Microsoft Office 365

Last Modified: Thursday, April 25, 2024

Event Source Product Information:

Vendor: Microsoft

Event Source: Office 365

Versions: API v1.0

RSA Product Information:

Supported On: Security Analytics 11.3 and later

Event Source Log Parser: cef, msoffice365 (v11.5 & beyond)

Note: The CEF and msoffice365 parsers parse this event source as device.type=msoffice365.

Collection Method: Plugin Framework

Event Source Class.Subclass: Host.Cloud

Note: For 11.5.x and beyond, NetWitness can now parse JSON event data directly on the Log Decoder and there is no need to transform logs into CEF. Previously, plugins had to be tailored to each JSON schema individually. Now, all of the raw JSON event data can be sent straight to the Log Decoder. In v11.5, the plugin can collect logs in JSON event data and will pass them through to Log decoder directly in RFC 5424 format by adding a header, and it will be parsed by the JSON parser instead of the CEF parser (based on Raw JSON Event Parameter setting).

Collecting Office 365 Events in NetWitness Platform

Office 365 is a Web-based version of Microsoft's Office suite of enterprise-grade productivity applications. Office 365 is delivered to users through the cloud and includes Exchange Online for email, SharePoint Online for collaboration, Lync Online for unified communications, and a suite of Office Web Apps (web-based versions of the traditional Microsoft Office suite of applications).

The Office 365 integration consumes activity logs using the Office 365 Management Activity API. The Office 365 Management Activity API aggregates actions and events into tenant-specific content blobs, which are classified by the type and source of the content they contain. Currently, these content types are supported:

- Audit.AzureActiveDirectory
- Audit.Exchange
- Audit.SharePoint
- Audit.General (includes all other workloads not included in the previous content types)
- DLP.All (DLP events only for all workloads)

Note: Advanced Threat Protection and Threat Intelligence events are available under the Audit.General resource group.

For more details, see the following Microsoft Office 365 web pages:

- Getting Started: https://docs.microsoft.com/en-us/office/office-365-management-api/office-365-management-activity-api-reference
- Schema: https://docs.microsoft.com/en-us/office/office-365-management-api/office-365-management-activity-api-schema

The following sections describe how to configure Office 365 as an event source:

- Configure the Office 365 Event Source
- Set Up the Office 365 Event Source in NetWitness Platform
- Office 365 Collection Configuration Parameters

Configure the Office 365 Event Source

Perform the following tasks to configure your event source:

- I. Begin Recording User and Admin Activity
- II. (Optional) Enable Audit Logs
- III. Use the Azure Management Portal to Register an Application
- IV. Deploy the Office 365 Files from [[[Undefined variable SAVariables.ProductName]]] Live
- V. Enable Subscription

For more information on Office 365, see the following Microsoft URLs:

- Office 365 Management API getting started: https://msdn.microsoft.com/en-us/office-365/get-started-with-office-365-management-apis
- Enable mailbox auditing in Office 365: https://technet.microsoft.com/en-us/library/dn879651.aspx

Begin Recording User and Admin Activity

This section describes how to begin recording user and admin activity.

- 1. Go to admin portal for Office365: https://portal.office.com/adminportal/home#/homepage.
- 2. Go to Admin centers > Security and Compliance > Audit Log Search and enable logging. If logging has already been enabled, you may not see the option to enable logs.

Note: It make take up to 24 hours for some logs to appear once logging has been enabled.

	Office 365 Security & Con	npliance								Q	۵	?
G	Data loss prevention	~	Home > Audit log sean	ch								
Ga	Records management	\sim	Audit log sea	rch								
A	Data governance	~	Need to find out if a user d You'll be able to find activit	eleted a document or if y related to email, grou	an admin reset someo ps, documents, permise	ne's password? Search ions, directory service	the Office 365 audit log t is, and much more. Learn	o find out what the use more about searching t	rs and admins in your or <mark>he audit log</mark>	ganization	have be	en doing
Ø	Supervision		Search		Results							
			Activities		Date 🔻	IP address	User	Activity	Item	Detail		
&	Threat management	\sim	Show results for all activ	ities 👻								
			Start date				Run a search to view results					
	Mail flow V	\sim	2019-06-03	• 00:00								
ß	Data privacy	\sim	End date									
0	Search	~	2019-06-11	00:00 ¥								
/-			Users									
	Content search □ [*]		Show results for all users									
	Audit log search		File, folder, or site 🕕									
Ģ	eDiscovery	~	Add all or part of a file n or URL.	ame, folder name,								
k	Reports	~ .			4							

(Optional) Enable Audit Logs

Note: This step is only required if you wish to consume Audit.Exchange logs. Mailbox auditing is enabled by default in all organizations. Please check link for more details: Manage mailbox auditing If it is not enabled, please perform below steps or follow Manage mailbox auditing.

In order to track all activities performed on all mailbox in an organization you need enable audit through a Powershell command.

- 1. Connect to Exchange Online using remote PowerShell
 - a. Open Windows PowerShell and run the following command:

\$UserCredential = Get-Credential

- b. Type user name and password for an Office 365 global admin account, and then click OK.
- c. Run the following command:

```
$Session = New-PSSession -ConfigurationName Microsoft.Exchange -
ConnectionUri https://outlook.office365.com/powershell-liveid/ -
Credential $UserCredential -Authentication Basic -AllowRedirection
```

Import-PSSession \$Session

d. To verify, run the following command:

Get-Mailbox

- 2. Enable mailbox audit logging.
 - Below command enables mailbox audit logging for Pilar Pinilla's mailbox:

Set-Mailbox -Identity "Pilar Pinilla" -AuditEnabled \$true

• Below command enables mailbox audit logging for all user mailboxes in your organization:

```
Get-Mailbox -ResultSize Unlimited -Filter {RecipientTypeDetails -eq
"UserMailbox"} | Set-Mailbox -AuditEnabled $true
```

3. Specify owner actions to audit.

Below command specifies that the MailboxLogin and HardDelete actions are performed by the mailbox owner:

Set-Mailbox "Pilar Pinilla" -AuditOwner MailboxLogin, HardDelete

Below command specifies MailboxLogin, HardDelete, and SoftDelete actions performed by the mailbox owner will be logged for all mailboxes in the organization

```
Get-Mailbox -ResultSize Unlimited -Filter {RecipientTypeDetails -eq
"UserMailbox"} | Set-Mailbox -AuditOwner
MailboxLogin,HardDelete,SoftDelete
```

Use the Azure Management Portal to Register an Application

This section describes how to use the Azure Management Portal to register your application in Azure AD and authenticate.

To register your application:

- 1. Go to Office365 portal > Admin centers > Azure AD Admin center.
- 2. In the left-hand navigation pane, select the Azure Active Directory service, and then select App registrations > New registration.
- 3. Provide a name for your application and click **Register** at the bottom of the blade.

Azure Active Directory admin ce	enter
«	Dashboard > RSA - App registrations > Register an application
료 Dashboard	Register an application
E All services	
- 🛨 FAVORITES	* Name
Azure Active Directory	The user-facing display name for this application (this can be changed later).
🏜 Users	
Enterprise applications	
	Supported account types
	Who can use this application or access this API?
	• Accounts in this organizational directory only (RSA)
	Accounts in any organizational directory
	Accounts in any organizational directory and personal Microsoft accounts (e.g. Skype, Xbox, Outlook.com)
	Help me choose
	Redirect URI (optional)
	We'll return the authentication response to this URI after successfully authenticating the user. Providing this now is optional and it can be changed later, but a value is required for most authentication scenarios.
	By proceeding, you agree to the Microsoft Platform Policies [2]
	Register

4. After clicking **Register**, the Overview page for the application is displayed. Azure AD assigns a unique application (client) ID to your app.

Azure Active Directory admin	center		tę d _e s			
«	Dashboard > RSA - App registrations > C	Office365_test				
Dashboard All services ★ FAVORITES	Search (Ctrl+/)	Delete Delete				
 Azure Active Directory Users Enterprise applications 	 Overview Quickstart Manage 	Display name : Office365_test Application (client) ID : 99e1c924-122a-43fc-b4f7-804f98be915b Diseatery (Ream) ID : 4604bb f Son 459d 6ff 437abb f	Supported account types : My organization only Redirect URIs : Add a Redirect URI Managed application in : Office255 text			
	 Branding Authentication 	Directory (tenant) ID : toutababc-seea-aosd-anto-z/adevc4pace Object ID : e0435d41-d45d-44a4-8bb4-e48196aea015	Managed application in : Officesb5_test			
	 Certificates & secrets API permissions Expose an API Owners Manifest Support + Troubleshooting Y Troubleshooting New support request 	Call APIs	Documentation Microsoft identity platform Authentication scenarios Authentication libraries Code samples Microsoft Graph Glossary Help and Support			
		Sign in users in 5 minutes (S) (N) (S) (S) (S) (S) (S) (S) (S) (S) Use our SDKs to sign in users and call APIs in a few steps View all quickstart guides				

5. In the left menu bar, click API permissions, then Add a permission > Select an API and choose Office 365 Management APIs.

Azure Active Directory admin	center		₽, ¢ ² © ? ©				
«	Dashboard > RSA - App registrations > Office365_test - API permissions		Request API permissions				
Dashboard	Office365_test - API permissio	ons	Commonly used Missocoft ADIs				
E All services ★ FAVORITES Azure Active Directory	Search (Ctrl+/) Verview	API permissions Applications are authorized to use APIs by requesting pern grant/deny access.	Microsoft Graph Take advantage of the tremendous amount Security, and Windows 10. Access Azure AD, OneNote, SharePoint, Planner, and more thr	of data in Office 365, Enterprise Mobility + , Excel, Inture, Outlock/Exchange, OneDrive, rough a single endpoint.			
Users Enterprise applications	Manage	+ Add a permission API / PERMISSIONS NAME	Azure Rights Management		A Ture Service Management		
	Branding Authentication Castification	Microsoft Graph (1) User.Read	Integrate with Azure DevOps and Azure DevOps server	 Services Allow validated users to read and write protected content 	Programmatic access to much of the functionality available through the Azure portal		
	Certificates & sectors API permissions Expose an API	These are the permissions that this application requests sta able permissions dynamically through code. See best prac	Data Export Service for Microsoft Dynamics 365 Export data from Microsoft Dynamics	ବଙ୍କ୍ତିକ Dynamics 365 Business Central Programmatic access to data and	Dynamics CRM Access the capabilities of CRM business		
	 Wanifest Support - Translatesting 	Grant consent As an administrator, you can grant consent on behalf of all	CRM organization to an external destination	functionality in Dynamics 365 Business Central	software and ERP systems		
	Troubleshooting New support request	means that end users will not be shown a consent screen v Grant admin consent for RSA	Embed flow templates and manage flows	Programmatic access to Intune data	Retrieve information about user, admin, system, and policy actions and events from Office 365 and Azure AD activity		
			Create and manage notes, lists, pictures, files, and more in OneNote notebooks	Power BI Service Programmatic access to Dashboard resources such as Datasets, Tables, and Rows in Power BI	PowerApps Runtime Service Powerful data storage, modeling, security and integration capabilities		
	4		SharePoint Interact remotely with SharePoint data	Skype for Business	Y Yammer Access resources in the Yammer web		

6. Under What type of permissions does your application require option, choose Application permissions and enable the permissions as shown here:

Azure Active Directory admin c	center			₽ ¢ ² @ ? ©			
Azure Active Directory admin o	enter Dishboard > RSA - App registrations > Office365_test - API permissio	Office365, test - API permissions ons API permissions Applications are authorited to use APIs by requesting perm grant/deny access. + Add a permission AP / remassione Mank + Microsoft Graph (1) UserRead Tess are the permissions dynamically through code. See best prace able permissions dynamically through code. See best prace					
	Expose an API Expose an API E Owners Manifest Support - Troubleshooting Youbleshooting New support request	These are the permissions that this application requests sta able permissions dynamically through code. See best proc Orant consent As an administrator, you can grant consent on behalf of all means that end ones will not be shown a consent screen v Grant admin consent for RSA	ActivityFeed (2) ActivityFeed Read Read	Ves • Yes Yes			

Note: Assign the **Read DLP policy events including detected sensitive data** permission only if logs are being read from the **DLP.All** resource group.

- 7. Click Add permissions.
- 8. Click Grant admin consent, then click Yes when prompted.

Azure Active Directory admin c	enter				Ģ	₽ª				
«	Dashboard > RSA - App registrations >	- API permissions								
🛄 Dashboard	O364_test_UI - API permission	ns								× %
i ⊟ All services	«	A Demoissions have sharped. Users and for admins will have be	- concept even if	they have already done to provide the						
+ FAVORITES		Permissions have changed, users and/or adminis will have to	o consent even n	they have already done so previously.						
Azure Active Directory	Overview	API permissions								
🏜 Users	🖴 Quickstart	Applications are authorized to use APIs by requesting permi-	ssions. These pe	rmissions show up during the consent process when	e users ar	e given t	he oppo	rtunity to	,	
Enterprise applications	Manage	grant/deny access.								
	I Branding	+ Add a permission								
	Authentication	API / PERMISSIONS NAME	TYPE	DESCRIPTION		ADM	MIN CONSI	ENT REQUI	RED	
	Y Certificates & secrets	 Microsoft Graph (1) 								
	API permissions	User.Read	Delegated	Sign in and read user profile		-				
	Expose an API	 Office 365 Management APIs (2) 								
	Owners	ActivityFeed.Read	Application	Read activity data for your organization						
	Manifest	ServiceHealth.Read	Application	Read service health information for your organiz	ation		• •	_		
	Support + Troubleshooting	These are the permissions that this application requests statically. You may also request user consent-								
	★ Troubleshooting	able permissions dynamically through code. See best practic	ces for requestir	ig permissions						
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		Grant consent As an administrator, you can grant consent on behalf of all u means that end users will not be shown a consent screen wh Grant admin consent for RSA	isers in this dire ien using the ap	tory. Granting admin consent for all users plication.						

Azure Active Directory admin ce	enter			Q I	_9 @ ? ©	-
Mashboard	Dashboard > RSA - App registrations > O364_test_UI - API permission	Grant consent Grant consent successful	2:31 PM ×			
E All services	,O Search (Ctrl+/)	V Successfully granted admin consent for the requested perm	nissions.			
 Azure Active Directory Users Enterprise applications 	Overview Quickstart Manage Reacting	API permissions Applications are authorized to use APIs by requesting permi grant/deny access. + Add a permission	rmissions show up during the consent process where users are g	iven the opportunity to		
	Authentication	API / PERMISSIONS NAME	ТҮРЕ	DESCRIPTION	ADMIN CONSENT REQUIRED	
	Certificates & secrets API permissions	User.Read	Delegated	Sign in and read user profile	-	
	 Expose an API Owners 	Office 365 Management APIs (2) ActivityFeed.Read	Application	Read activity data for your organization	ta 🔒 tangantaria ta	
	Manifest	ServiceHealth.Read	Application	Read service health information for your organization	ta 🛔 tangantaria tan	
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		Grant consent As an administrator, you can grant consent on behalf of all means that end users will not be shown a consent screen will Grant admin consent for B54.	users in this dire hen using the ap	tory. Granting admin consent for all users plication.		

Continue to the next procedure to create a key and add a certificate.

Office365 Authentication

Authenticate Office365 in Active Directory by following any one of the methods below.

- Secret Key Creation
- Certificate Authentication

Secret Key Creation

This topic explains the process of creating a key to enable subscription and configure NetWitness plugin.

1. In the left menu bar, click Certificates & secrets, then click New client secret.



2. Add new client secret information and click Add.

Azure Active Directory admin co	enter			Ę	⊈ [®] ⊗	? 🙂		
«	Dashboard > RSA - App registrations > 0	ashboard > RSA - App registrations > Office365_test - Certificates & secrets						
🛅 Dashboard	Office365_test - Certificates & secrets							
	Search (Ctrl+/)	Copy the new client secret value. You won't be able to retrieve it after you leave this blade.						
 Azure Active Directory Users 	 Overview Quickstart 	Credentials enable applications to identify themselves to the authentication service when receiving tokens at a web addressable location (using an HTTPS scheme). For a higher level of assurance, we recommend using a certificate (instead of a client secret) as a credential.						
Enterprise applications	Manage	Certificates						
	Branding	Certificates can be used as secrets to prove th	e application's identity when requesti	ng a token. Also can be referred to as public keys.				
	Authentication	↑ Upload certificate						
	💡 Certificates & secrets	No certificates have been added for this appli	cation.					
	API permissions							
	Expose an API	THUMBPRINT	START DATE	EXPIRES				
	Workers							
	🔟 Manifest	Client secrets						
	Support + Troubleshooting	A secret string that the application uses to pro	ove its identity when requesting a toke	en. Also can be referred to as application password.				
	New support request	DESCRIPTION	EXPIRES	VALUE				
		logcollection	6/10/2020	*g]fv+1c5+PVihzMnRRpiB7v7w**aCP- [[h]		Ō		

IMPORTANT: Azure only displays the client secret at the time you initially generate it. You cannot navigate back to this page and retrieve the client secret later. Make sure to copy and save this key, as it is needed for further configuration.

Certificate Authentication

This topic explains the process of creating a certificate to enable subscription and configure NetWitness plugin.

1. Create a certificate and a private key for authentication. Follow the steps in the link below.

https://github.com/AzureAD/azure-activedirectory-library-for-python/wiki/Client-credentials#client-credentials-with-certificate.

IMPORTANT: When you execute Create a certificate request command, make sure that you pass a blank value for A challenge password []:

IMPORTANT: Keep the server.pem file securely as it is required to enable subscription and NetWitness plugin configuration.

- 2. In Azure Active Directory app, go to Certificates & secrets > Certificates > Upload certificate.
- 3. On the Upload certificate dialog,
 - a. Select the server.crt certificate that you have created in step 1.
 - b. Provide a short description in the **Description box** and click **Add**. A Thumbprint is created after the certificate is uploaded successfully. This thumbprint is required to enable subscription and configure NetWitness plugin.

«	Dashboard > RSA App registrations >	aht_0365_logs_test	Upload certificate	×
Dashboard	💡 aht_o365_logs_test	Certificates & secrets 🛷 …		
E AII Services	Search (Ctrl+/) «	₽ Got feedback?	Upload a certificate (public key) with one of the following file types: .cer, .pem, .crt * Select a file	cs
Azure Active Directory	ØverviewQuickstart	Credentials enable confidential applications to identify themselves to the auti scheme). For a higher level of assurance, we recommend using a certificate (ir	Description Enter a description for this certificate	
Enterprise applications	🚀 Integration assistant			
	Manage	Application registration certificates, secrets and federated credentials can be		
	Branding & properties	Cartificator (1) Client correct (1) Forderated condentials (0)		
	Authentication Certificates & secrets	Certificates can be used as secrets to prove the application's identity when r		
	 I Token configuration API permissions Expose an API App roles Owners Roles and administrators Manifest Support + Troubleshooting Troubleshooting 	Control and control of a sector to prove one approximation a dominity mention Typicad certificate Thumbprint Description ED055066C97F4828148150FF515CD8 server certificate		
	a new support reduest			
			Add Cancel	

Deploy the Office 365 Files from [[[Undefined variable

SAVariables.ProductName]]] Live

Office 365 requires resources available in [[[Undefined variable SAVariables.ProductName]]] Live in order to collect logs. Office 365 uses the cef/json parser.

Note: For 11.5.x and beyond, while configuring the Office 365 Event Source in the RSA NetWitness Platform, by default Enable Raw JSON Event parameter will be set to False. Based on the value for the parameter "Enable Raw JSON Event" choose the appropriate parser. If Enable Raw JSON Event set to false, then use cef parser.(Default setting). If Enable Raw JSON Event set to true, then use msoffice365 parser.

To deploy the Office 365 content from Live:

- 1. In the RSA NetWitness Platform menu, select Live.
- 2. Follow the below steps:
- a. Browse Live for the cef/msoffice365 parser, using RSA Log Device as the Resource Type.
- b. Select the cef/msoffice365 parser from the list.
- c. Click **Deploy** to deploy the cef/msoffice365 parser to the appropriate Log Decoders, using the Deployment Wizard.
- 3. You also need to deploy the Office 365 package. Browse Live for MS Office 365 content, typing **Office 365** into the Keywords text box and click **Search**.
- 4. Select the item returned from the search and click **Deploy** to deploy to the appropriate Log Collectors.

Note: On a hybrid installation, you need to deploy the package on both the VLC and the LC. If you deploy the package on the LC, you need to restart the logdecoder and log collector services: otherwise, logs are not collected.

5. Restart the **nwlogcollector** service.

For more details, see the Add or Update Supported Event Source Log Parsers topic, or the *Live Resource Guide* on RSA Link.

Note: The msoffice365 parser can be used only for versions 11.5.x and beyond. Wherein cef parser can be used in versions 11.4.x and beyond.

Enable Subscription

Go to the **office365audit** folder on the VLC/log collector and execute **SubscribeLogCategory.py** to subscribe to a resource group:

```
# cd
/etc/netwitness/ng/logcollection/content/collection/cmdscript/office365audi
t
```

```
# source /opt/rh/rh-python36/enable
```

python −V

Note: Make sure the command python -V returns the value version 3.6.

1. If you opt for secret key authentication, execute the command below.

python3 SubscribeLogCategory.py <TenantID> <Application id> <ResourceGroup> --application_key=<> --certificate_authentication=false [-proxy_server PROXY_SERVER] [--proxy_port PROXY_PORT] [--proxy_user PROXY_ USER] [--proxy_password PROXY_PASSWORD]

Note: application_key value should be the secret key created by following the steps mentioned in Secret Key Creation.

Note: Application id should be your client id of Azure AD application.

The following screen shows an example of running the script for secret key authentication.



- 2. If you opt for certificate authentication,
 - Copy the server.pem file you created in step 1 of the section <u>Certificate Authentication</u>, and paste it into the

/etc/netwitness/ng/logcollection/content/collection/cmdscript/office3
65audit directory in Log Collector.

• Execute the below command.

```
# python3 SubscribeLogCategory.py <TenantID> <Application id>
<ResourceGroup> --private_key=server.pem --certificate_
authentication=true --thumbprint=<Thumbprint> [--proxy_server PROXY_
SERVER] [--proxy_port PROXY_PORT] [--proxy_user PROXY_ USER] [--proxy_
password PROXY_PASSWORD]
```

Note: thumbprint value can be found in office365 > Azure active directory > Certificates&Secrets. For more information, see Certificate Authentication.

Example:

```
[root@LH3 office365audit]# pwd
```

/etc/netwitness/ng/logcollection/content/collection/cmdscript/office36
5audit

[root@LH3 office365audit]# python3 SubscribeLogCategory.py RSA_ Netwitness.onmicrosoft.com 925e1a0d-cc79-4d7c-a1c6-xyzwmmww Audit.AzureActiveDirectory --private_key=server.pem --certificate_ authentication=true -thumbprint=ED055906C97F4828148150FF515CD1234590C8975

Set Up the Office 365 Event Source in NetWitness Platform

This section contains details on setting up the event source in [[[Undefined variable SAVariables.ProductSuiteName]]]. In addition to the procedure, the <u>Office 365 Collection</u> <u>Configuration Parameters</u> are described, as well as how to <u>Collecting Office 365 Events in</u> <u>NetWitness Platform</u>.

To configure the Office 365 Event Source:

- 1. In the RSA NetWitness Platform menu, select Administration > Services.
- 2. In the Services grid, select a Log Collector service, and from the Actions menu, choose View > Config.
- 3. In the Event Sources tab, select Plugins/Config from the drop-down menu.

The Event Categories panel displays the File event sources that are configured, if any.

4. In the Event Categories panel toolbar, click +.

The Available Event Source Types dialog is displayed.



5. Select office365audit from the list, and click OK.

The newly added event source type is displayed in the Event Categories panel.

 Select the new type in the Event Categories panel and click + in the Sources panel toolbar. The Add Source dialog is displayed.

Add Source			• • •
Basic			
Name *			
Enabled	\checkmark		- 11
Application ID *			- 11
Client Secret Or Private Key *	*****		. 1
API Resource Base URL *	https://manage.office.com		11
Authority URL *	https://login.microsoftonline.com		- 11
Tenant Domain *			- 11
Resource Group Name *			
Start Date *	0	\$	
Azure Certificate Authentication			
Thumbprint In Certificate Authentication	*****		-
	I	Cancel OI	<

- 7. Define parameter values, as described in Office 365 Collection Configuration Parameters.
- 8. Click Test Connection.

The result of the test is displayed in the dialog box. If the test is unsuccessful, edit the device or service information and retry.

Note: The Log Collector takes approximately 60 seconds to return the test results. If it exceeds the time limit, the test times out and RSA NetWitness Platform displays an error message.

9. If the test is successful, click **OK**.

The new event source is displayed in the Sources panel.

Office 365 Collection Configuration Parameters

The following table describes the configuration parameter for the Microsoft Office 365 integration with [[[Undefined variable SAVariables.ProductSuiteName]]]. Fields marked with an asterisk (*) are required.

Note: When run from behind an SSL proxy, if certificate verification needs to be disabled, uncheck the **SSL Enable** checkbox in the **Advanced** section.

Note: For more details, see the following Microsoft website: https://msdn.microsoft.com/en-us/office-365/office-365-management-activity-api-reference#retrieving-content.

Name	Description
Name *	Enter an alpha-numeric, descriptive name for the source. This value is only used for displaying the name on this screen.
Enabled	Select the box to enable the event source configuration to start collection. The box is selected by default.
Application ID *	The Client ID is found the Azure Application Configure tab. Scroll down until you see it.
Client Secret or Private Key *	When you are configuring the event source,
	• If you opt for secret key authentication, enter the client secret. For more information, see <u>Secret Key Creation</u> .
	• If you opt for certificate authentication, enter full content from the file server.pem that was created in step 1 of <u>Certificate Authentication</u> .
API Resource Base URL *	Enter https://manage.office.com
Authority URL	Enter https://login.microsoftonline.com
Tenant Domain * / Tenant ID	Go to the active directory and click on the directory. In the Active Directory list, click the directory that you are using with your Office 365 tenant . The tenant ID for your Office 365 tenant is displayed as part of the URL.
	RSA recommends you use a Tenant Domain, rather than an ID.

Name	Description
	Example Tenant Domain: netwitnesstest.onmicrosoft.com
Resource Group Names *	Resource group names specify the Log categories to which you are subscribed. For details, see <u>Collecting Office 365</u> <u>Events in NetWitness Platform</u> . Enter one of the following values: [Audit.AzureActiveDirectory , Audit.Exchange , Audit.SharePoint , Audit.General, DLP.All] To subscribe to more than one log category, you need to repeat the <u>Collecting Office 365 Events in</u> <u>NetWitness Platform</u> procedure and select another value.
Start Date *	Choose the date from which to start collecting. This parameter defaults to the current date.
Azure Certificate Authentication	Select this checkbox if you want to use office365 certificate authentication method. This is unchecked by default.
Thumbprint in Certificate Authentication	Enter the thumbprint value available in your office365 > Azure active directory > Certificates&Secrets. For more information, see <u>Certificate</u> <u>Authentication</u> .
Use Proxy	Check to enable proxy.
Proxy Server	If you are using a proxy, enter the proxy server address.
Proxy Port	Enter the proxy port.
Proxy User	Username for the proxy (leave empty if using anonymous proxy).
Proxy Password	Password for the proxy (leave empty if using anonymous proxy).
Source Address	A custom value chosen to represent the hostname for the Office365 Event Source in the customer environment, such as jupiter.example.net . The value of this parameter is captured by the device.host meta key.

Name	Description
Enable Raw JSON event	Enable Raw JSON event in configuration UI is applicable only on LC version 11.5 or above. Default behavior is that the raw events are transformed to cef format. Enabling this skips the transformation as the raw JSON events are sent to decoder in syslog 5424 format. To parse these logs collected in raw JSON format, need to deploy msoffice365 parser from live.

Advanced Parameters

Click Advanced to view and edit the advanced parameters.

Name	Description
Polling Interval	Interval (amount of time in seconds) between each poll. The default value is 180.For example, if you specify 180, the collector schedules a polling of the event source every 180 seconds. If the previous polling cycle is still underway, the collector waits for that cycle to finish. If you have a large number of event sources that you are polling, it may take longer than 180 seconds for the polling to start because the threads are busy.
Max Duration Poll	Maximum duration, in seconds, of a polling cycle. A zero value indicates no limit. The default is set to 600.
Max Events Poll	The maximum number of events per polling cycle (how many events collected per polling cycle).
Max Idle Time Poll	Maximum duration, in seconds, of a polling cycle. A zero value indicates no limit.
Command Args	Optional arguments to be added to the script invocation.
Debug Caution	Only enable debugging (set this parameter to On or Verbose) if you have a problem with an event source and you need to investigate this problem. Caution: Enabling debugging will adversely affect the

	performance of the Log Collector. Enables or disables debug logging for the event source. Valid values are: Off = (default) disabled On = enabled Verbose = enabled in verbose mode - adds thread information and source context information to the messages. This parameter is designed to debug and monitor isolated event source collection issues. If you change this value, the change takes effect immediately (no restart required). The debug logging is verbose, so limit the number of event sources to minimize performance impact.
SSL Enable	Uncheck to disable certificate verification.
No of Threads*	No of concurrent threads to use to collect events. Be cautious in increasing this value as more threads might lead to throttling resulting in delay in log collection.

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