

Drivve | Print 4: How Do I Configure Notifications with Windows Messages?

Knowledge base article #5793

To activate Drivve | Print notifications with Windows messages (msg.exe), follow the 3 steps described in this document.

Step 1 - User Workstations

First, user workstations do not accept Remote Procedure Calls (RPC) by default. This is needed in order to properly receive Windows Messages. Enabling it is usually done through a GPO, setting the value 1 for the following registry key:

HKEY_LOCAL_MACHINE\SYSTEM\CurrentControlSet\Control\TerminalServer

Note For more information, refer to: <u>https://technet.microsoft.com/fr-fr/library/ff710472(v=ws.10).aspx</u>

- 1. Go to the domain controller.
- 2. Go to Start > Administrative Tools > Group Policy Object
- 3. In the navigation area on the left-hand side, click the required domain and navigate toGroup Policy Object.



4. Right-click Group Policy Object and click New.



5. Enter a name and click OK.

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6. Right-click the new Group Policy Object and click Edit.



7. In the navigation area on the left-hand side, select Computer Configuration > Preferences > Windows Settings > Registry.



8. Right-click *Registry* and select New > Registry Item.

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Windows Popup Notifier (DEVDC.D) Computer Configuration Foldes Folders Files F	Registry Item Collection Item Registry Wizard	Name There a	Order re no items	Action to show in	Hive this view.	
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	Preferences $$ Extended $$ Standard	/				
Add a new registry item						

9. In the drop-down list **Hive**, select *HKEY_LOCAL_Machine*.

New Registry Prop	erties	×
General Common	1	
Action:	Update	
Hive:	HKEY_LOCAL_MACHINE	
Key Path:		
Value name		
Value type:	REG_SZ	T
Value data:		
(OK Cancel Apply	Help

10. Click the button with the three points to the right of the field**Key Path** and select *HKEY LOCAL MACHINE > SYSTEM > CurrentControlSet > Control**Terminal Server*.

Registry Item Browser			×
Select a registry item.			
	rstemInformation rstemResources rminal Server meZoneInformation opm bflags bstor NN deo df DI		
Name	Туре	Data	
(Default)	REG_SZ	(value not set)	
AllowRemoteRPC	REG_DWORD	0x0000001 (1)	
BB DelayConMgrTimeout	REG_DWORD	0x00000000 (0)	
2010 DeleteTempDirsOnExit	REG_DWORD	0x0000001(1)	
fCredentialLessLogonS	REG_DWORD	0x0000001 (1)	
fCredentialLessLogonS	REG_DWORD	0x0000001(1)	-
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			▶
Refresh	Selec	t Cancel	

11. Click Terminal Server, click AllowRemoteRPC in the lower area of the dialog and click the Select button.



12. In the field Value data, enter the value 1 and click OK.

New Registry Prope	erties	×
General Common		
Action:	Update]
Hive: Key Path:	HKEY_LOCAL_MACHINE]
	AllowRemoteRPC	
Value type:	REG_DWORD	1
Value data:	00000001	1
	Base Hexadecimal C Decimal	
C	K Cancel Apply Help	

Step 2 - Drivve | Print Notification Server

Messages must be sent with a user profile having administrator rights on the user workstations. For security reasons, the Drivve | Print notification feature has been deported to a secondary service called *DrivvePrint Notifaction Server* which is disabled by default. You have to configure this service to start automatically, with a user profile having the previously mentioned rights.

- 1. Open the Windows services overview.
- 2. Select service DrivvePrint Notifaction Server.

🖏 Services								
File Action View	Help							
Services (Local)	🔅 Services (Local)							
	DrivvePrint Notification Server	Name 🔺	Description	Status	Startup Type	Log On As 🔺		
		DCOM Server Process Launcher	The DCOM	Started	Automatic	Local System		
	Start the service	Desktop Window Manager Session Manager	Provides D	Started	Automatic	Local System		
		OHCP Client	Registers a	Started	Automatic	Local Service		
	Description:	Diagnostic Policy Service	The Diagno	Started	Automatic (D	Local Service		
	User Notification service for DrivvePrint	Diagnostic Service Host	The Diagno		Manual	Local Service		
		🔍 Diagnostic System Host	The Diagno		Manual	Local System		
		Diagnostics Tracking Service	The Diagno	Started	Automatic	Local System		
		🔍 Disk Defragmenter	Provides Di		Manual	Local System		
		Sistributed Link Tracking Client	Maintains li	Started	Automatic	Local System		
		Distributed Transaction Coordinator	Coordinate	Started	Automatic (D	Network S		
		ONS Client	The DNS Cl	Started	Automatic	Network S		
		Drivve Supervision Console	Drivve Sup	Started	Automatic	Local System		
		DrivveDM ConversionAgent		Started	Automatic	Local System		
		🔍 DrivveDM Html-Server		Started	Automatic	Local System		
		🔍 DrivveDM Http-Server		Started	Automatic	Local System		
		🔍 DrivveDM Proxy-Server		Started	Automatic	Local System		
		CrivveDM XML-Server		Started	Automatic	Local System		
		🔍 DrivveImage		Started	Automatic	administra		
		DrivveImagePrinterService		Started	Automatic	administra		
		🔍 Drivve Jobs Scheduler			Automatic	Local System		
		🔍 DrivveManagement		Started	Automatic	Local System		
		🔍 DrivvePrint			Automatic	DEVDRIVV		
		🔍 Drivve-Print		Started	Automatic	Local System		
		CrivvePrint Notification Server	User Notifi		Automatic	devdrivve		
		CrivvePrintDatabase		Started	Automatic	Local System		
		CrivvePrintWebServer	Apache/2	Started	Automatic	DEVDRIVV		
	Extended Standard							

- 3. Right-click and select **Properties**.
- 4. On the General tab, change the Startup type from Disabled to Automatic.

DrivvePrint Notific	ation Server Properties (Local Computer)				
General Log On	Recovery Dependencies				
Service name:	DrivvePrintNotificationServer				
Display name:	DrivvePrint Notification Server				
Description:	User Notification service for DrivvePrint				
Path to executabl "C:\Program Files	e: \Drivve\Drivve Print\NotificationServer.exe''				
Startup type:	Automatic				
Help me configure	e service startup options.				
Service status:	Stopped				
Start	Stop Pause Resume				
You can specify the start parameters that apply when you start the service from here.					
Start parameters:					
	OK Cancel Apply				

- 5. On the tab **Log On**, select **This Account** and specify a user profile with the domain name having administrator rights on the user workstations.
- 6. Click OK.

Step 3 - Configure Popup Notifications

Finally, you have to configure the sending of pop notifications in the Drivve | Print administration website.

- 1. Log on to the Drivve | Print administration website.
- 2. Select the menu Advanced Configuration, then go to the Notification menu item.
- 3. Click Notification Configuration (upper right).



4. In the **Windows Popup Notifier** section, tick the **Notifications** checkbox.

Windows Popup Not	ifier						
Notifications	🔽 Allow sending pop	up notifications using the "Remote Desktop Services" protocol (using MSG.exe)					
	Proxy Server	https:// /services/msgq					
		Ex "https://127.0.0.1:5751/services/msgq"					
	Mindows popup notification is not compatible with Windows 2000 workstations! Starting from Windows XP SP2, it is necessary to allow remote RPC by setting the registry value AllowRemoteRPC to 1 under "HKEY_LOCAL_MACHINE\System\CurrentControlSet\Control\Terminal Server".						
	🖳 Default target	localhost					
	Ab Name of Service	DrivePrint					
		Save Cancel					

- 5. Configure the **Proxy Server** field.
- 6. Click the Save button.

After a few seconds, a message is displayed indicating that popup notification is properly conformed.

7. If you do not receive this message, go back to the **Notifications** menu and verify that the Test message Windows notification is correctly enabled (*\$ADMIN* by default).

driv	ve print				<i>`</i>	ser and the second s	vve
	Notifications Notification events list			-	Notification configuration	۹	
Status —							
E-Mai	il 🥑 E-mail notification is enabled. Using SMTP server:	smtp.gmail.com	m				
	The last mail was processed on 22/10 07:35						
	$\mathbf{Z}_{\!\!\boldsymbol{Z}_{\!\!\boldsymbol{Z}}}$ The mail queue is currently empty.						
	Activity since the start of the service: 4 processed,	293 error(s)					
	The last e-mail could not be sent. The Email with no email address sp	following erro ecified dis	or occurred: carded: '[DrivvePrint] The o	levice TOSHIBA	4020 is not resp	onding!'	
Window	s 🕑 The Windows Popup Notification service is enabl	ed.					
Popur	The last notification could not be sent No connection could be made be	. The following cause the t	g error occurred: arget machine actively refu	aed it 127.0.0	.1:5751		
Events —							
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Job Events							
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🤌 🤩 Pag	yment error	\$1	USER + \$QUEUEQUOTA	۷	\$USER + \$QUEUEQUOTA		Τð
Printer Eve	nts	<u>a</u>		~			
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Validation and Troubleshooting

The notification service writes records of its activity in a file named *DrivvePrintNotificationServer.log*. This file is located in the logs subfolder of Drivve | Print. The default path is

C:\Program Files\Drivve\DrivvePrint\logs

- 1. Go to C:\Program Files\Drivve\DrivvePrint\logs.
- 2. Open the file DrivvePrintNotificationServer.log in a text editor (for example notepad).
- Look for a line similar to the following: "InvokeProcessAsync('C:\Windows\System32\msg.exe', '*/SERVER:localhost /TIME:0 /v "The popup notification is properly configured on WIN2008R2US"', ...)"

You can find the command that was executed with the corresponding parameters between single quotes. This allows you to troubleshoot potential notifications issues.

