

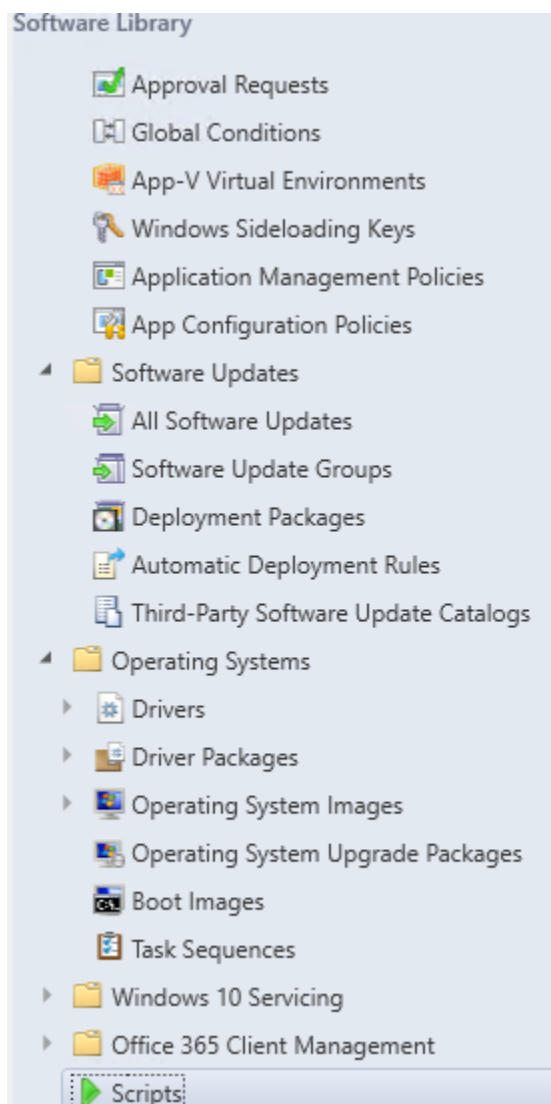
## GPUUPDATE SCRIPT – USERS ONLY

In this post, I will show you how to create script and deploy through Current Branch 1902. This script will run GPUUPDATE / FORCE to complete policy for USERS. It will run as a scheduled task in the background and user will not see any pop-up message during the process.

This script is from this site

<https://ccmexec.com/2019/06/updating-user-gpos-using-run-script-in-configmgr/?unapproved=48411&moderation-hash=2297a038719c85b6ff4e2bbd801741ea#comment-48411>

Open the console and navigate to Software Library





## Script Details

Summary

Progress

Completion

## Specify script details

Specify the script to be executed on client devices.

Script name: Script language: 

Script:

Import

Clear

```

$Task = New-ScheduledTask -Action $Action -Principal $Principal -Settings $Settings
Register-ScheduledTask $TaskName -InputObject $Task | out-null
Start-ScheduledTask $TaskName | out-null

# Wait for Schedule task to complete
$Counter = 200 # 40 s
while ((Get-ScheduledTask -TaskName $TaskName).State -ne 'Ready' -and $Counter-- -gt 0) {
    Start-Sleep -Milliseconds 200
}

if ($Counter -lt 0) {
    Write-Output "Timeout waiting for Scheduled Task"
    exit 1
}

# Verify Result
$St = Get-ScheduledTask -TaskName $TaskName
$Result = (Get-ScheduledTaskInfo -InputObject $St).LastTaskResult
if ($Result -eq 0) {
    Write-Output "Completed Successfully"
}
else {
    Write-Output "Error running Schedule task, error code = $(0x{0:x}) f $Result"
}

# Cleaning up
Unregister-ScheduledTask -TaskName $TaskName -Confirm:$false
Remove-Item -Path "$env:Windir\RunUserGPO.vbs" -Force
  
```

&lt; Previous

Next &gt;

Summary

Cancel



## Script Details

Summary

Progress

Completion

## Confirm the details

Details:

**Script details**

Script Name: 001 Update User GPO  
Script Type: PowerShell

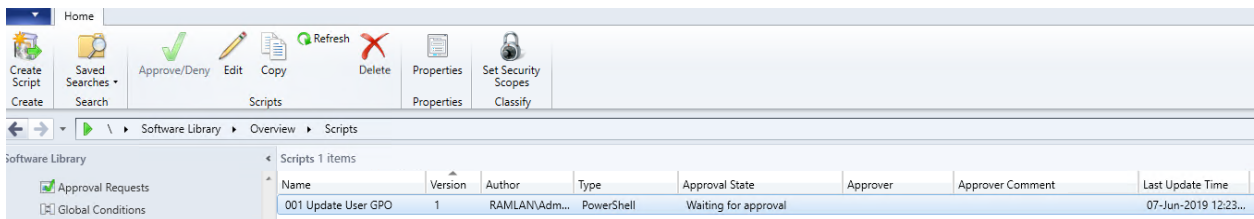
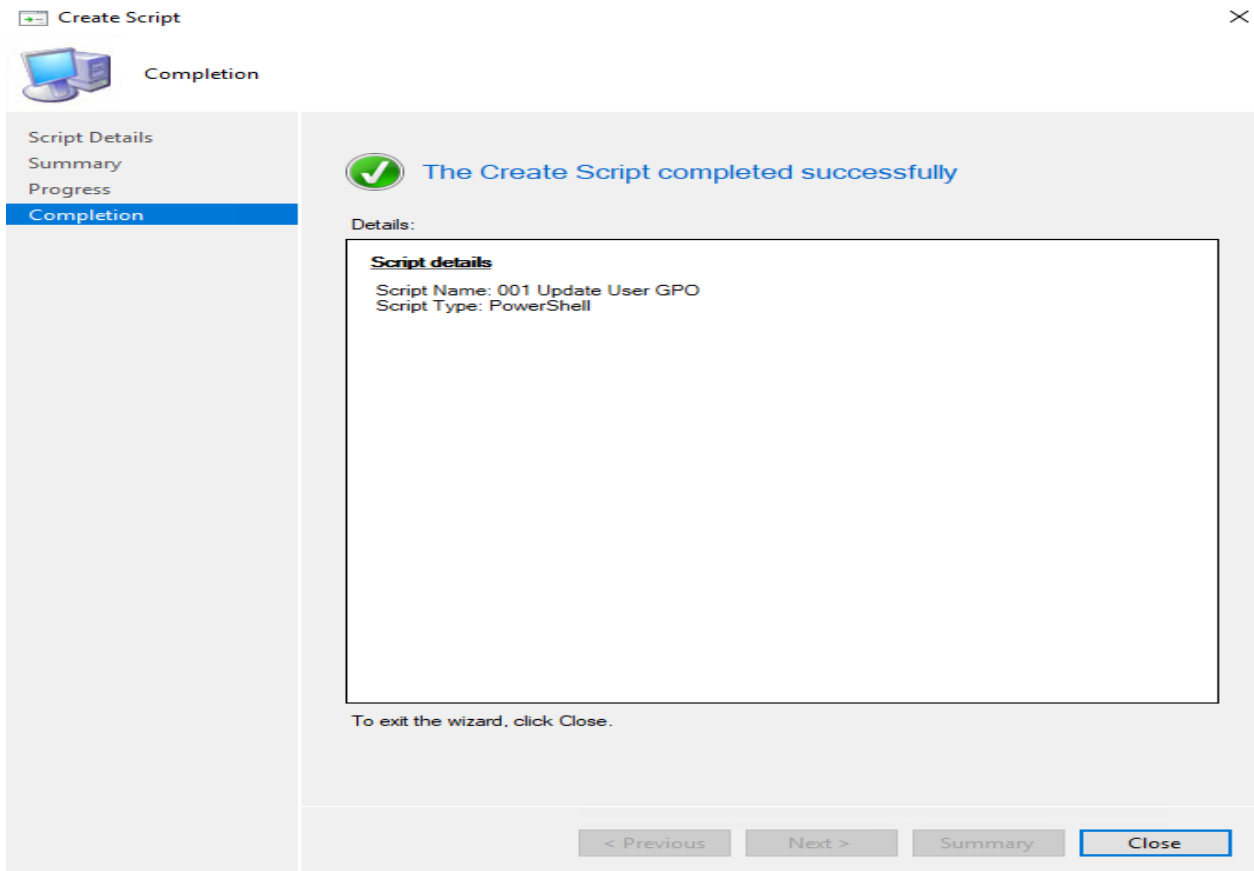
To change these settings, click Previous. To apply the settings, click Next.

&lt; Previous

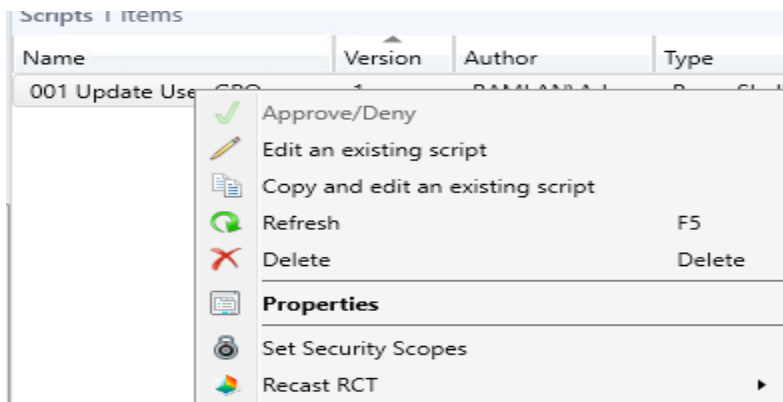
Next &gt;

Summary

Cancel



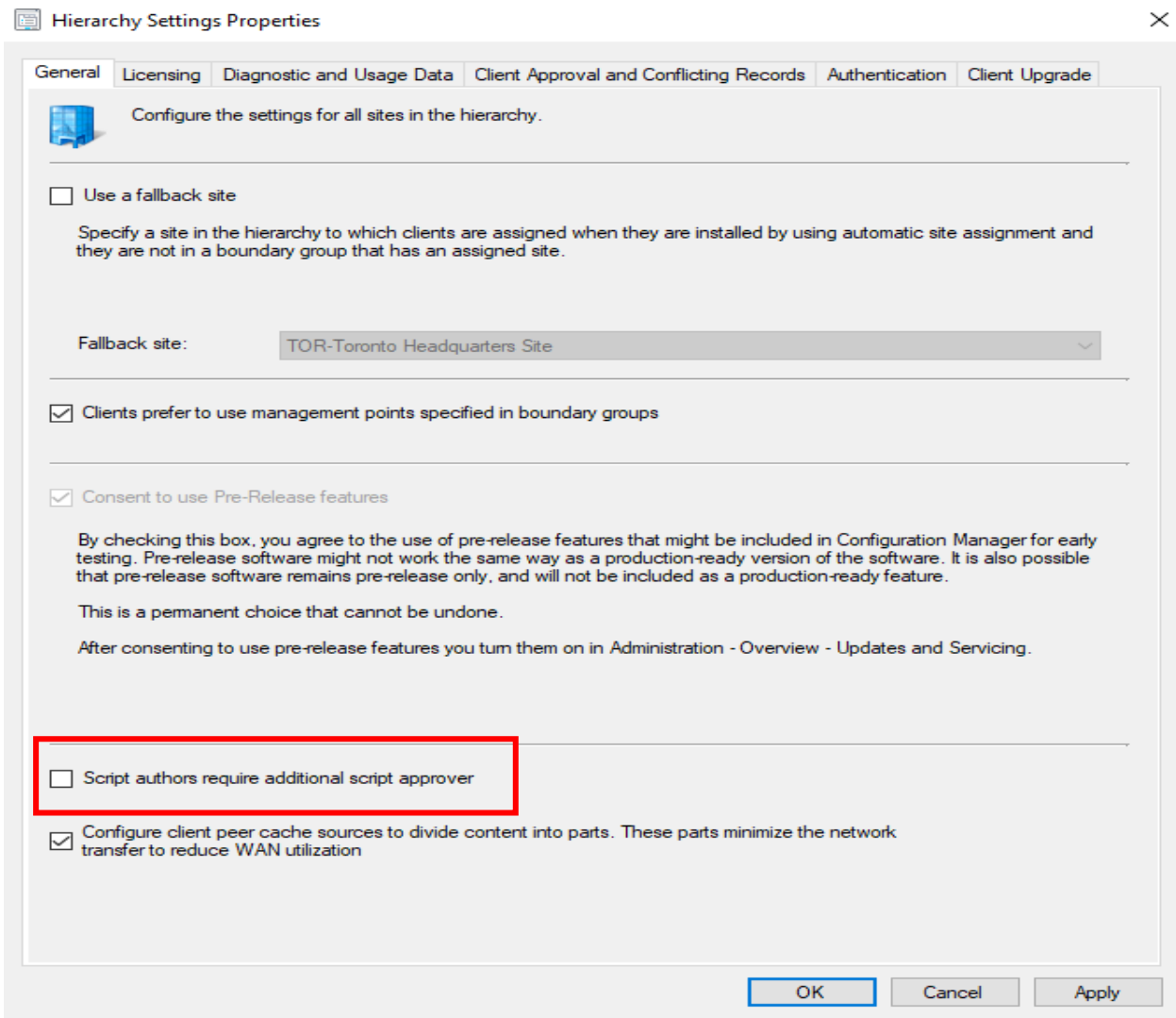
As you can see the Approve/Deny is grayed out. Reason is same person creating the script cannot approve. This is a security feature to protect unwanted script being executed without proper authorization. If you want to enable anybody to run the script – follow below steps.



## Allow users to approve their own scripts

This approval is primarily used for the testing phase of script development.

1. In the Configuration Manager console, click **Administration**.
2. In the **Administration** workspace, expand **Site Configuration**, and then click **Sites**.
3. In the list of sites, choose your site and then, on the **Home** tab, in the **Sites** group, click **Hierarchy Settings**.
4. On the **General** tab of the **Hierarchy Settings Properties** dialog box, clear the checkbox **Script authors require additional script approver**.



Hierarchy Settings Properties

General Licensing Diagnostic and Usage Data Client Approval and Conflicting Records Authentication Client Upgrade

Configure the settings for all sites in the hierarchy.

Use a fallback site

Specify a site in the hierarchy to which clients are assigned when they are installed by using automatic site assignment and they are not in a boundary group that has an assigned site.

Fallback site: TOR-Toronto Headquarters Site

Clients prefer to use management points specified in boundary groups

Consent to use Pre-Release features

By checking this box, you agree to the use of pre-release features that might be included in Configuration Manager for early testing. Pre-release software might not work the same way as a production-ready version of the software. It is also possible that pre-release software remains pre-release only, and will not be included as a production-ready feature.

This is a permanent choice that cannot be undone.

After consenting to use pre-release features you turn them on in Administration - Overview - Updates and Servicing.

Script authors require additional script approver

Configure client peer cache sources to divide content into parts. These parts minimize the network transfer to reduce WAN utilization

OK Cancel Apply

Name	Version	Author	Type	Approval State	Approver	Approver Comment	Last Update Time
001 Update User GPO	1	RAMLAN\Administrator	PowerShell	Waiting for approval			07-Jun-2019 12:23 PM

**Approve or Deny Script** X



- Script Details
- Script Approval
- Summary
- Progress
- Completion

### Specify script details

Specify the script to be executed on client devices.

Script name:

Script language:

Script:

```
# Script to update User GPO from System context using a Schedule Task
# Written by Jörgen Nilsson
# ccmexec.com

# Creates a local vbscript, which will run GPUpdate without displaying anything for the end user
$VBScript = @"
Set objShell = WScript.CreateObject("WScript.Shell")
Result = objShell.Run ("cmd /c echo n | gpupdate /target:user /force",0,true)
Wscript.quit(Result)
"@

$VBScript | Out-File -FilePath "$env:Windir\RunUserGPO.vbs" -Force

# Gets the logged on user
$computer = $env:COMPUTERNAME
$computerSystem = Get-WMIObject -class Win32_ComputerSystem -ComputerName $computer
$LoggedUser = $computerSystem.UserName
If ($LoggedUser -eq $null) {
    Write-output "No user logged on"
    Exit 1
}

# Creates and run a Schedule Task as the logged on user
$TaskName = "GPupdateUser"
$action = New-ScheduledTaskAction -Execute "wscript.exe" -Argument "$env:Windir\RunUserGPO.vbs /NoLogo"
$Principal = New-ScheduledTaskPrincipal "$LoggedUser"
$Settings = New-ScheduledTaskSettingsSet
```



Script Approval

Script Details

Script Approval

Summary

Progress

Completion

### Approve or deny script

This script requires approval before it can run.

Script Approval

- Approve
- Deny

Approver comment:

< Previous

Next >

Summary

Cancel



Summary

Script Details

Script Approval

Summary

Progress

Completion

### Confirm the details

Details:

**Script details**

Script Name: 001 Update User GPO  
Script Type: PowerShell

**Approval details**

Approval state: Approved  
Additional comment:

To change these settings, click Previous. To apply the settings, click Next.

< Previous

Next >

Summary

Cancel



Completion

- Script Details
- Script Approval
- Summary
- Progress
- Completion**



The Approve or Deny Script completed successfully

Details:

**Script details**

Script Name: 001 Update User GPO  
Script Type: PowerShell

**Approval details**

Approval state: Approved  
Additional comment:

To exit the wizard, click Close.

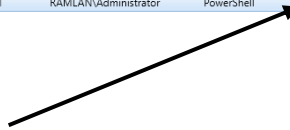
- < Previous
- Next >
- Summary
- Close**

Home

Create Script | Saved Searches | Approve/Deny | Edit | Copy | Refresh | Delete | Properties | Set Security Scopes

Software Library > Overview > Scripts

Name	Version	Author	Type	Approval State	Approver	Approver Comment	Last Update Time
001 Update User GPO	1	RAMLAN\Administrator	PowerShell	Approved	RAMLAN\Administrator		07-Jun-2019 12:23 PM



To run the script, select the device or device collection. In this example I choose DC. Even though we selected Computer Name DC the script runs GPUUPDATE / FORCE for USER. See Event ID 1503

The screenshot shows the Microsoft Intune console interface. The top navigation pane shows 'Assets and Compliance' > 'Overview' > 'Devices'. The main area displays a list of 14 devices. The 'DC' device is selected, and a context menu is open with the 'Run Script' option highlighted.

Icon	Name	Client	Primary User(s)
	192.168.0.1	No	
	AZUREADSSOACC	No	
	CB	Yes	
	DC		
	EX2		
	OF		
	OM		

Below the device list, the 'Run Script' dialog is open. The left sidebar shows 'Run Script', 'Summary', 'Select script to run', and 'Script Status Monitoring'. The main area is titled 'Select script to run' and contains the instruction: 'Choose a script to deploy to the selected resource. Only approved scripts are listed.'

Script Name	Script Type	Script GUID
001 Update User GPO	PowerShell	8EB09350-717B-4...

At the bottom of the dialog, there are navigation buttons: '< Previous', 'Next >', 'Summary', and 'Cancel'.





Summary

Run Script

Summary

Select script to run

Script Status Monitoring

Confirm the script details before running the script.

Details:

**Script execution details**

Script Name: 001 Update User GPO  
Script Type: PowerShell

You selected 1 resources. Clients that are online will be notified to Select script to run as soon as possible. Click Next to continue.

To change these settings, click Previous. To apply the settings, click Next.

< Previous

Next >

Summary

Cancel



Script Status Monitoring

Run Script

Summary

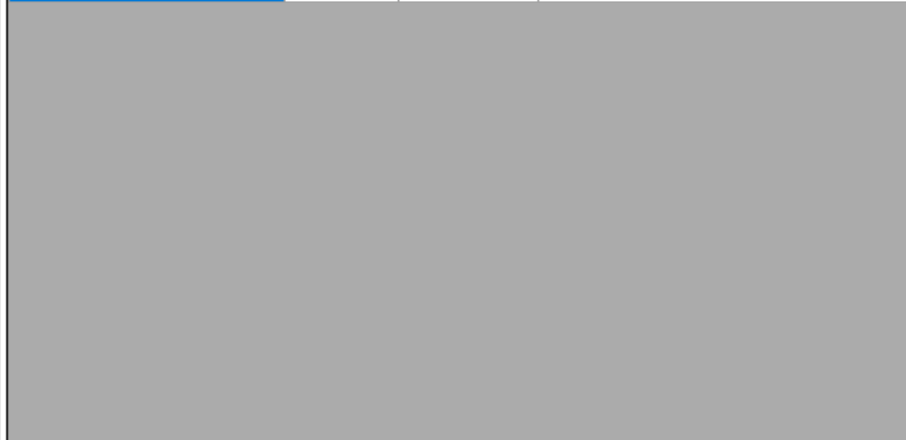
Select script to run

Script Status Monitoring

Script status

Script completed.

Device name	Status	Exit code	Script output
DC	1	0	Completed Successfully



Script Details | Run Details

You can also view script status in the monitoring workspace in the script status node.

< Previous

Next >

Summary

Close

Event Viewer

File Action View Help



- Event Viewer (Local)
  - Custom Views
    - Server Roles
    - Administrative Events
  - Windows Logs
    - Application
    - Security
    - Setup
    - System
    - Forwarded Events
  - Applications and Services Logs
    - Subscriptions

System Number of events: 374

Level	Date and Time	Source	Event ID	Task Category
Information	07-Jun-2019 12:48:58 PM	Service Control Manager	7036	None
Information	07-Jun-2019 12:46:58 PM	Service Control Manager	7036	None
Information	07-Jun-2019 12:46:58 PM	Service Control Manager	7036	None
Information	07-Jun-2019 12:46:58 PM	GroupPolicy (Microsoft-Wind...	1503	None
Information	07-Jun-2019 12:44:58 PM	Service Control Manager	7036	None
Information	07-Jun-2019 12:41:30 PM	Service Control Manager	7036	None
Information	07-Jun-2019 12:39:29 PM	Service Control Manager	7036	None
Information	07-Jun-2019 12:34:56 PM	Service Control Manager	7036	None
Information	07-Jun-2019 12:27:06 PM	Service Control Manager	7036	None
Information	07-Jun-2019 12:25:30 PM	Service Control Manager	7036	None

Event 1503, GroupPolicy (Microsoft-Windows-GroupPolicy)

General Details

The Group Policy settings for the user were processed successfully. New settings from 10 Group Pol

Log Name: System  
Source: GroupPolicy (Microsoft-Win Logged: 07-Jun-2019 12:46:58 PM  
Event ID: 1503 Task Category: None  
Level: Information Keywords:  
User: RAMLAN\administrator Computer: DC.RAMLAN.CA  
OpCode: (1)  
More Information: [Event Log Online Help](#)

Under Monitoring tab, you can see the status of script execution (Success or Failure)

The screenshot shows the SCCM Monitoring console. The left-hand navigation pane is expanded to 'Monitoring' > 'Script Status'. The main area displays a table of script execution items. A black arrow points to the 'Succeeded' status in the 'Overall Script Execution State' column for the first row.

Client Operation ID	Script Name	Collection ID	Last Update Time	Overall Script Execution State	Script Version
16777219	001 Update User GPO		07-Jun-2019 12:47 PM	Succeeded	1
16777220	001 Update User GPO		07-Jun-2019 12:53 PM	Succeeded	1

Below the table, the details for the selected script '001 Update User GPO' are shown:

**001 Update User GPO**

General

Script Name: 001 Update User GPO  
Script GUID: 8EB09350-7178-4F98-8663-17F9323F6B80  
Collection ID:  
Last Update Time: 07-Jun-2019 12:47 PM  
Total Clients: 1  
Overall Script Execution State: Succeeded

Script Completion:

Related Objects: [Scripts](#)

Legend:

- Completed: 1
- Not Applicable: 0
- Failed: 0
- Unknown: 0
- Offline: 0

You can also check the logs after running the script. These are the ones:

BgbServer.log

CcmNotificationAgent.log

Script.log

This concludes on how to create and run scripts in Current Branch 1902.

Thanks

**Ram Lan**  
**7<sup>th</sup> Jun 2019**