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Endpoint Applications

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Chapter 1

Applications Monitored in the Endpoint Application Channel for Forcepoint DLP Endpoint

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You can monitor the operations performed by end users on any number of applications to prevent data loss from endpoint clients both on and off network—operations such as file access, cut or copy, and paste.



Note

The Mac Operating System does not support monitoring of cut or copy, and paste actions.

Forcepoint has analyzed the metadata for more than a hundred applications, and has provided templates for these applications so you can monitor them in the Endpoint Application channel.

About this guide

This document lists the predefined application templates by Application Group and lists the operating systems and operations that are monitored. While Forcepoint has analyzed the metadata for these applications, Forcepoint has not formally tested and certified these applications in all environments for each Forcepoint DLP Endpoint release. After selecting a specific application to monitor, test the application file access monitoring in your environment and reconfigure if needed.



Note

In Forcepoint DLP v8.8 and higher, the Forcepoint DLP Endpoint agent for Forcepoint F1E is the standard agent for Forcepoint DLP and Forcepoint Dynamic Data Protection.

This document also describes how to import user-defined applications if desired.

Related concepts

[Importing other applications on page 21](#)

Related reference

[Built-in application templates on page 6](#)

Built-in application templates

In the Forcepoint Security Manager, select **Main > Resources > Endpoint Applications** to choose the applications to monitor for the Endpoint Application channel, or select **Endpoint Application Groups** to select entire groups of applications, such as encryption software or browsers.

Following are the application templates that you can choose to monitor on the endpoint when you set up your endpoint policy in the Forcepoint Security Manager. This includes software applications, web applications, and cloud applications.

Applications supported on Windows endpoints and the type of operations that can be analyzed by Forcepoint DLP.

Group	Application	Windows	Includes	Monitored Operations	Default Operations
Browsers	Chrome	✓		Copy/Cut Paste File Access	Copy/Cut Paste
	Firefox	✓			
	Internet Explorer (IE)	✓			
	Microsoft Edge	✓			
	Opera	✓			
	Safari	✓			
	Tor	✓			
	Torch	✓			
CD Burners	Acoustica MP3 CD Burner	✓		Copy/Cut Paste File Access	Copy/Cut Paste File Access
	Alcohol 120%	✓			
	CD-Mate	✓			
	Disk Utility				
	iTunes	✓			
	Nero Burning ROM	✓			
	Roxio – Easy Media Creator	✓			
	Windows Media Player	✓			

Group	Application	Windows	Includes	Monitored Operations	Default Operations
Cloud Storage	Amazon Cloud Drive			Copy/Cut Paste File Access	Copy/Cut Paste File Access
	Box	✓	Box.com for Windows and Mac; Box store app for Windows		
	Dropbox	✓	Dropbox store app		
	Egnyte	✓		File Access Only	File Access Only
	Google Drive	✓		Copy/Cut Paste File Access	Copy/Cut Paste File Access
	iCloud*	✓	iCloud Drive for both Windows and Mac	File Access	File Access
	OneDrive	✓	OneDrive store app** for Windows	Copy/Cut Paste File Access	Copy/Cut Paste File Access
	Salesforce Files	✓			
	ShareFile	✓			
	Syncplicity	✓			
	WatchDox	✓			
Email	Apple Mail			Copy/Cut Paste	Paste
	Eudora	✓	Eudora Light Eudora Pro	File Access	
	Lotus Notes	✓			
	MailMate	✓			
	Microsoft Outlook	✓			
	Microsoft Outlook Express	✓			
	Mozilla Thunderbird	✓			

Group	Application	Windows	Includes	Monitored Operations	Default Operations
	Pegasus Mail	✓			
	Postbox	✓			
	Sparrow				
	Windows Live Mail	✓			
	Windows Mail	✓			
Encryption Software	DK2 Network Server Remote Monitor - DK2 DESkey	✓		Copy/Cut Paste File Access	File Access
	File Encryption XP	✓			
	Windows Privacy Tray (WinPT)	✓			
FTP	Core FTP LE	✓		Copy/Cut Paste File Access	File Access
	Cute FTP Home 8.2	✓			
	File Transfer Program (Microsoft Utility)	✓			
	FileZilla FTP Client	✓			
	Flash FXP 3.6 build 1240	✓			
	FTP Voyager 15	✓			
	Ipswitch WS FTP Home	✓			
	Leech FTP	✓			
	Serv-U	✓	File Server EXE; File Server Tray Application; FTP Server Setup Utility		
	Smart FTP Client	✓			

Group	Application	Windows	Includes	Monitored Operations	Default Operations
IM and VOIP	Adium			Copy/Cut Paste	File Access Paste
	AIM	✓		File Access	
	Apple Messages				
	Camfrog	✓			
	Cisco WebEx	✓			
	GoToMeeting	✓		Copy/Cut Paste	
	ICQ	✓	ICQ store app (for Windows)	Copy/Cut Paste File Access	File Access Paste
	Jabber Messenger	✓			
	ManyCam	✓			
	Microsoft Lync 2010	✓			
	Miranda IM	✓			
	ooVoo	✓			
	Pidgin	✓			
	Skype for Business	✓			
	TeamViewer	✓			
	Teccent QQ	✓			
	Trillian	✓			
	Viber	✓			
Yahoo! Instant Messenger	✓	Instant Messenger (Windows and Mac); YServer Module Server (Windows)			

Group	Application	Windows	Includes	Monitored Operations	Default Operations
Office Applications	Adobe Reader	✓		Copy/Cut Paste File Access	Copy/Cut
	Bean				
	Eclipse	✓			
	Emacs	✓			
	Evernote				
	Keynote	✓			
	LibreOffice/ Apache OpenOffice	✓			
	Mellel				
	Microsoft Office Access	✓		Copy/Cut Paste File Access	
	Microsoft Office Excel	✓			
	Microsoft Office InfoPath	✓			
	Microsoft OneNote	✓			
	Microsoft Office PowerPoint	✓			
	Microsoft Office Project	✓			
Office Applications (Continued)	Microsoft Office Publisher	✓		Copy/Cut Paste File Access	
	Microsoft Office Visio	✓			
	Microsoft Office Word	✓			
	Notepad	✓			
	Numbers				
	OpenOffice.org Calc	✓			
	OpenOffice.org Draw	✓			
	OpenOffice.org Math	✓			

Group	Application	Windows	Includes	Monitored Operations	Default Operations
	OpenOffice.org Writer	✓			
	Pages				
	Reminders				
	Stickies				
	TextEdit				
	WordPad	✓			
Online Medical (online)	AllegianceMD	✓		Copy/Cut Paste File Access Download	Copy/Cut Download
	eClinicalWorks	✓			
	ECLIPSYS	✓			
	INGENIX	✓			
	inteGreat	✓			
	Sequel	✓			
P2P	Ares	✓		Copy/Cut Paste File Access	File Access Paste
	Azureus	✓			
	BearShare	✓			
	BitComet	✓			
	BitLord	✓			
	BitTornado	✓			
	BitTorrent	✓			
	eMule	✓			
	FrostWire	✓			

Group	Application	Windows	Includes	Monitored Operations	Default Operations
	Kazaa Lite	✓	Kazaa download/ database viewer a - K- Dat; Kazaa QuickLinks Handler/ Generat - K- Sig; klrun: protocol - Kazaa Lite Extension	Copy/Cut Paste File Access	
	LimeWire	✓			
	Pando	✓			
	Transmission	✓			
	uTorrent	✓			
Packaging Software	7-Zip File Manager	✓		Copy/Cut Paste File Access	File Access
	iArchiver				
	WinRAR	✓			
	WinZip	✓			
Portable Devices	Bluetooth Stack COM Server - BTStackServer	✓		Copy/Cut Paste File Access	Copy/Cut Download
	Fsquirt	✓			
	iTunes	✓			
	Wireless Link File Transfer App – Irftp	✓			
	WCESMgr	✓			
Cloud (SaaS)****	Aplicor (online)	✓		Copy/Cut Paste File Access Download	Copy/Cut Download
	CRM.com	✓			
	HostAnalytics	✓			

Group	Application	Windows	Includes	Monitored Operations	Default Operations
	Intacct	✓			
	NetSuite	✓			
	Oracle CRM on demand	✓			
	RightNow	✓			
	Salesforce	✓			
	WorkDay	✓			
None	FoxPro	✓		Copy/Cut Paste File Access	None
	Ld	✓			
	MSTSC	✓			
	NT backup tool	✓			
	Vista backup tool	✓			
	VMWare	✓			

Applications supported on Mac endpoints and the type of operations that can be analyzed by Forcepoint DLP.

Group	Application	Mac	Includes	Monitored Operations	Default Operations
Browsers	Chrome	✓		File Access	
	Firefox	✓			
	Internet Explorer (IE)				
	Microsoft Edge				
	Opera	✓			
	Safari	✓			
	Tor				

Group	Application	Mac	Includes	Monitored Operations	Default Operations
	Torch	✓			
CD Burners	Acoustica MP3 CD Burner			File Access	File Access
	Alcohol 120%				
	CD-Mate				
	Disk Utility	✓			
	iTunes	✓			
	Nero Burning ROM				
	Roxio – Easy Media Creator				
	Windows Media Player				
Cloud Storage	Amazon Cloud Drive	✓		File Access	File Access
	Box	✓	Box.com for Windows and Mac; Box store app for Windows		
	Dropbox	✓	Dropbox store app		
	Egnyte	✓		File Access Only	File Access Only
	Google Drive	✓		File Access	File Access
	iCloud*		iCloud Drive for both Windows and Mac	File Access	File Access
	OneDrive	✓	OneDrive store app** for Windows	File Access	File Access
	Salesforce Files	✓			
	ShareFile	✓			
	Syncplicity	✓			

Group	Application	Mac	Includes	Monitored Operations	Default Operations
	WatchDox	✓			
Email	Apple Mail	✓		File Access	
	Eudora		Eudora Light Eudora Pro		
	Lotus Notes	✓			
	MailMate	✓			
	Microsoft Outlook	✓ ***			
	Microsoft Outlook Express	✓			
	Mozilla Thunderbird	✓			
	Pegasus Mail				
	Postbox	✓			
	Sparrow	✓			
	Windows Live Mail				
	Windows Mail				
	Encryption Software	DK2 Network Server Remote Monitor - DK2 DESkey			
File Encryption XP					
Windows Privacy Tray (WinPT)					
FTP	Core FTP LE			File Access	File Access
	Cute FTP Home 8.2	✓			
	File Transfer Program (Microsoft Utility)				
	FileZilla FTP Client	✓			

Group	Application	Mac	Includes	Monitored Operations	Default Operations
	Flash FXP 3.6 build 1240				
	FTP Voyager 15				
	Ipswitch WS FTP Home				
	Leech FTP				
	Serv-U		File Server EXE; File Server Tray Application; FTP Server Setup Utility		
	Smart FTP Client				
IM and VOIP	Adium	✓		File Access	File Access
	AIM	✓			
	Apple Messages	✓			
	Camfrog	✓			
	Cisco WebEx	✓			
	GoToMeeting	✓			
	ICQ	✓	ICQ store app (for Windows)	File Access	File Access
	Jabber Messenger				
	ManyCam	✓			
	Microsoft Lync 2010	✓			
	Miranda IM				
	ooVoo	✓			
	Pidgin				
Skype for Business					

Group	Application	Mac	Includes	Monitored Operations	Default Operations
	TeamViewer	✓			
	Teccent QQ	✓			
	Trillian	✓			
	Viber	✓			
	Yahoo! Instant Messenger	✓	Instant Messenger (Windows and Mac); YServer Module Server (Windows)		
Office Applications	Adobe Reader	✓		File Access	
	Bean	✓			
	Eclipse	✓			
	Emacs	✓ *			
	Evernote	✓			
	Keynote	✓			
	LibreOffice/ Apache OpenOffice	✓			
	Mellel	✓			
	Microsoft Office Access			File Access	
	Microsoft Office Excel	✓			
	Microsoft Office InfoPath				
	Microsoft OneNote				
	Microsoft Office PowerPoint	✓			

Group	Application	Mac	Includes	Monitored Operations	Default Operations
	Microsoft Office Project				
Office Applications (Continued)	Microsoft Office Publisher			File Access	
	Microsoft Office Visio				
	Microsoft Office Word	✓			
	Notepad				
	Numbers	✓			
	OpenOffice.org Calc	✓			
	OpenOffice.org Draw	✓			
	OpenOffice.org Math	✓			
	OpenOffice.org Writer	✓			
	Pages	✓			
	Reminders	✓			
	Stickies	✓			
	TextEdit	✓			
	WordPad				
Online Medical (online)	AllegianceMD			File Access Download	Download
	eClinicalWorks				
	ECLIPSYS				
	INGENIX				
	inteGreat				
	Sequel				
P2P	Ares			File Access	File Access
	Azureus				
	BearShare				
	BitComet				

Group	Application	Mac	Includes	Monitored Operations	Default Operations
	BitLord				
	BitTornado				
	BitTorrent				
	eMule				
	FrostWire				
	Kazaa Lite		Kazaa download/ database viewer a - K- Dat; Kazaa QuickLinks Handler/ Generat - K- Sig; klrun: protocol - Kazaa Lite Extension	File Access	
	LimeWire				
	Pando				
	Transmission	✓			
	uTorrent	✓			
Packaging Software	7-Zip File Manager			File Access	File Access
	iArchiver	✓			
	WinRAR	✓			
	WinZip	✓			
Portable Devices	Bluetooth Stack COM Server - BTStackServer			File Access	Download
	Fsquirt				
	iTunes	✓			
	Wireless Link File Transfer App – Irftp				
	WCESMgr	✓			

Group	Application	Mac	Includes	Monitored Operations	Default Operations
Cloud (SaaS)****	Aplicor (online)			File Access Download	Download
	CRM.com				
	HostAnalytics				
	Intacct				
	NetSuite				
	Oracle CRM on demand				
	RightNow				
	Salesforce				
	WorkDay				
None	FoxPro			File Access	None
	Ld				
	MSTSC				
	NT backup tool				
	Vista backup tool				
	VMWare				

*File Access only. The copy, cut, and paste operations are not monitored.

**Requires adding the applications `runtimebroker.exe`, `bulkoperationhost.exe`, and `filemanager.exe` to the FTP application group.

***On macOS Big Sur, the new Outlook interface is supported in versions 16.47 and earlier only.

****The cut, copy, paste, file access, and download operations are not monitored for cloud applications on Windows endpoints when they are used through a Windows Store browser. Online application download is not supported in Firefox.

You can also configure the system to block and/or audit screen captures when a specific endpoint application is running. Navigate to the **Resources > Endpoint Applications** page and click on the application name to enable this feature.

Related tasks

[Windows desktop applications](#) on page 21

Importing other applications

If you want to monitor an endpoint application that is not already provided as a template by Forcepoint, follow the instructions below. The instructions vary depending on the operating system, as well as the type of application.

Related tasks

[Windows desktop applications](#) on page 21

[Windows Store applications](#) on page 22

[Mac Applications](#) on page 23

Windows desktop applications

Before you begin

The following applies to Windows applications prior to Windows 8, as well as Windows 8 desktop applications. There are two ways to import applications onto the Forcepoint DLP server for Windows desktop applications:

- 1) Selecting **Main > Resources > Applications > New Application/Online Application**. See [Endpoint Applications](#).
When you add applications using this screen, they are identified by their executable name. Occasionally, users try to get around being monitored by changing the executable name. For example, if you are monitoring “winword.exe” on users’ endpoint devices, they may change the executable name to “winword.exe” to avoid being monitored.
- 2) Using an external utility program, `DSSRegApps.exe`. This method records the application’s metadata, so that Forcepoint DLP can analyze the metadata.
In other words, if the name of the application is modified by an end user, Forcepoint DLP Endpoint can still identify the application and apply policies.



Note

This tool can be copied to any other machine and be executed on it as long as it has connectivity to the Forcepoint Security Manager.

To use the external tool to import applications in the Forcepoint DLP server:

- 1) Go to [%DSS_Home%] directory (Default: `C:\Program Files\WebSense\Data Security Suite`) and double-click `DSSRegApps.exe`. The Get File Properties screen displays.
- 2) Complete the following fields:

Field	Description
IP Address/ Hostname	Insert the IP Address or Hostname of the Forcepoint DLP server.

Field	Description
User Name	Provide the user name used to access the Forcepoint DLP server. This is the user name assigned to administrators that have relevant permissions.
Password	Enter the password used to access the Forcepoint DLP server. This is the password assigned to administrators with relevant permissions.
File Name	Insert the File Name of the application (for example, Excel.exe) or click the Browse... button and in the Open dialog box, navigate to the file name of the application and double-click it.
Display Name	Enter the name of the application as you want it displayed in the Forcepoint Security Manager.

3) Click **OK**.

A message displays indicating that the application was successfully registered with the Forcepoint DLP server. The Get File Properties screen is then re-displayed with the Forcepoint DLP server fields completed, but the File Name and Display Name empty. This allows you to select additional applications to register with the Forcepoint DLP server. Continue this process until all applications are registered. When you are finished adding applications, click the **Cancel** button in the Get File Properties screen.

Related tasks

[Windows Store applications](#) on page 22

Windows Store applications

The following instructions apply only to Windows Store applications, and do not apply to Windows 8/8.1 desktop applications.



Note

To monitor file access on Windows 8 Store applications, you must first add `RuntimeBroker.exe` as an endpoint application and monitor file access on this application. The endpoint monitors all Windows Store applications accessing files through the runtime broker and not just the designated app. `RuntimeBroker.exe` is a Windows desktop application, so follow the instructions in *Windows desktop applications* to add this as an endpoint application.

For Windows 8.1 Store applications, you must add `RuntimeBroker.exe`, `BulkOperationHost.exe`, and `FileManager.exe`.

For Windows 10 Store applications, you must add `RuntimeBroker.exe`, `BulkOperationHost.exe`, `FileManager.exe`, and `DataExchangeHost.exe`.

To import Windows 8 Store applications, select **Main > Resources > Applications > New Application**. See [Endpoint Applications](#).

Windows 8 Store applications are identified by their application name. You should use this name in the executable name field on this screen. Wildcards are supported.

To identify the application name:

- 1) Open **PowerShell** (run as administrator if you want to collect Windows 8 Store applications for all users, or run as the current user if you want to collect applications for the current user).
- 2) Run the command “Get-AppXpackage -Allusers” to list applications for all users (requires you to run PowerShell as administrator).
or
Run the command “Get-AppXpackage” to list applications for the current user.
- 3) Find the application name located in either the **Name** field or **PackageFullName** field.
 - a) When entering the value from the **Name** field into Forcepoint DLP, you must add the wildcard “*” after the application name (for example, microsoft.microsoftedrive*). This method allows for greater flexibility when the application version changes.
 - b) When entering the value from the **PackageFullName** field into Forcepoint DLP, no wildcard is necessary, but you will need to update the value if the application version changes.

Related tasks

[Windows desktop applications](#) on page 21

Mac Applications

Before you begin

To import Mac applications, select **Main > Resources > Applications > New Application**. See [Endpoint Applications](#).

To find the value to enter for Mac applications:

- 1) Locate the application you want to monitor.
- 2) Right-click on the application and click **Show Package Contents**.
- 3) Open the file `info.plist` in the **Contents** folder.
- 4) Look for the key(s) **CFBundleName** and enter the value of the string(s) under it (for example, for “<string>Example</string>” enter “Example”).
- 5) If there is no key by that name, or no `info.plist` file, use the process(es) name(s).

If there are multiple **CFBundleName** keys and/or multiple string entries below the key(s), each string value must be added separately.

Very rarely, applications will launch other processes along with the main application. These processes should be added as endpoint applications as well. To know what processes belong to an application you need to see what processes are created when opening an application, for example by using **Activity Monitor**.

