

# NetWitness<sup>®</sup> Platform

Version 12.3.1.0

## Release Notes

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## Contents

<b>What's New in 12.3.1.0 Release</b> .....	<b>5</b>
Enhancements .....	5
Investigate .....	5
Generate Charts from Events View .....	5
Create Real-time Charts from Events View .....	6
Events View UI Improvements .....	7
Load Service Hierarchy Faster on Events View .....	8
Respond .....	8
Support for Custom Aggregation Rule Schema Configuration .....	8
Enhanced Source Display in NetWitness Respond .....	8
Insight .....	9
Detect New Assets in Insight (BETA) .....	9
Historical Service Trend Chart Improvements .....	10
Email Notification on Exceeding Daily License Usage .....	10
User and Entity Behavior Analytics .....	10
Support for Citrix NetScaler and Palo Alto Networks VPN Devices .....	10
UEBA Performance Improvements .....	11
Endpoint .....	11
Supported Operating System Enhancements .....	11
Source Server Explore View Enhancements .....	11
Policy-based Centralized Content Management (CCM) .....	12
Concentrator, Decoder, and Log Collector Services .....	13
HTTP2 Improvements .....	14
Support for Syslog Length Prefixed Logs .....	14
Log Integrations .....	14
Upgrade .....	14
Customer Experience Improvement Program (CEIP) .....	15
Security .....	16
User Interface .....	16
NetWitness Product Name Change .....	16
Security Fixes .....	17
Upgrade Paths .....	17
Product Version Life Cycle for NetWitness Platform .....	18

---

<b>What's New in Previous Releases (11.7 to 12.3.0.0)</b> .....	<b>19</b>
<b>Fixed Issues in 12.3.1.0 Release</b> .....	<b>20</b>
Reporting Engine Fixes .....	20
UEBA Fixes .....	20
Investigate Fixes .....	20
Policy-based Centralized Content Management (CCM) Fixes .....	21
Endpoint Fixes .....	21
<b>Known Issues in 12.3.1.0 Release</b> .....	<b>22</b>
<b>Build Numbers for 12.3.1.0 Components</b> .....	<b>23</b>
<b>Getting Help with NetWitness Platform</b> .....	<b>26</b>
Product Documentation .....	26
Self-Help Resources .....	26
Contact NetWitness Support .....	26
NetWitness Educational Services .....	27
Feedback on Product Documentation .....	27

## What's New in 12.3.1.0 Release

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The NetWitness 12.3.1.0 Release Notes describe new features, enhancements, security fixes, upgrade paths, fixed issues, known issues, end-of-life functionality, build numbers, and self-help resources.

### Enhancements

The following sections are a complete list and description of enhancements to specific components:

- [Investigate](#)
- [Respond](#)
- [Insight](#)
- [User and Entity Behavior Analytics](#)
- [Endpoint](#)
- [Policy-based Centralized Content Management \(CCM\)](#)
- [Concentrator, Decoder, and Log Collector Services](#)
- [Log Integrations](#)
- [Upgrade](#)
- [Security](#)
- [User Interface](#)

To locate the documents that are referred to in this section, see <https://community.netwitness.com/t5/netwitness-platform-online/netwitness-platform-all-documents/ta-p/676246>.

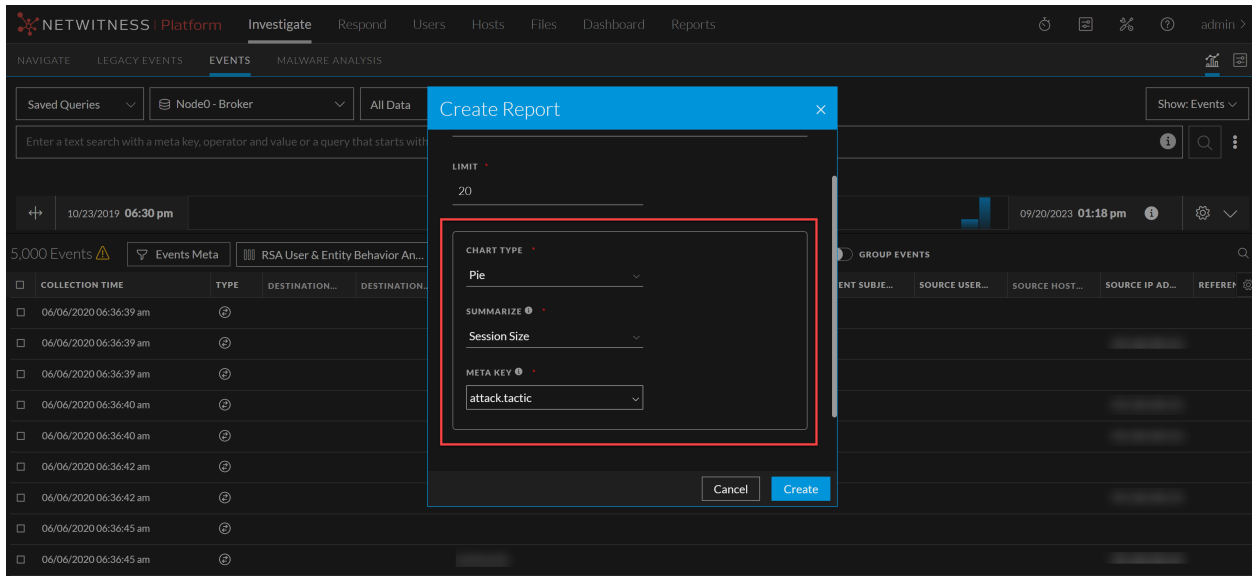
The [Product Documentation](#) section has links to the documentation for this release.

### Investigate

The following section describes the new enhancements for the Investigate component:

#### Generate Charts from Events View

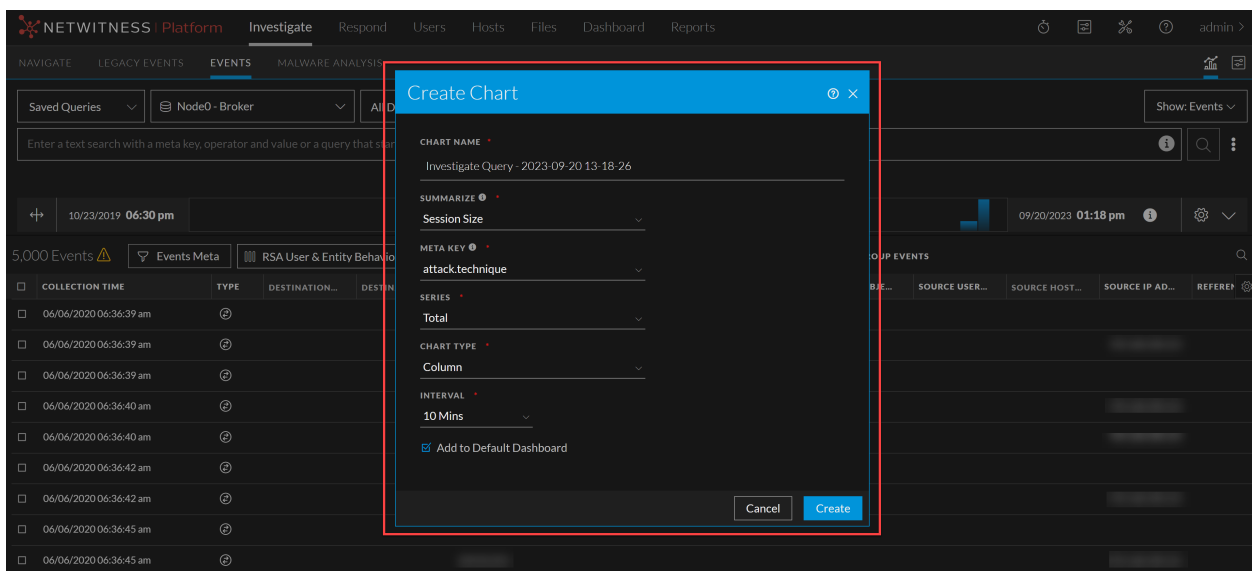
Administrators and analysts can now generate Adhoc and Schedule charts from the **Investigate > Events** page. With this enhancement, administrators and analysts can create various types of charts based on **Event Count**, **Session Size**, **Packet Count**, and **Meta Key**. These charts offer a more in-depth understanding of events and make it easier for analysts to investigate efficiently. Additionally, analysts can share these visualizations with others in various formats like PDF and CSV files, facilitating seamless collaboration and communication.



For more information, see **Generate Reports from Events View** topic in the [NetWitness Investigate User Guide](#).

## Create Real-time Charts from Events View

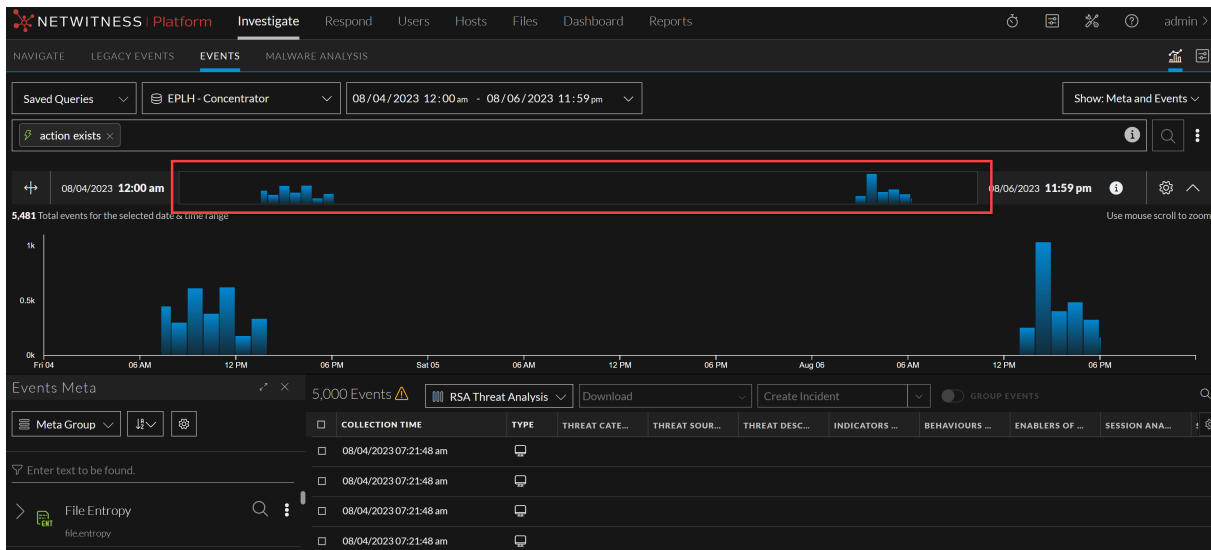
Administrators and analysts can now create real-time charts based on data from the **Investigate > Events** page. This feature provides a dynamic way to visualize your data and gain valuable insights as the data is continuously updated based on the configured time interval. This feature enables administrators and analysts to create a variety of chart types based on **Event Count**, **Session Size**, **Packet Count**, and **Meta Key**. It provides an all-in-one solution for tracking trends for analysts. Additionally, analysts can add these real-time charts to their **Default Dashboard**, allowing them to track critical data seamlessly within the organization.



For more information, see **Generate Reports from Events View** topic in the [NetWitness Investigate User Guide](#).

## Events View UI Improvements

- The **Events** small timeline view has been improved with the addition of a border, making it easier for analysts to differentiate between the small and large timelines. This enhancement eliminates any confusion when using the zoom feature on the timeline and provides a clear view of the presented data.



For more information, see **Timeline** topic in the [NetWitness Investigate User Guide](#).

- When viewing session reconstructions in the **Events** view, the left click function is disabled for the time and event time in the **Collection Time** column of the events table to prevent accidental alterations, resulting in a smoother and more efficient workflow.

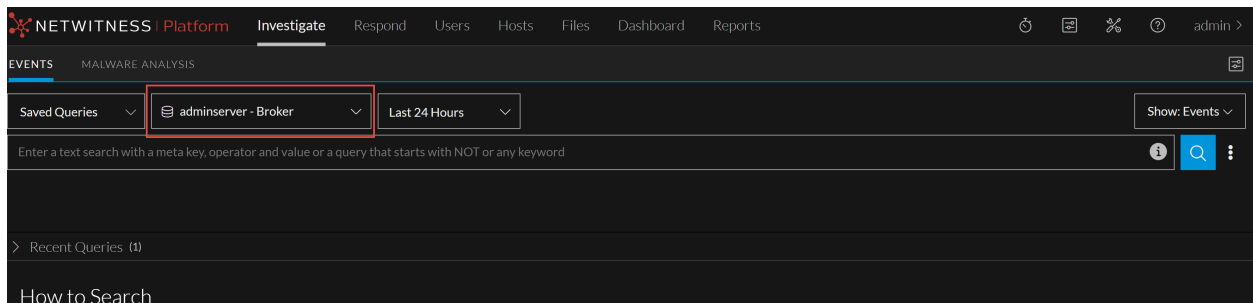
The screenshot displays the NetWitness Investigate 'Events' view with a table of event details. The 'Collection Time' column is highlighted with a red border, indicating that the left click function is disabled for this column. The table has columns for 'COLLECTION TIME', 'TYPE', 'DESTINATION...', 'DESTINATION...', 'DESTINATION...', 'LOGON TYPE', 'EVENT ACTIVI...', 'EVENT OUTC...', and 'EVENT SUBJE...'. The interface includes navigation tabs, search filters, and a table of event details.

COLLECTION TIME	TYPE	DESTINATION...	DESTINATION...	DESTINATION...	LOGON TYPE	EVENT ACTIVI...	EVENT OUTC...	EVENT SUBJE...
07/25/2023 09:27:41 am								
07/25/2023 09:27:41 am								
07/25/2023 09:27:43 am								
07/25/2023 09:27:43 am								
07/25/2023 09:27:46 am								
07/25/2023 09:27:47 am								
07/25/2023 09:27:47 am								
07/25/2023 09:27:47 am								
07/25/2023 09:27:47 am								
07/25/2023 09:27:48 am								

## Load Service Hierarchy Faster on Events View

The **Investigate > Events** page may take longer than expected to load if the list of services to load has Core hosts that are switched off adversely. In such scenarios, NetWitness Platform users can customize the hierarchy-call-time-out parameter in the **Admin > Services > Investigate Server > Explore** view. This customization will allow the Services to load quickly before the request is timed out. The default value is 5 seconds.

**Note:** The duration it takes for NetWitness Platform to load Services is the result of the total time it takes to communicate with all services present in a deployment. This load time may vary due to several factors, such as inaccessible services, stale connections, or incorrect host connection status in the cache due to a host being improperly switched off



For more information, see **Edit Service Hierarchy Timeout Settings** topic in the [Hosts and Services Getting Started Guide](#).

For information on the recommended procedures for shutting down hosts, please see [Delay in Loading NetWitness Investigate > Events Page in NetWitness 11.7 and later](#).

## Respond

The following sections describes the new enhancements for the Respond component:

### Support for Custom Aggregation Rule Schema Configuration

A new `custom_aggregation_rule_schema.json` file is created in this release. This feature allows administrators to manage all the custom meta fields without modifying the Out-of-the-Box (OOTB) configuration. It enables administrators to add, edit, and delete alert fields to the requirements. It also ensures a seamless upgrade experience.

To simplify customization and avoid modifying the default configuration, administrators can use the `custom_aggregation_rule_schema.json` file for smoother management and the migration a seamless transition. Importing incident rules is also more convenient, and backward compatibility is maintained automatically.

For more information, see **Configuring NetWitness Respond** topic in the [NetWitness Respond Configuration Guide](#).

### Enhanced Source Display in NetWitness Respond

Enhanced NetWitness Respond to list available services based on NetWitness orchestrated services. This can avoid confusion caused by outdated or nonexistent services and ensure that users only see the relevant services.



If a service is removed, it will be marked as decommissioned in the UI instead of immediately being removed from the source list. This approach prevents disruptions in source availability for ongoing activities while creating visibility into service's status.

For more information, see **Reviewing Alerts** topic in the [NetWitness Respond User Guide](#).

## Insight

The following section describes the new enhancements for the NetWitness Insight:

### Detect New Assets in Insight (BETA)

NetWitness Insight introduces a new alert named **New asset discovered in environment**. This alert is generated on the **Respond > Alerts** page whenever a new asset **Server** type is detected in the environment for the first time or if an existing asset has not been observed by NetWitness Insight for the last 30 days. This alert is generated for assets identified as server by NetWitness Insight. This feature enhances visibility and provides analysts with an improved understanding of the assets present in the environment, enabling them to better protect them from any potential attacks.

This feature is currently available in BETA mode and is disabled by default. Please contact [NetWitness Customer Support](#) team to enable the feature.

The screenshot shows the NetWitness Respond interface. The top navigation bar includes 'Platform', 'Investigate', 'Respond', 'Users', 'Hosts', 'Files', 'Dashboard', and 'Reports'. The main content area is titled 'New asset discovered in environment' and is divided into two sections: 'OVERVIEW' and 'Event Details'.

**OVERVIEW**

Incident ID:	(None)
Created:	10/14/2023 01:03:21 am
Severity:	40
Source:	NetWitness Insight
Type:	Network
# Events:	1
Host Summary:	192.168.31.60
Persisted Status:	-

**Event Details**  
New asset discovered in environment · 10/14/2023 01:03:26 am

Timestamp	10/14/2023 01:03:26.065 am <b>2 days ago</b>		
Type	Network		
Description	New asset discovered in environment		
Source	Device	Port	53
		IP Address	<b>192.168.31.60</b>
Summary	A new asset 192.168.31.60 was discovered in your environment.		
Network Exposure	85		
Event Time	2023-10-14T01:03:26.065Z		
Category	dns		
Asset Type	Server		

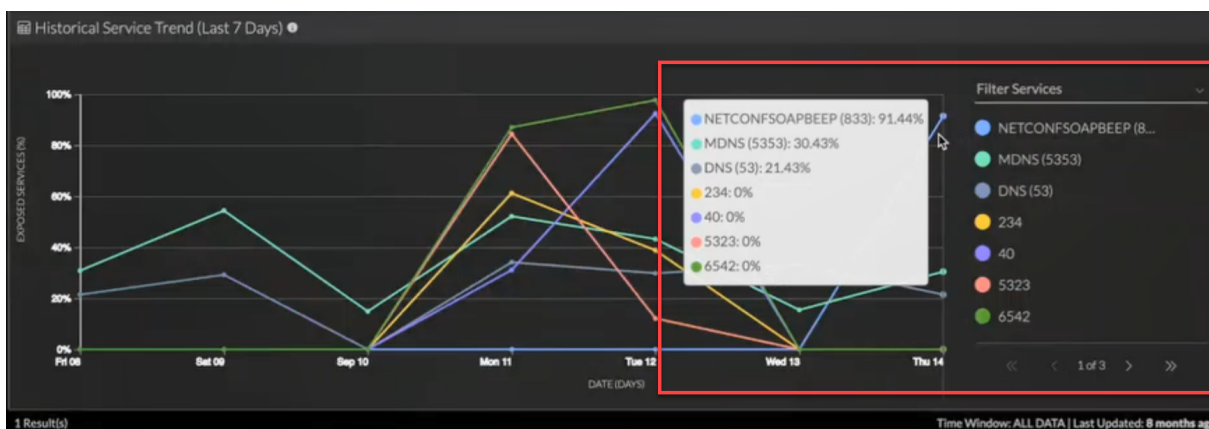
**Raw Alert:**

```
{
  "severity": 40,
  "alertType": "NEW_ASSET",
  "host_summary": [
    "192.168.31.60"
  ],
  "risk_score": 40,
  "alertSeverity": 40,
  "description": "A new asset 192.168.31.60 was discovered in your environment.",
  "source": "NetWitness Insight",
  "type": [
    "Network"
  ],
  "version": 1,
  "name": "New asset discovered in environment",
  "created_date": "2023-10-06T01:03:23.189Z",
  "startDate": "2023-10-14T01:03:26.065+0000",
  "events": [
    {
      "summary": "A new asset 192.168.31.60 was discovered in your environment.",
      "networkExposure": "85",
      "eventTime": "2023-10-14T01:03:26.065Z",
      "description": "New asset discovered in environment",
      "source": {
        "device": {
          "port": "53",
          "ip_address": "192.168.31.60"
        }
      }
    }
  ]
}
```

## Historical Service Trend Chart Improvements

The following improvements are made to Historical Service Trend chart in 12.3.1.0 version:

- Added a new Service filter feature that allows you to filter services using a searchable drop-down menu. Analysts can now filter services by multiple values simultaneously, making it easier to compare services and discover insights.
- Improved pagination functionality now allows analysts to navigate between the first and last pages seamlessly.
- Services in the chart legend are sorted from highest to lowest enterprise traffic using the latest date data. When services have the same percentage value, they are sorted alphabetically.



For more information, see the **NetWitness Insight** section in the [NetWitness Documentation Portal](#).

## Email Notification on Exceeding Daily License Usage

NetWitness Insight customers exceeding the daily license usage limit three or more times within the last 14 days will receive an email notification.

## User and Entity Behavior Analytics

The following section describes the new enhancements for UEBA component:

### Support for Citrix NetScaler and Palo Alto Networks VPN Devices

NetWitness UEBA has added support for the Citrix NetScaler and Palo Alto Networks VPN devices. With this enhancement, UEBA can now process Citrix NetScaler and Palo Alto Networks VPN logs, which helps you gather and analyze user activity information.

For more information, see the **UEBA Supported Sources by Schema** section in the [UEBA Configuration Guide](#).

## UEBA Performance Improvements

- Optimized the database for inserting and querying data, resulting in faster query response times.
- The modeling process for network data has been improved by excluding randomized JA3 entities, resulting in improvements in the overall performance.
- Optimized the modeling process to generate and update multiple models in parallel.
- Airflow retention DAGs processing times have been reduced due to faster cleanup of outdated data.

For more information on the supported scale, see the **Learning Period Per Scale for 12.3.1** topic in the [UEBA Configuration Guide](#).

## Endpoint

The following section describes the new enhancements for Endpoint component:


### Supported Operating System Enhancements

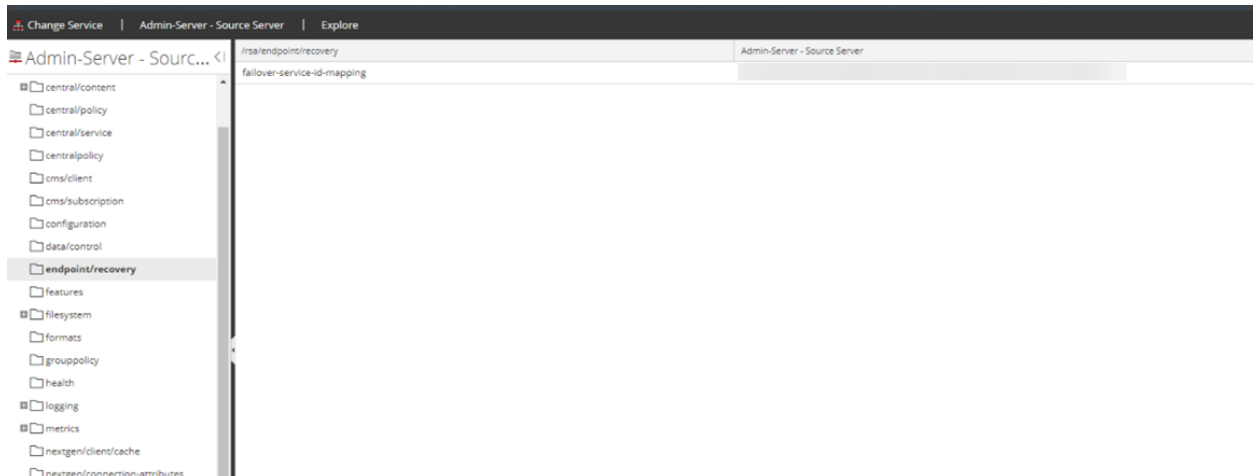
Administrators have the option to deploy Endpoint agents on the following versions of Linux and Mac Operating System:

- **Red Hat Enterprise Linux 9.x**
- **Alma Linux 9.0**
- **Oracle Linux 8.8**
- **SUSE Linux Enterprise Server 12 SP1 and 15 SP4**
- **macOS Sonoma (14)**

For more information, see **Introduction to Endpoint Agent Installation** topic in the [NetWitness Endpoint Agent Installation Guide](#).

### Source Server Explore View Enhancements

The Source server **Explore** view ( **Admin > Services > View > Explore**) is enhanced with **endpoint/recovery** configuration option to help administrators configure Endpoint recovery in case of any disaster.

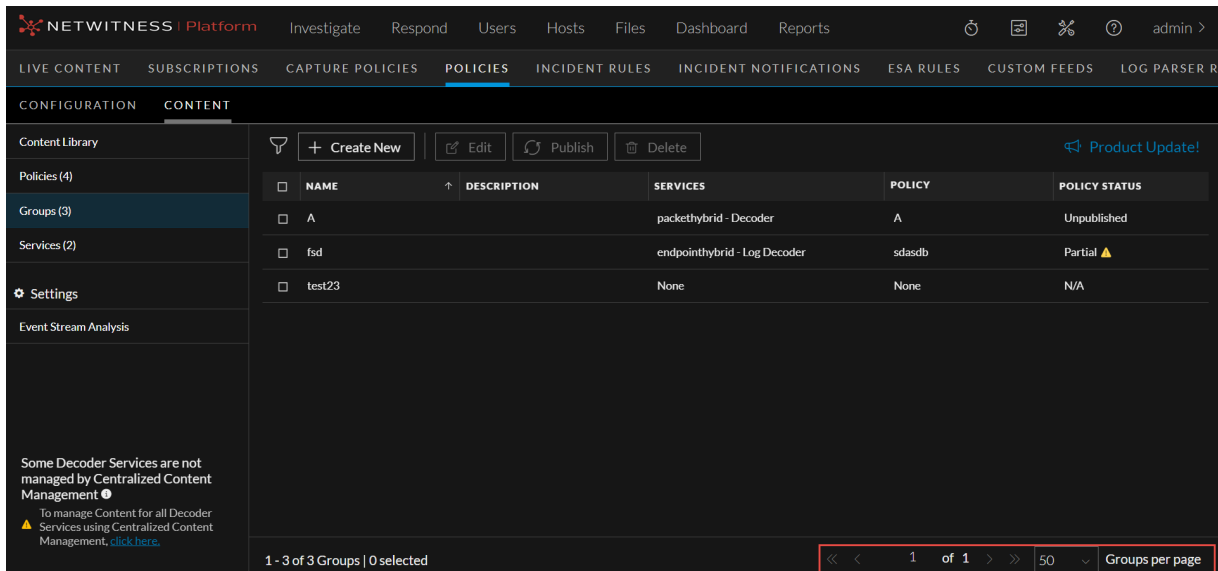


For more information, see **High Availability (Endpoint Recovery)** topic in the [NetWitness Endpoint User Guide](#).

## Policy-based Centralized Content Management (CCM)

The following enhancements are made to Policy-based Centralized Content Management in 12.3.1.0 version:

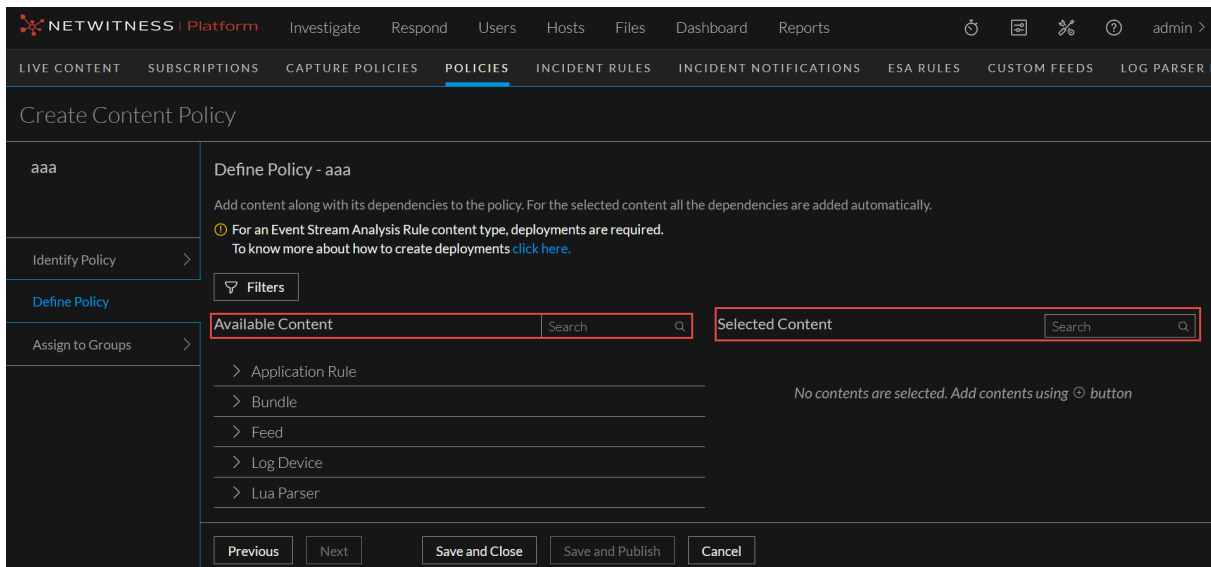
- Pagination is added in the **Content Library**, **Groups Listing** and **Policy Listing** pages which enables you to navigate through the list. By default, 50 rows are displayed per page. However, NetWitness allows you to modify the number of rows displayed per page.



For more information, see the **View a Group**, **View Application Rule Details** and **View a Policy** topics in the [Policy-based Centralized Content Management Guide](#).

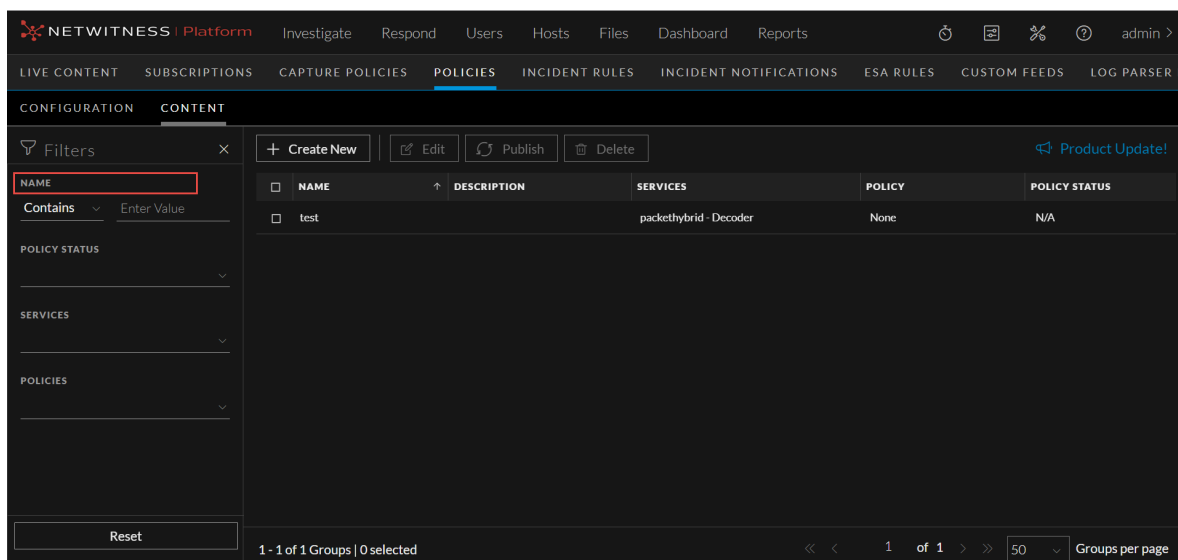
- Administrators can directly update any content, that are part of Policies, in the Content Library. The changes will be reflected in the Services once the Policy is republished.

- The search experience for selected content during Policy creation is improved. A **Search** box is added under the **Selected Content** in the **Define Policy** screen. You can search the selected content by typing the initial content text in the **Search** box.



For more information, see the **Create and Publish Policies** topic in the [Policy-based Centralized Content Management Guide](#).

- UI Improvements:
  - In the **Filters** panel of **Policy Listing**, **Groups Listing** and **Services Listing** pages, the respective parameters 'Policy Name', 'Group Name' and 'Service Name' is changed to 'Name'.



For more information, see the **View a Policy**, **View a Group** and **View a Service** topics in the [Policy-based Centralized Content Management Guide](#).

## Concentrator, Decoder, and Log Collector Services

The following section describes the new enhancements for the Decoder and Log Collector components:

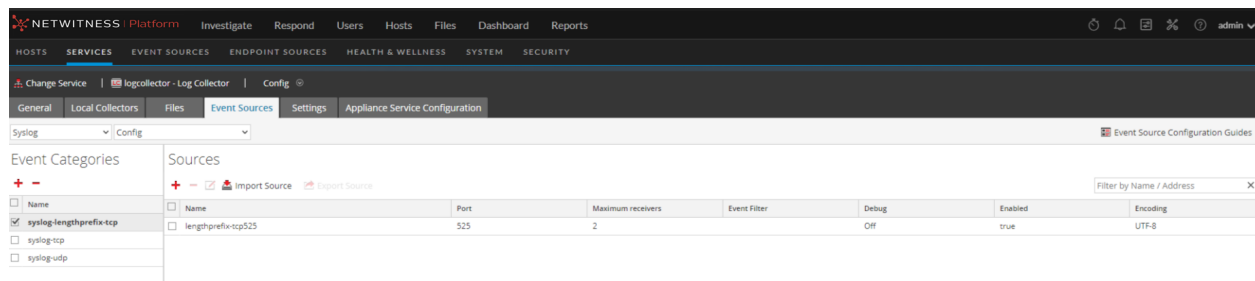
## HTTP2 Improvements

Created additional meta keys for more visibility. Also enhanced this feature to avoid any duplicate metas generated for **HTTP2** sessions.

For more information, see **Visibility into HTTP/2 Sessions** topic in the [NetWitness Decoder Configuration Guide](#).

## Support for Syslog Length Prefixed Logs

Introduced a new event category called **syslog-length-prefix** under the **Syslog Collection** in the Log Collector to provide support for syslog length prefixed logs during syslog collection.



For more information, see **Configure Syslog Event Sources** topic in the [Log Collection Guide](#).

## Log Integrations

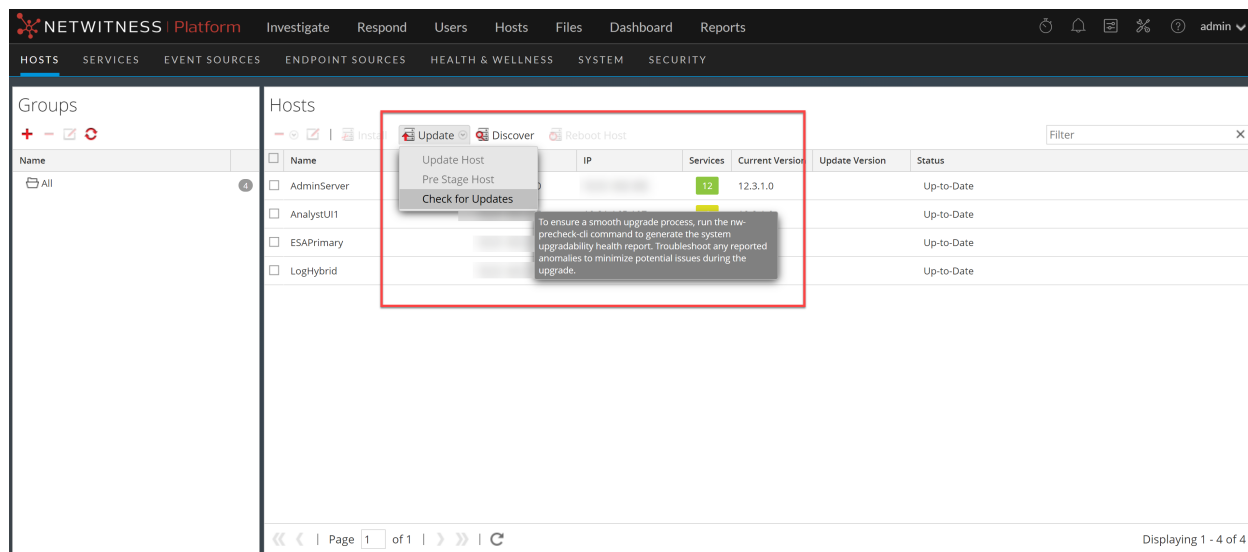
NetWitness Platform supports the integration of the following event sources to collect and parse logs. Unless specified, these services are supported on NetWitness Platform 11.7.0.0 or later.

- [Google Cloud Platform](#) (Support for VPC Flow Logs, Google Kubernetes Engine (GKE) Logs, Cloud Storage Logs, and Audit Logs)
- [Kaspersky Anti-Virus](#) (Support to export events in CEF format)
- [Microsoft Exchange Server](#) (Support for MS Exchange Server 2019)
- [Universal REST API](#) (Support for Sailpoint IIQ)
- [Radware DDOS](#)
- [S3 Universal Connector](#) (Support for Amazon CloudFront).

For more information on integrating the parser services, see [NetWitness Platform Integrations Guide](#).

## Upgrade

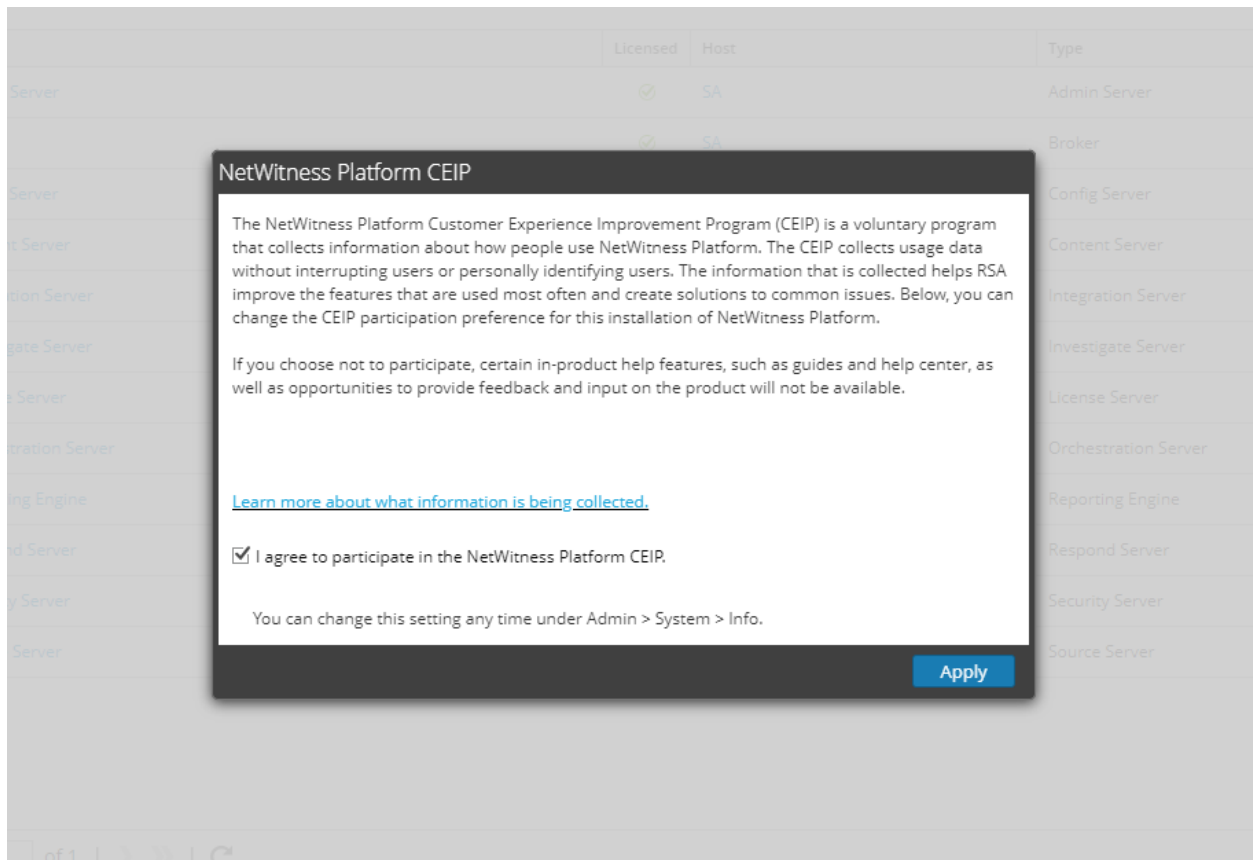
Administrators are advised to run the `nw-precheck-tool` command through the CLI method to generate the system upgradability health report. The report helps administrators to troubleshoot any anomalies and minimize upgrade failures. The tool-tip message appears when you hover over the drop-down menu options **Update Host** and **Check for Updates**.



For more information, see the **Run Pre-Upgrade Checks** topic in the [Upgrade Guide for NetWitness 12.3.1.0](#).

### Customer Experience Improvement Program (CEIP)

NetWitness now displays a NetWitness Platform CEIP dialog to all users (with *Manage Live Setting* and *config-server manage configuration* permissions) who previously have not enabled the CEIP program and upgrading to a major or minor platform version. For example, in NetWitness Platform version 12.3.1.0, the major version is represented by 12 while the minor version is represented by 3.



For more information, see **Configure the Customer Experience Improvement Program** in the [System Configuration Guide](#).

## Security

To further improve security, all NetWitness services and scripts will utilize trusted certificate-based authentication or deploy admin password for the RabbitMQ account. Additionally, the guest user account password is set to random value to restrict full Administrator Access to only authorized users on the host.

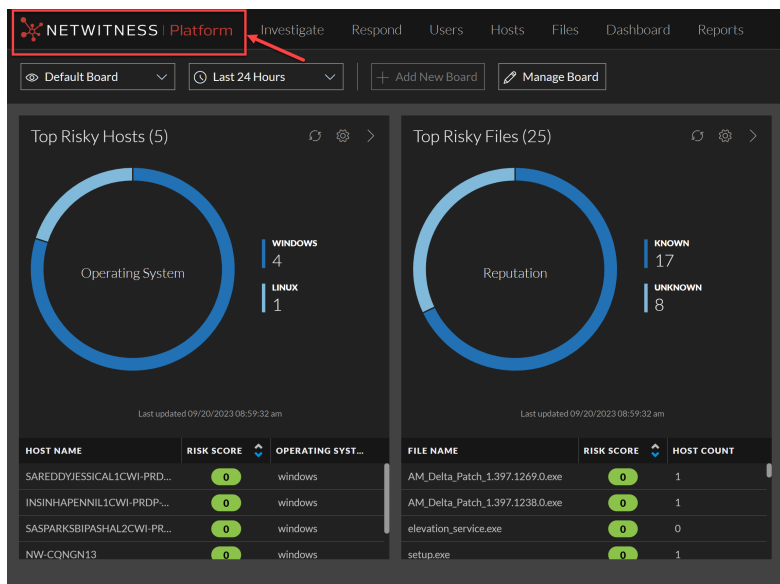
## User Interface

The following section describes the new enhancements for the NetWitness user interface:

### NetWitness Product Name Change

NetWitness shortened the product name to "NetWitness Platform". This change aims to streamline and align our branding with our overall product strategy.





The screenshot shows the NetWitness Platform Reports page. The 'NETWITNESS Platform' logo is highlighted with a red box and an arrow. The page displays a list of rules under the 'Rules' tab. The table includes columns for Name, Type, Group, Date Modified, and Actions.

Name	Type	Group	Date Modified	Actions
Behaviors of Compromise	NetWitness Platform DB	Hunting	2023-07-21 12:05	[Settings] [Refresh]
Cleartext Authentications by Service	NetWitness Platform DB	User Activity	2023-07-21 12:05	[Settings] [Refresh]
Cleartext Passwords by Service	NetWitness Platform DB	User Activity	2023-07-21 12:05	[Settings] [Refresh]
DNS Non Standard	NetWitness Platform DB	Hunting	2023-07-21 12:05	[Settings] [Refresh]
Email Senders	NetWitness Platform DB	User Activity	2023-07-21 12:05	[Settings] [Refresh]
Enablers of Compromise	NetWitness Platform DB	Hunting	2023-07-21 12:05	[Settings] [Refresh]
File Analysis	NetWitness Platform DB	Hunting	2023-07-21 12:05	[Settings] [Refresh]
Firewall Denied Connections	NetWitness Platform DB	Situational Awareness	2023-07-21 12:05	[Settings] [Refresh]
Firewall Destination IP Addresses	NetWitness Platform DB	Situational Awareness	2023-07-21 12:05	[Settings] [Refresh]
Firewall Events	NetWitness Platform DB	Situational Awareness	2023-07-21 12:05	[Settings] [Refresh]

## Security Fixes

For more information on Security Fixes, see <https://community.netwitness.com/t5/netwitness-platform-advisories/ct-p/netwitness-advisories#security>.

## Upgrade Paths

The following upgrade paths are supported for NetWitness 12.3.1.0

- NetWitness 12.3.0.0 to 12.3.1.0
- NetWitness 12.2.0.1 to 12.3.1.0
- NetWitness 12.2.0.0 to 12.3.1.0
- NetWitness 12.1.1.0 to 12.3.1.0
- NetWitness 12.1.0.1 to 12.3.1.0
- NetWitness 12.1.0.0 to 12.3.1.0
- NetWitness 12.0.0.0 to 12.3.1.0
- NetWitness 11.7.3.0 to 12.3.1.0
- NetWitness 11.7.2.0 to 12.3.1.0
- NetWitness 11.7.1.2 to 12.3.1.0
- NetWitness 11.7.1.1 to 12.3.1.0
- NetWitness 11.7.1.0 to 12.3.1.0
- NetWitness 11.7.0.2 to 12.3.1.0
- NetWitness 11.7.0.1 to 12.3.1.0
- NetWitness 11.7.0.0 to 12.3.1.0

For more information on upgrading to 12.3.1.0, see [Upgrade Guide for NetWitness 12.3.1.0](#)

**Warning:** Before upgrading the UEBA host to 12.3.1.0, you must perform the backup of your Elasticsearch data such as Users, Entities, Alerts, and Indicators to retain them post upgrade. For more information, see [NetWitness UEBA Configuration Guide for 12.3.1.0](#).

## Product Version Life Cycle for NetWitness Platform

See for [Product Version Life Cycle for NetWitness Platform](#) a list of versions that reach End of Primary Support (EOPS).

## What's New in Previous Releases (11.7 to 12.3.0.0)

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The section provides new features and enhancements for all supported previous releases.

For more information, see <https://community.netwitness.com/t5/netwitness-platform-online/what-s-new-in-previous-releases-11-7-to-12-1-1/ta-p/695650>.

## Fixed Issues in 12.3.1.0 Release

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This section lists issues fixed in 12.3.1.0 version.

### Reporting Engine Fixes

Tracking Number	Description
ASOC-134996	A generic error message is displayed on the <b>Investigate &gt; Events</b> page when creating or scheduling a report using an existing report name.
ASOC-134996	A generic error message is displayed on the <b>Investigate &gt; Events</b> page when creating or scheduling a report before configuring the data source in the Reporting Engine.
ASOC-135074	Use of future dates in the Custom date range option for creating Adhoc reports on the <b>Investigate &gt; Events</b> page will result in incorrect date ranges in the output report.

### UEBA Fixes

Tracking Number	Description
ASOC-138953	Increased JA3 entities due to implementing JA3 randomization in applications such as Chrome caused DAGs delay on the UEBA server.
ASOC-134234	Red banner errors are displayed on the <b>Users</b> page after the UEBA host upgrade due to a communication delay between the UEBA server and the Presidio UI service.
ASOC-133835	Due to a delayed response from the UEBA server, a warning is displayed that the airflow scheduler is not running.

### Investigate Fixes

Tracking Number	Description
ASOC-134482	Using the Enter key executes the selected query in Advance mode.
ASOC-135146	After selecting “=” or “!=“ operator from the dropdown list, the cursor does not move to the end of the query. Also, the user cannot move the cursor to the end of the query.

Tracking Number	Description
ASOC-133508	In the <b>Advanced Mode</b> query bar, the selected saved query is not loaded into the query bar and applied to the executed query.
ASOC-134481	In the <b>Advanced Mode</b> query bar, the query is not executed when a service is updated to Decoder/Log Decoder due to unindexed keys.
ASOC-135221	In the <b>Advanced Mode</b> query bar, the most recently executed query is not auto-populated in the Pre-Query Conditions field while saving a query.

## Policy-based Centralized Content Management (CCM) Fixes

Tracking Number	Description
ASOC-132699	When there are no 12.0+ Decoder services in environment, the wrong message 'All Decoder Services are managed by Centralized Content Management' is displayed on the UI. When the user tries to toggle the global toggle button, nothing happens. In 12.3.1 version, the default message displayed on the UI is corrected and the global toggle is disabled.

## Endpoint Fixes

Tracking Number	Description
ASOC-139505	In the Remote Shell REGISTRY command, the help description does not include text for Add and Delete.
ASOC-138832	Oracle Linux agent crashes and restarts multiple times while running the build.
ASOC-135126	When the user chooses a combination of RAR and Managed host for multi-host selection and initiates an MFT, the RAR agent is successfully processed, even if MFT is not supported for the RAR agent.

## Known Issues in 12.3.1.0 Release

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Issues that remain unresolved in this release are documented in the NetWitness® Platform Known Issues list on the NetWitness community portal: <https://community.netwitness.com/t5/netwitness-platform-known-issues/netwitness-platform-known-issues/ta-p/571872>

## Build Numbers for 12.3.1.0 Components

The following table lists the build numbers for various components of NetWitness 12.3.1.0

Component	Version Number
NetWitness Admin Server	rsa-nw-admin-server-12.3.1.0-230919024439.5.e292fb4.el7.centos.noarch.rpm
NetWitness Appliance	rsa-nw-appliance-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Appliance Nonfips	rsa-nw-appliance-nonfips-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Archiver	rsa-nw-archiver-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Audit Plugin	rsa-audit-plugins-12.3.1.0-4879.5.27cbe8684.el7.noarch.rpm
NetWitness Audit RT	rsa-audit-rt-12.3.1.0-4879.5.27cbe8684.el7.x86_64.rpm
NetWitness Bootstrap	rsa-nw-bootstrap-12.3.1.0-2309110733.5.6b3ecc7.el7.noarch.rpm
NetWitness Broker	rsa-nw-broker-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Broker Nonfips	rsa-nw-broker-nonfips-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Carlos RT	rsa-carlos-rt-12.3.1.0-2776.5.70a4315a5.el7.x86_64.rpm
NetWitness Cloud	rsa-nw-cloud-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Cloud Connector Server	rsa-nw-cloud-connector-server-12.3.1.0-230801022105.5.f9f1ba5.el7.centos.noarch.rpm
NetWitness Cloud Link Server	rsa-nw-cloud-link-server-12.3.1.0-230920034218.5.dafde51.el7.centos.noarch.rpm
NetWitness Collectd	rsa-collectd-12.3.1.0-4879.5.27cbe8684.el7.x86_64.rpm
NetWitness Collectd SMS	rsa-collectd-sms-12.3.1.0-4879.5.27cbe8684.el7.x86_64.rpm
NetWitness Component Descriptor	rsa-nw-component-descriptor-12.3.1.0-2310251852.5.caa8590.el7.noarch.rpm
NetWitness Concentrator	rsa-nw-concentrator-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Concentrator Nonfips	rsa-nw-concentrator-nonfips-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Config Management	rsa-nw-config-management-12.3.1.0-2309251119.5.0ad12af.el7.noarch.rpm
NetWitness Config Server	rsa-nw-config-server-12.3.1.0-230921055632.5.677c966.el7.centos.noarch.rpm
NetWitness Console	rsa-nw-console-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Content Server	rsa-nw-content-server-12.3.1.0-230919120434.5.f742e79.el7.centos.noarch.rpm
NetWitness ContextHub Server	rsa-nw-contexthub-server-12.3.1.0-230828015528.5.cae1ecb.el7.centos.noarch.rpm

NetWitness Correlation Server (ESA)	rsa-nw-correlation-server-12.3.1.0-230928073152.5.86ac93a.el7.centos.noarch.rpm
NetWitness Dashboard Content	rsa-nw-dashboard-content-20230710024254-5.noarch.rpm
NetWitness Decoder	rsa-nw-decoder-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Decoder Analytics Content	rsa-nw-decoder-analytics-content-20230710024254-5.noarch.rpm
NetWitness Decoder Nonfips	rsa-nw-decoder-nonfips-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Decoder Content	rsa-nw-decodercontent-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Deployment Upgrade	rsa-nw-deployment-upgrade-12.3.1.0-2310060547.5.dc467bf.el7.noarch.rpm
NetWitness Endpoint Agents	rsa-nw-endpoint-agents-12.3.1.0-2309291338.5.6d01153.el7.x86_64.rpm
NetWitness Endpoint Broker Server	rsa-nw-endpoint-broker-server-12.3.1.0-230726084101.5.da2d90b.el7.centos.noarch.rpm
NetWitness Endpoint Decoder Analytics Content	rsa-nw-endpointdecoder-analytics-content-20230710024254-5.noarch.rpm
NetWitness Endpoint Server	rsa-nw-endpoint-server-12.3.1.0-230919055659.5.ae4f863.el7.centos.noarch.rpm
NetWitness Integration Server	rsa-nw-integration-server-12.3.1.0-231001015634.5.a5f36b1.el7.centos.noarch.rpm
NetWitness Investigate Server	rsa-nw-investigate-server-12.3.1.0-230919112153.5.aad0763.el7.centos.noarch.rpm
NetWitness Legacy Web Server	rsa-nw-legacy-web-server-12.3.1.0-231025153456.5.456dac3.el7.centos.noarch.rpm
NetWitness License Server	rsa-nw-license-server-12.3.1.0-230622072025.5.d1b3b74.el7.centos.noarch.rpm
NetWitness Log Collector	rsa-nw-logcollector-12.3.1.0-15112.5.0b5be9a0b.el7.x86_64.rpm
NetWitness Log Collector Content	rsa-nw-logcollectorcontent-20230921072153-5.x86_64.rpm
NetWitness Log Collector Perl	rsa-nw-logcollector-perl-12.3.1.0-15112.5.0b5be9a0b.el7.x86_64.rpm
NetWitness Log Collector Tools	rsa-nw-logcollector-tools-12.3.1.0-15112.5.0b5be9a0b.el7.x86_64.rpm
NetWitness Log Decoder	rsa-nw-logdecoder-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Log Decoder Analytics Content	rsa-nw-logdecoder-analytics-content-20230710024254-5.noarch.rpm
NetWitness Log Decoder Base Content	rsa-nw-logdecoder-base-content-20230921072153-5.x86_64.rpm
NetWitness Log Player	rsa-nw-logplayer-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm
NetWitness Malware Analytics Server	rsa-nw-malware-analytics-server-12.3.1.0-231010130251.5.c30d5e6.el7.centos.x86_64.rpm
NetWitness Metrics Server	rsa-nw-metrics-server-12.3.1.0-230919075920.5.2b89e68.el7.centos.noarch.rpm



NetWitness Orchestration Cli	rsa-nw-orchestration-cli-12.3.1.0-2309191349.5.daea83c.el7.noarch.rpm
NetWitness Orchestration Server	rsa-nw-orchestration-server-12.3.1.0-230928092726.5.8e31fef.el7.centos.noarch.rpm
NetWitness Placeholder	rsa-nw-placeholder-12.3.1.0-2309110740.5.64711ae.el7.noarch.rpm
NetWitness Presidio Airflow	rsa-nw-presidio-airflow-12.3.1.0-2309291724.5.8296ee5.el7.noarch.rpm
NetWitness Presidio Config Server	rsa-nw-presidio-configserver-12.3.1.0-2309291724.5.8296ee5.el7.noarch.rpm
NetWitness Presidio Core	rsa-nw-presidio-core-12.3.1.0-2309291724.5.8296ee5.el7.noarch.rpm
NetWitness Presidio Elastic Search Init	rsa-nw-presidio-elasticsearch-init-12.3.1.0-2309291724.5.8296ee5.el7.noarch.rpm
NetWitness Presidio Ext NetWitness	rsa-nw-presidio-ext-netwitness-12.3.1.0-2308221035.5.ce69597.el7.noarch.rpm
NetWitness Presidio Flume	rsa-nw-presidio-flume-12.3.1.0-2308221032.5.f46b7cf.el7.noarch.rpm
NetWitness Presidio Manager	rsa-nw-presidio-manager-12.3.1.0-2309291724.5.8296ee5.el7.noarch.rpm
NetWitness Presidio Output	rsa-nw-presidio-output-12.3.1.0-2309291724.5.8296ee5.el7.noarch.rpm
NetWitness Presidio UI	rsa-nw-presidio-ui-12.3.1.0-2308221038.5.008f328.el7.noarch.rpm
NetWitness Protobufs	rsa-protobufs-rt-12.3.1.0-947.5.4135c0c3a.el7.x86_64.rpm
NetWitness Recovery Tools	rsa-nw-recovery-tool-12.3.1.0-2309120444.5.e08b1ae.el7.noarch.rpm
NetWitness Relay Server	rsa-nw-relay-server-12.3.1.0-230726083754.5.c27855c.el7.centos.noarch.rpm
NetWitness Reporting Engine Server	rsa-nw-re-server-12.3.1.0-5990.5.aef5f8aab.el7.x86_64.rpm
NetWitness Respond Server	rsa-nw-respond-server-12.3.1.0-230929041637.5.96d2b86.el7.centos.noarch.rpm
NetWitness Root CA Update	rsa-nw-root-ca-update-12.3.1.0-2306220734.5.59e23e8.el7.noarch.rpm
NetWitness SA Tools	rsa-sa-tools-12.3.1.0-2309280758.5.8ff622b.el7.noarch.rpm
NetWitness Security Cli	rsa-nw-security-cli-12.3.1.0-2307130242.5.4f8354b.el7.noarch.rpm
NetWitness Security Server	rsa-nw-security-server-12.3.1.0-230801053618.5.7f8ae3e.el7.centos.noarch.rpm
NetWitness Shell	rsa-nw-shell-12.3.1.0-230919070445.5.01acf01.el7.centos.noarch.rpm
NetWitness SOS Report Plugins	rsa-nw-sosreport-plugins-12.3.1.0-2307130702.5.801926f.el7.noarch.rpm
NetWitness SMS Runtime	rsa-sms-runtime-rt-12.3.1.0-4879.5.27cbe8684.el7.x86_64.rpm
NetWitness SMS Server	rsa-sms-server-12.3.1.0-4881.5.56739cc5c.el7.x86_64.rpm
NetWitness Source Server	rsa-nw-source-server-12.3.1.0-231013065109.5.9197eb9.el7.centos.noarch.rpm
NetWitness Source Server Content	rsa-nw-sourceserver-content-20230921072153-5.x86_64.rpm
NetWitness User Interface	rsa-nw-ui-12.3.1.0-230929080346.5.7d37d25498.el7.centos.noarch.rpm
NetWitness Workbench	rsa-nw-workbench-12.3.1.0-12803.5.ec02638bf.el7.x86_64.rpm

# Getting Help with NetWitness Platform

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## Product Documentation

The following documentation is provided with this release.

Documentation	Location URL
NetWitness Platform Master Table of Contents	<a href="https://community.netwitness.com/t5/netwitness-platform-online/tkb-p/netwitness-online-documentation">https://community.netwitness.com/t5/netwitness-platform-online/tkb-p/netwitness-online-documentation</a>
NetWitness Platform 12.3.1.0 Product Documentation	<a href="https://community.netwitness.com/t5/netwitness-platform-online/tkb-p/netwitness-online-documentation">https://community.netwitness.com/t5/netwitness-platform-online/tkb-p/netwitness-online-documentation</a>
NetWitness Platform 12.3.1.0 Upgrade Guide	<a href="https://community.netwitness.com/t5/netwitness-platform-online/upgrade-guide-for-12-2/ta-p/696583">https://community.netwitness.com/t5/netwitness-platform-online/upgrade-guide-for-12-2/ta-p/696583</a>

## 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

If you contact NetWitness Support, you should be at your computer. Be prepared to provide the following information:

- The version number of the NetWitness Platform product or application you are using.
- The type of hardware you are using.

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

NetWitness Community Portal	<a href="https://community.netwitness.com">https://community.netwitness.com</a> In the main menu, click <b>Support</b> > <b>Case Portal</b> > <b>View My Cases</b> .
International Contacts (How to Contact NetWitness Support)	<a href="https://community.netwitness.com/t5/support/ct-p/support">https://community.netwitness.com/t5/support/ct-p/support</a>
Community	<a href="https://community.netwitness.com/t5/netwitness-discussions/bd-p/netwitness-discussions">https://community.netwitness.com/t5/netwitness-discussions/bd-p/netwitness-discussions</a>
NW Update	<a href="https://update.netwitness.com/">https://update.netwitness.com/</a>
LiveUI	<a href="https://live.netwitness.com">https://live.netwitness.com</a>

## NetWitness Educational Services

Sign up for access to NetWitness courses and additional resources on the NetWitness Educational Services and Training.

NetWitness Education Portal	<a href="https://netwitness.sabacloud.com/Saba/Web_spf/NA10P2PRD088/guestapp/home;spf-url=guest%2Fguestlearningcatalog">https://netwitness.sabacloud.com/Saba/Web_spf/NA10P2PRD088/guestapp/home;spf-url=guest%2Fguestlearningcatalog</a>
NetWitness Educational Services Course Catalog	<a href="https://community.netwitness.com/t5/netwitness-education-courses/tkb-p/netwitness-training">https://community.netwitness.com/t5/netwitness-education-courses/tkb-p/netwitness-training</a>
NetWitness Educational Services Training Schedule	<a href="https://community.netwitness.com/t5/netwitness-education-blog/netwitness-instructor-led-training-schedule/ba-p/655826">https://community.netwitness.com/t5/netwitness-education-blog/netwitness-instructor-led-training-schedule/ba-p/655826</a>
NetWitness Educational Services Support Contact	<a href="mailto:education.support@netwitness.com">education.support@netwitness.com</a>

## Feedback on Product Documentation

You can send an email to [feedbacknwdocs@netwitness.com](mailto:feedbacknwdocs@netwitness.com) to provide feedback on NetWitness Platform documentation.