NetWitness® Platform

Okta Workforce Identity Cloud Event Source Log Configuration Guide

NETWITNESS
Platform

Okta Workforce Identity Cloud

Last Modified: Wednesday, June 5, 2024

Event Source Product Information:

Vendor: Okta

Event Source: Okta Workforce Identity Cloud

Versions: NA

RSA Product Information:

Supported On: NetWitness Platform 12.3 and later

Event Source Log Parser: okta

Note: The okta parser parses this event source as device.type=okta

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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Miscellaneous

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February, 2024

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Collecting Okta Workforce Identity Cloud System Events in Netwitness platform

Okta Workforce Identity Cloud is a unified solution enabling IT teams to build a holistic view of users and ensure they have access to what they need, when they need it with the appropriate level of privileges for the resource they're accessing. Okta Workforce Identity Cloud provides easy, secure access for your workforce so you can focus on other strategic priorities like reducing costs and doing more for your customers.

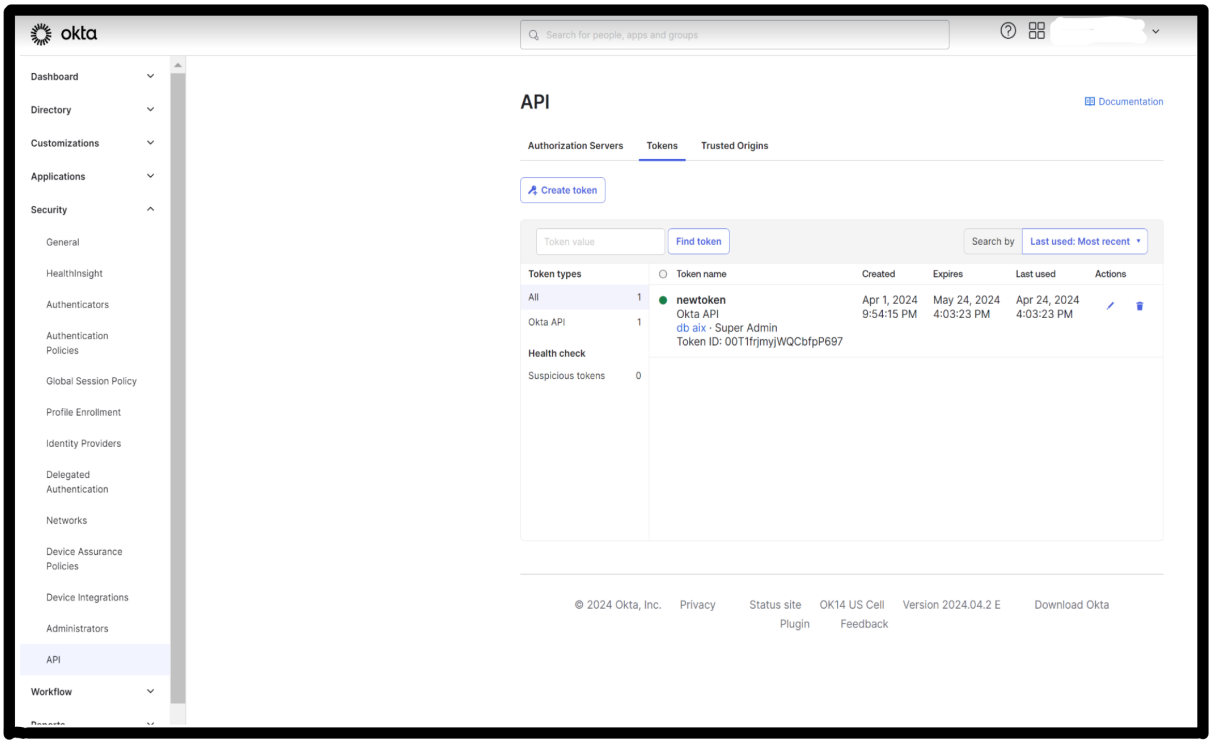
The Okta System Log records system events that are related to your organization to provide an audit trail that can be used to understand platform activity, troubleshooting, security analysis and to diagnose problems.

The Okta System Log API provides near real-time, read-only access to your organization's system logs. The Netwitness connector uses Okta System log API to get the Okta System logs to Netwitness Platform.

Configuring the Okta Workforce Identity Cloud Event Source with Netwitness

The Okta Workforce connector uses Okta API Tokens to authenticate requests to Okta System Log API. Below are the steps to generate the Okta API Token.

1. In the Admin Console, go to **Security > API**.



2. Click the **Tokens** tab.
3. Click **Create token**.
4. In the **What do you want your token to be named?** field, enter a token name.
5. Click **Create token**.
6. The **Token created successfully!** message and the token value appear.
7. Click Copy to clipboard ( ) and paste the token in a secure location, such as a password manager. The only time you can view and copy the token is during the creation process. After the token is created, it's stored as a hash for your protection. Okta recommends that you treat API tokens like passwords.

Note: For more information on Okta API Token see https://help.okta.com/en-us/content/topics/security/api.htm?cshid=ext-create-api-token#create-okta-api-token

Set Up the Okta Workforce Identity Cloud Event Source in NetWitness Platform

In NetWitness Platform, perform the following tasks:

i. Deploy the Okta Workforce Identity Cloud Files from NetWitness Live

ii. Configure the Event Source

Deploy the Okta Workforce Identity Cloud Files from NetWitness Live

Okta Workforce Identity Cloud event source require resources available in NetWitness Live to collect logs. Okta Workforce Identity Cloud uses the okta json parser to parse the logs.

To deploy the Okta Workforce Identity Cloud content from Live:

1. In the NetWitness Platform menu,  (Configure).
2. Browse Live for the **okta** parser using RSA Log Device as the Resource Type.

   Select **okta** parser from the list.
3. Click **Deploy** to deploy the **okta** parser to the appropriate Log Decoders using the Deployment Wizard.
4. You should also deploy the Okta Workforce log collection package. Browse Live for Okta Workforce Identity Cloud log collector content by typing **okta_workforce** in the search text box and click **Search**.
5. Select the item returned from the search and click **Deploy** to deploy to the appropriate Log Collectors.
6. Restart the `nwlogcollector` service.

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

Configure the Event Source

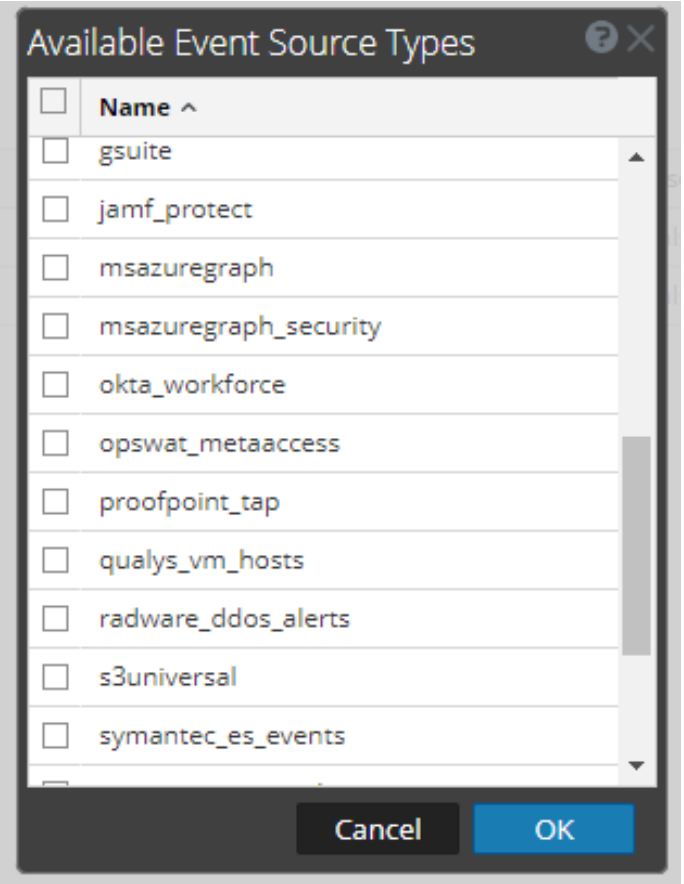
This section contains details on setting up the event source in NetWitness Platform. In addition to the procedure, the Okta Workforce Identity Cloud Collection Configuration Parameters are described.

To configure the Okta Workforce Identity Cloud Event Source:

1. In the NetWitness Platform menu, select (Admin) > **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 + .

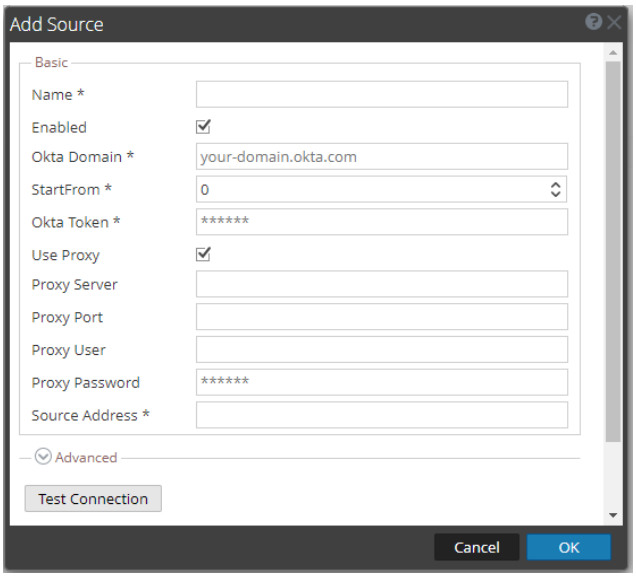
   The **Available Event Source Types** dialog is displayed.



5. Select **okta_workforce** 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.



7. Define parameter values, as described in Okta Workforce Identity Cloud 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 NetWitness Platform displays an error message.
9. If the test is successful, click **OK**.

   The new event source is displayed in the Sources panel.

Okta Workforce Identity Cloud Collection Configuration Parameters

The following table describes the configuration parameter for the Okta Workforce Identity Cloud integration with NetWitness Platform. 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.

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.

Name	Description
Okta Domain*	Copy the Domain from the Okta Admin Console. You can find information on Okta domain here: https://developer.okta.com/docs/guides/find-your-domain/main/
StartFrom*	Choose the number of days from when to start collection. This parameter defaults to current day i.e. 0 and logs will be collected from current timestamp. Maximum value is 90 and logs will be collected from last 90 days in that case.
Okta Token*	Copy the Okta API token created in Configuring the Okta Workforce Identity Cloud Event Source with Netwitness.
Use Proxy	Uncheck to disable proxy configuration. This is enabled by default.
Proxy Server	If you are using a proxy in your environment, 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 Okta Workforce Identity Cloud Event Source in the customer environment and the value should be in IPV4 format. The value of this parameter is captured by the device.ip meta key.

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	**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. 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. This is enabled by default.

Getting Help with NetWitness Platform

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 the documentation for Logstash JDBC input plugin here: https://www.elastic.co/guide/en/logstash/current/plugins-inputs-jdbc.html.
- 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 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 feedbacknwdocs@netwitness.com to provide feedback on NetWitness Platform documentation.