses TLS Security Layer

$rdpTcpKey = "HKLM:\SYSTEM\CurrentControlSet\Control\Terminal Server\WinStations\RDP-Tcp"
Set-ItemProperty -Path $rdpTcpKey -Name "SecurityLayer" -Value 3
Set-ItemProperty -Path $rdpTcpKey -Name "MinEncryptionLevel" -Value 3

Write-Host "    RDP Security Layer set to TLS and Encryption Level to High."

# Prompt to restart
Write-Host "`n    A system restart is required for changes to take effect."
```

This will result in:

```
HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\SecurityProviders\SCHANNEL\Protocols
s
For Client and Server for TLS v1.0 and TLS v1.0 to disabled.
```

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