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SMI Windows MSI File User Manual

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1. Overview

In this tutorial, SMI will show you how to use Group Policy to deploy software on computers and users. In this example, we will deploy "Windows 11, Windows 10 Driver MSI" on computers and user via Group Policy.

2. Deploy Software by using Group Policy

This chapter introduces the functions of Windows 11, Windows 10 Driver MSI file and the suggested steps to use the driver.

Here it shows a way to get the Windows 11, Windows 10 Driver MSI file.

 Download "Windows 11, Windows 10 Driver MSI" : <u>https://www.siliconmotion.com/downloads/index.html:</u>

Windows
OS Description
Windows 11, Windows 10 Driver
Windows 11, Windows 10 Driver MSI
Windows 11, Windows 10, windows 8.1, Windows 7 Legacy Driver

2.1 Create a Network Share for the MSI Installation File

The first step is to ensure you have a secure shared folder for the MSI file, so users from other computers can access it. You aren't able to replicate the MSI file to computers; they will run in the form of a network share.

Steps to create a secure network share:

Select a server that everyone can access to configure the shared folder.

We are using a 2019 Windows server. Please create a folder called "Windows_msi" to store the installed files. You can name your folders whatever you want.



Right-click the folder named "Windows_msi", and then click the "Sharing" tab and "Advanced Sharing".

	iows_msi	Propertie	5	
General	Sharing	Security	Previous Versions	Customize
Netwo	ork File and	I Folder Sh	aring	
1	Windo	ws_msi 1		
Netw \\WI	ork Path: N-7KD6U5	1112l\Win	dows_msi	
S	hare			
Advar	nced Shari	ng		
Set c adva	ustom pern nced sharir	nissions, cr ng options.	eate multiple shares	, and set other
	Advance	d Sharing		

On the screen of Advanced Sharing, click "Share this folder". The share name can be whatever you want, but here we called it "Windows_msi".

Now click the "Permissions" button .

Share this fok	g Jer	
ttings		
Share name: Windows_ma	, 2	```
Add	Remove	
limit the num	har of cimultaneous usars to:	
chine one man	ber of sinulatieous users to.	16777.
Comments:	ler of sinularieous users to:	16777.
Comments:	ler of sinultaneous users to:	16777
Comments: 3 Permission	s Caching	16777

Now add computers and users.

	si	2	×
Share Permissions			
Group or user names:			
Administrators (CHERRY	ministrators)		
	Add	Remove	
Permissions for Everyone	Allow	Deny	
Full Control			
Change			
-	÷		
Read			

Test the access to the network share on a remote computer. On the remote computer in the search box, type the \\hostname\sharename. In this document, server name is "192.168.0.11" and the share name is "Windows_msi".



If you can access the share, you will see a list of files.

That completes the network share configuration. In the next section, we will configure the GPO for the software deployment on computers and users.

2.2 Create GPO to Deploy Software on Computers

Group policy includes the settings for target computers and for target users. In this section, we will target the computer to deploy the software. That means the software installation can be done for anyone that logs into the computer.

Please open "Group Policy Management":

🚡 Server Manager					- 🗆 X
€ → Server M	anager • Local Ser	ver	• (3) 🍢 Manage	Tools View Help
Dashboard Local Server All Server	Computer name Domain	WIN-7KD6U5I112I cherty.cc	Last installed updates Windows Update Last checked for updates	11/25/2022 1:05 AM Download updates only, us 11/29/2022 1:04 AM	Active Directory Administrative Center Active Directory Dominis and Trusts Active Directory Lightweight Directory Services Setup Wizard Active Directory Module for Windows PowerShell Active Directory Sites and Services
AD DS AD DS AD LDS AD LDS BDNS File and Storage Services ▷ Constant Services ▷ Constant Services ▷	Windows Defender Firewall Remote management Remote Desktop NIC Teaming Ethernet 5	Domain: Off Enabled Disabled Disabled Multiple IPv4 addresses, IPv6 enabled	Windows Defender Antivirus Feedback & Diagnostics IE Enhanced Security Configuration Time zone Product ID	Real-Time Protection: On Settings n On (UTC-08:00) Pacific Time (U Not activated	Active Directory Users and Computers ADSI Edit Component Services Computer Management Defragment and Optimize Drives Dirk Cleanup DNS
C Network Controller	Operating system version Hardware information	Microsoft Windows Server 2019 Datacenter Gigabyte Technology Co., Ltd. 885M-D3H	Processors Installed memory (RAM) Total disk space	Intel(R) Pentium(R) CPU G3 3.82 GB 97.06 GB	Event Viewer Group Policy Management Internet Information Services (IIS) Manager ISCSI Initiator Local Security Policy Microsoft Azure Services
	All events 62 total	ρ (ii) ▼ (ii) ▼			ODBC Data Sources (22-bit) ODBC Data Sources (64-bit) Performance Monitor Print Management
	Server Name ID WIN-7KD6U5I1121 1112 WIN-7KD6U5I1121 108 WIN-7KD6U5I1121 104 WIN-7KD6U5I1121 1112	Severity Source Warning Microsoft-Windows-GroupPolicy Warning Application Management Group Policy Warning Application Management Group Policy Warning Microsoft-Windows-GroupPolicy	Log Date a System 3/19/2 System 3/19/2 System 3/19/2 System 3/19/2	nd Time 024 7:16:39 AM 024 7:16:39 AM 024 7:16:39 AM 024 5:39:39 AM	Recovery Drive Registry Editor Resource Monitor Services System Configuration System Information
					Task Scheduler Windows Defender Firewall with Advanced Security Windows Memory Diagnostic Windows PowerShell (k86) Windows PowerShell (k86) Windows PowerShell (SE (k86) Windows PowerShell (SE (k86)

In the group policy management, you can create "New Organizational Unit", named "SMI_Deploy_Software".

K Group Policy Management	- 🗆 X
📓 File Action View Window Help	- <i>e</i> ×
🗢 🔿 🔁 💼 🗈 🛯 📴 🧟 📲 📷	
Group Policy Management A Forest: cherry.cc Status Linke Create a GPO in this domain, and Link it here Link an Existing GPO Block Inheritance Group Policy Modeling Wizard Rew Organizational Unit Site Gro Gro Change Domain Controller Remove Active Directory Users and Computers View New Window from Here Refresh Properties	Series Policy Objects Group Policy Inheritance Delegation as of Active Directory and SYSVOL (DFSR) replication for this up Policy. J5I112I.cherry.cc is the baseline domain controller for t <u>Change</u> Information exists for this domain. ton below to gather infrastructure status from all of the domain .
Help	Detect Now
Create a new Organizational Unit	

It's recommended to create a new GPO for the software installation in the SMI_Deploy_Software. Do not add these settings to the Default Domain Policy.

Group Policy Management					122		×
📓 File Action View Window Help						-	£ ×
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Group Policy Management	SMI_D	eploy_Software Group Policy Objects	e Group Policy Inheritance	Delegation			
✓ in cherry.cc		Link Order	GPO	Enforced	Link Ena	bled	G
SMI Deploy Software	金	1	Appinstall	No	Yes		E
AppInstall AppInstall SMIUSBDisg Link an E Sig Group Policy O Sig Starter GPOs Group Policy Modeline Group Policy Modeline Group Policy Results View New Win	GPO in this xisting GPO veritance olicy Update olicy Model anizational	domain, and Link if ing Wizard Unit Here	>				
Delete Rename Refresh Propertie Help	5						>

In this example, we are going to install "SMIUSBDisplaySW" on all of the computers, so we will create and link the GPO to the SMI_Deploy_Software.

Give the GPO a name, and we name it "SMIUSBDisplay_install" here.

Edit the new GPO:

K Group Policy Management			- 0	х
File Action View Window Help			-	8 X
Group Policy Management Group Policy Management Group Policy Management Group Policy Management Group Policy Cc SMI_Deploy_Software Group Policy Objects SMIUSBDisplay_in Edit SMIUSBDisplay_in Children Group Policy Objects Starter GPOS Group Policy Modeling Group Policy Results View Dele Ren Refr Help	SMIUSBDisplay_install Scope Details Settings Deleg Links Display links in this location: The following sites, domains, and C Location Cocation Coca	pation chemy.cc DUs are linked to this GPO: Enforced No apply to the following groups, use move Properties g WMI filter:	Link Enabled P Yes c rs, and computers:	≻ Path heny >
Open the GPO editor				

Enter "Group Policy Management Editor", and then select: Computer Configuration > Policies > Software Settings > Software installation Right click "Software installation" and select New > Package



On the screen, browse to the network share with the path you share the msi driver, select the MSI you want to install, and click open. **DO NOT browse with the local drives, or the installation will fail.**



On the software deploying screen, click "Assigned" and then click "OK". The option "Published" will be grayed out as that option can only be used when deploying the software to users.

 SMIUSBDisplay_install [WIN-7KI Computer Configuration Policies Software Settings Software installat 	Name Version C	Deployment st., Source re are no items to show in this view.	
 Windows Settings Administrative Temp Preferences User Configuration 	Deploy Software Select deployment method: Published Assigned Advanced Select this option to Assign the applic	ation without modifications.	

The GPO configuration compelets with the steps above. The GPO settings should be looked like this.



The software will only be installed during a reboot and it's required to have the computer with its GPO settings updated. GPO settings will be refreshed automatically every 90 minutes. To force the GPO settings, you can use the "gpupdate /force" command.



When you run the gpupdate command, you will get a message saying one or more settings must be processed before the system gets started or a user logs in. It shows that the software is installed by GPO and is expected. Type "Y" to restart the computer. The software will be installed on the reboot.

2.3 GPO Settings to Install Software for Users Only

If you want to install software to specific users, just apply the "User configuration" GPO settings instead of the "Computer Configuration".

File Action View Help Image: SMIUSBDisplay, install [WIN-7Kt] Name Version Deployment st. Source		
← ➡ Ź 📷 🖾 🐼 👔 🖬		
SMIUSBDisplay install [WIN-7KI] Name		
 Computer Configuration Policies Software Settings Software installat Windows Settings Administrative Temp Preferences User Configuration Policies Software Settings Software Settings 		
> 🔛 Windc New > Package		
> Admir View >		
> 🔛 Windc Paste		
> 🐼 Contro Refresh		
Export List		
Properties		
Help		
< >>		

On the "Deploy Software" screen, click "Assigned" and then click "OK".

SMIUSBDisplay_install [WIN-7KI Computer Configuration Computer Policies Software Settings	Name Version Deployment st There are no items	. Source to show in this view.
 Software installat: Mindows Settings Administrative Temp Preferences User Configuration Policies Software Settings Software installat Software installat Software installat Mindows Settings Administrative Temp Preferences Windows Settings Ontrol Panel Settings Control Panel Settings 	Deploy Software Select deployment method: Published Advanced Select this option to Assign the application without mod OK	X ifications. Cancel

To force the GPO settings, you can use the "gpupdate /force" command.



Please input "Y" then the software will get installed.