NetWitness[®] Platform XDR

Microsoft Azure Log Analytics Wokspace Event Source Log Configuration Guide



Microsoft Azure Log Analytics Wokspace

Event Source Product Information:

Vendor: Microsoft

Event Source: Azure Log Analytics Wokspace

Versions: All

NetWitness Product Information:

Supported On: Netwitness Platform XDR 11.7 and later

Note: Azure Log Analytics Wokspace is supported from NetWitness Platform XDR 11.5. However, NetWitness recommends you to update NetWitness Platform XDR to the latest version.

Event Source Log Parser: azure

Collection Method: Plugin Framework

Event Source Class.Subclass: Host.Cloud

Contact Information

NetWitness Community at https://community.netwitness.com contains a knowledge base that answers common questions and provides solutions to known problems, product documentation, community discussions, and case management.

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Introduction to Microsoft Azure Log Analytics Wokspace

A Log Analytics workspace is a unique environment for log data from Azure Monitor and other Azure services, such as Microsoft Sentinel and Microsoft Defender for Cloud. Each workspace has its own data repository and configuration but might combine data from multiple services. This article provides an overview of concepts related to Log Analytics workspaces and provides links to other documentation for more details on each. For more information, please refer Log Analytics Workspace.

IMPORTANT: Links to Microsoft website provided in this document are subject to change by Microsoft.

To configure Microsoft Azure Graph, you must complete the following tasks

- I. Configure the Microsoft Azure Log Analytics Workspace Event Source
- II. Configure the Microsoft Azure Log Analytics Plugin in NetWitness Platform XDR

Configure the Microsoft Azure Log Analytics

Workspace Event Source

This section describes how to use the Azure Management Portal to register an application in Azure Active Directory (Azure AD).

To register an application in Azure AD:

- 1. Go to Register a New Application Using the Azure Portal and follow the instructions to register an application.
- 2. Locate the API Permissions section for your registered application, and under the API permissions, click **Add a permission**.
- 3. Under the APIs my organization uses section type, click Log Analytics API.
- 4. Click Application permissions. Select Data.Read and click Add permission.

Note: Only Azure Admin can grant consent for **Data.Read**. If you are not an admin, consult the Azure Admin.

Home > RSA Global Test Tenant App re	gistrations > test-message-trace API permissions ጵ					
✓ Search «	🕐 Refresh 🔰 🔗 Got feedback	?				
Overview						
QuickstartIntegration assistant	The "Admin consent required" will be used. Learn more	column shows th	e default value for an organization. However, user consent can be	customized per permission,	user, or app. This column may not	reflect the value in your organization, or in organiza
Manage	Configured permissions					
Branding & properties	Applications are authorized to call A	Pls when they	are granted permissions by users/admins as part of the conse	ent process. The list of con	figured permissions should inclu	de
Authentication	all the permissions the application n	I the permissions the application needs. Learn more about permissions and consent				
Certificates & secrets	+ Add a permission 🗸 Grant	admin consent	for RSA Global Test Tenant			
Token configuration	API / Permissions name	Type	Description	Admin consent requ	Status	
 API permissions 	✓ Log Analytics API (2)					•••
Expose an API	Data.Read	Delegated	Read Log Analytics data as user	No		•••
App roles	 Data.Read	Application	Read Log Analytics data	Yes	Granted for RSA Global	
A Owners						

Add Reader Role to the Log Analytics Workspace for Your Application:

1. Go to your Log Analytics workspace and click **Add role assignment** in the Access control(IAM) tab.

- Search	🕂 Add 🚽 Download role assignments 💷 Ed	dit columns 🕐 Refresh 🗙 Remove 🎘 F	eedback
Overview			
Activity log	Check access Role assignments Roles	Deny assignments Classic administrators	
Access control (IAM)	My access		
Tags	View my level of access to this resource.		
Diagnose and solve problems	View my access		
Logs	Check access		
ettings	Review the level of access a user, group, service princ	cipal, or managed identity has to this resource. Learn m	iore d'
Tables			
P Agents	Grant access to this recourse	View access to this recourse	View deny assignments
Usage and estimated costs	Grant access to this resource	view access to this resource	view deny assignments
Data export	Grant access to resources by assigning a role.	View the role assignments that grant access	View the role assignments that have been depied access to specific actions at this
Network isolation	Lean more (3	Learn more 🗗	scope.
Linked storage accounts			Learn more 🗠
Properties	Add role assignment	View	View
Locks			

2. Under Role tab, select the *Reader* role then click Members.

H A	lome > Log Analytics workspac Add role assignme	es > DefaultWorkspace-1234abcd-2345-6789-0abc-def012345678-CUS nt	Access control (IAM) >		>	×
	🖗 Got feedback?					
	Members Review A role definition is a collection of provides. Learn more of P P Search by role name, description P	+ assign permissions. You can use the built-in roles or you can create your own ion, or ID Type : All Category : All				
	Name 14	Description 14	Type †4	Category ↑↓	Details	
	Owner	Grants full access to manage all resources, including the ability to assign role	BuiltinRole	General	View	
	Contributor	Grants full access to manage all resources, but does not allow you to assign r	BuiltinAole	General	View	
	Reader	View all resources, but does not allow you to make any changes.	BuiltinRole	General	View	
	Automation Contributor	Manage azure automation resources and other resources using azure autom	BuiltinRole	None	View	
	Azure Service Deploy Release	Contributor role for services deploying through Azure Service Deploy.	CustomRole	None	View	
	Azure Service Deploy Release	Restricted owner role for services deploying through Azure Service Deploy.	CustomRole	None	View	
	Data Purger	Can purge analytics data	BuiltinRole	Analytics	View	
	Log Analytics Contributor	Log Analytics Contributor can read all monitoring data and edit monitoring s	BuiltinRole	Analytics	View	
	Log Analytics Reader	Log Analytics Reader can view and search all monitoring data as well as and	BuiltinRole	Analytics	View	
	Managed Application Contrib	Allows for creating managed application resources.	BuiltinRole	Management + Gover	View	
	Managed Application Operat	Lets you read and perform actions on Managed Application resources	BuiltinRole	Management + Gover	View	

3. In the Members tab, click Select members.

Select dialog appears on the right side.

Add role assignn	nent			
🔗 Got feedback?			Select © test-app-for-token	
Role Members Rev	view + assign		test-app-for-token	
Selected role				
Reader				
Assign access to				
User, group, or service pr	incipal			
 Managed identity 				
Members				
+ Select members			Selected members:	
Name	Object ID	Type	test-app-for-token	famove
No members selected			-	
Description				
Optional				

4. In the Select dialog, select your application name, Review the details and click Assign.

Set up Azure Kubernetes Service (AKS) to Send Azure Kubernetes Logs to Log Analytics Workspace

- 1. Go to the cluster in Azure Kubernetes Service and click on Diagnostic setting.
- 2. Click on Add Diagnostic setting and provide a Diagnostic setting name.
- 3. Select all the log categories which have to be captured in NetWitness Platfrom XDR. The supported log categories are:
 - Kubernetes API server
 - Kubernetes Audit
 - Kubernetes Audit Admin
 - Kubernetes Scheduler
 - Guard.
- 4. Select the **Destination details** as **Send to Log Analytics workspace**. Select the **Subscription** and **Log Analytics workspace** details in dialog.

nome > kuvemetes services > test_uuster_meganinus polagnostic settings > Diagnostic setting	
🔚 Save 🗙 Discard 📋 Delete 🔗 Feedback	
Diagnostic setting name * test_diagnostic	~
Logs	Destination details
Categories Vubernetes API Server	Send to Log Analytics workspace
Kubernetes Audit	Subscription
Kubernetes Audit Admin Logs	Log Analytics workspace
Kubernetes Controller Manager	Archive to a storage account
Kubernetes Scheduler	Stream to an event hub
Kubernetes Cluster Autoscaler	Send to partner solution
Kubernetes Cloud Controller Manager	
guard	
csi-azuredisk-controller	
csi-azurefile-controller	
csi-snapshot-controller	
Metrics	

5. Click Save.

NetWitness Supported Event Sources

The below table provides information about Microsoft Azure event sources and their permission details.

Microsoft Azure Event Sources	Parser Required	Configuration Steps
Azure Kubernetes	azure	Table name AzureDiagnostics (case sensitive). Allowed log type = ["kube-apiserver", "kube-audit","kube-audit- admin","kube-scheduler","guard"]. Enter the required log types from the list in Allowed log type above.
		IMPORTANT: Enter the logs types separated by comma without any space. Example : kube-apiserver, kube-audit.

Configure the Microsoft Azure Log Analytics Plugin in NetWitness Platform XDR

To configure the Microsoft Azure Log Analytics Event Source:

- 1. In the NetWitness Platform XDR menu, select 2 (Admin) > Services.
- 2. In the Services grid, select a Log Collector, and from the Actions (^(*)) menu 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.

Ava	ilable Event Source Types	Ø×
	Name 🗠	~
	amazonguardduty	
	amazonkinesis	
	amazonvpc	
	aws_securityhub	
	azure_ad_audit	
\checkmark	azure_loganalytics	
	azureaudit	
	azuremonitor	
	ciscoamp	
	ciscoumbrella	_
•	daar oo laad ah ah	• •
	Cancel	ОК

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

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

6. Select the New Type in the Event Categories panel and click + in the Sources panel toolbar.

The Add Source dialog is displayed.

Add Source		0×
Name *		•
Enabled	4	- 11
Application Id *		
Application Key *	skikele k	
Workspace Id *		
Authority URL *	https://login.microsoftonline.com/tenant_id	
Table Name *		
Log Types *		
Start From *	0 0	
Use Proxy	×.	
Proxy Server		
Proxy Port		
Proxy User		
Proxy Password	*****	
Source Address *		•
	Cancel	ОК

- 7. Define parameter values, as described in <u>Microsoft Azure Log Analytics Collection Configuration</u> 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 NetWitness Platform XDR displays an error message.

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

The new event source is displayed in the **Sources** panel.

10. Repeat steps 4–9 to add another Microsoft Azure Log Analytics plugin instance.

Microsoft Azure Log Analytics Collection

Configuration Parameters

The following table describes the configuration parameters for the Microsoft Azure Graph integration with NetWitness Platform XDR.

Note: Items that are followed by an asterisk (*) are required.

Basic Parameters

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	The box is selected by default. Select the box to enable the event source configuration to start collection.
Application ID*	The Application ID is found in the Azure Application Configure tab. Scroll down until you see it.
Application Key *	Enter the Client Secret or Private key.
Workspace ID*	Enter Log analytics workspace ID. The Workspace ID is found in the Azure Kubernetes Service, Application Log Analytics Service > Select specific Log Analytics Workspace > Overview .
Authority URL *	Enter https://login.microsoftonline.com/ <tenant-id>. Replace tenant-id with your tenant ID.</tenant-id>
Table Name*	See <u>NetWitness Supported Event Sources</u> to find the correct Table Name.
Log Types*	Enter logs types separated by comma without any space. Example : kube- apiserver, kube-audit. For more information, see <u>NetWitness Supported Event Sources</u> .
Start Date*	Choose the date from which to start collecting. This parameter defaults to the current date. Enter a value from 0 to 7, indicating how many days in the past from which to start collection.
	Note: Do not edit the Start Date value of a running graph plugin instance. This value is used for bookmarking purpose to avoid collection of duplicate logs. To start from a different start date, create a new plugin event source.
Use Proxy	Check to enable proxy.

Name	Description
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 *	IP address that is provided to the Azure Graph plugin instance. Logs from this event source will be collected using this device IP.
	Note: This is an arbitrary IP address chosen by the user. This value has no bearing on the collection of logs: its value is captured by the device.ip meta key, and can help you to query or group events collected by a particular instance of the plugin.
Test Connection	Checks the configuration parameters specified in this dialog to make sure they are correct.
Note: Please avo	bid using special characters in the Proxy User and Proxy Password sections.

Advanced Parameters

Parameter	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, it will wait for it to finish that cycle. 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.

Parameter	Description
Debug	Caution: Enable debugging (set this parameter to On or Verbose) only if you have a problem with an event source and you need to investigate this problem. 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. After changing 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 Enabled	The check box is selected by default. Uncheck this box to disable SSL certificate verification.
	 Off = (default) disabled On = enabled Verbose = enabled in verbose mode - adds thread information and source contexinformation to the messages. This parameter is designed to debug and monitor isolated event source collection issues. After changing 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. The check box is selected by default. Uncheck this box to disable SSL certificate verification.

Getting Help with NetWitness Platform XDR

Self-Help Resources

There are several options that provide you with help as you need it for installing and using NetWitness:

- See the documentation for all aspects of NetWitness here: https://community.netwitness.com/t5/netwitness-platform/ct-p/netwitness-documentation.
- Use the **Search** and **Create a Post** fields in NetWitness Community portal to find specific information here: https://community.netwitness.com/t5/netwitness-discussions/bd-p/netwitness-discussions.
- See the NetWitness Knowledge Base: https://community.netwitness.com/t5/netwitness-knowledge-base/tkb-p/netwitness-knowledge-base.
- See Troubleshooting section in the guides.
- See also NetWitness® Platform Blog Posts.
- If you need further assistance, Contact NetWitness Support.

Contact NetWitness Support

When you contact NetWitness Support, please provide the following information:

- The version number of the NetWitness Platform XDR or application you are using.
- Logs information, even source version, and collection method.
- If you have problem with an event source, enable **Debug** parameter (set this parameter to **On** or **Verbose**) and collect the debug logs to share with the NetWitness Support team.

Use the following contact information if you have any questions or need assistance.

NetWitness Community Portal	https://community.netwitness.com In the main menu, click Support > Case Portal > View My Cases .
International Contacts (How to Contact NetWitness Support)	https://community.netwitness.com/t5/support/ct-p/support
Community	https://community.netwitness.com/t5/netwitness-discussions/bd- p/netwitness-discussions

Feedback on Product Documentation

You can send an email to nwdocsfeedback@netwitness.com to provide feedback on NetWitness Platform documentation.