

NetWitness[®] Platform XDR

Version 12.0

Licensing Management Guide

Contact Information

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August, 2022

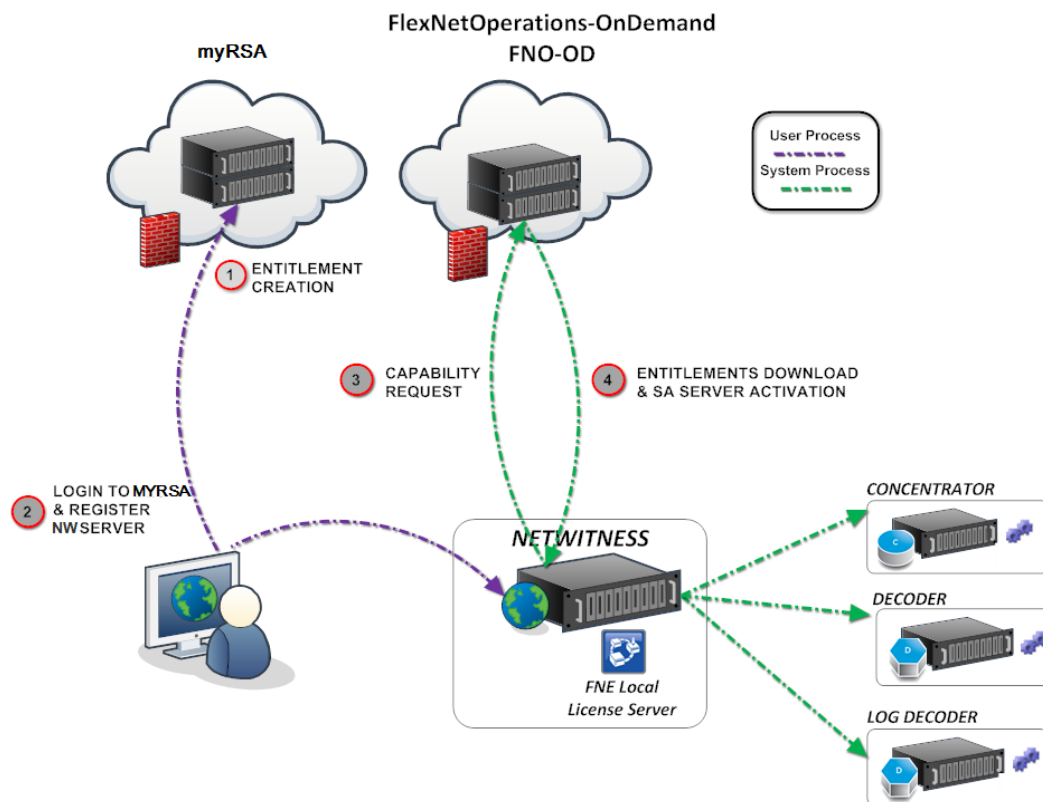
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Entitlement Capability Implementation

This topic describes how licensing of appliances and services is implemented in NetWitness. The entitlement capability leverages myRSA (<https://my.rsa.com/>) as the mechanism for entitlement delivery.



Key	Description
1	<p>Entitlements Created and Available to Customer.</p> <p>After a customer order is processed, the entitlements (licenses) become available in myRSA. The entitlements are tied to an individual account.</p>
2	<p>Register NetWitness Server on myRSA and Map Entitlements to the Local License Server (LLS).</p> <ul style="list-style-type: none"> Customers log on to myRSA and view the entitlements to which they have access within their account. Customers map entitlements to their Local License Server using the License Server ID (displayed in the NetWitness  (Admin) > System > Info panel). The License Server ID is used only for mapping entitlements to a Local License Server and does not pertain to appliance activation.

Key	Description
3	<p>Synchronize the Server and Download Mapped Entitlements. There are two methods for customers to synchronize with FlexNet Operations-On Demand (FNO-OD) and download the mapped entitlements to their LLS.</p> <ul style="list-style-type: none"> • Sites with Internet connectivity. If the LLS has Internet connectivity, the LLS attempts to synchronize with FNO-OD every 24 hours over HTTP (TCP-80). Customers with Internet connectivity can also perform on-demand synchronization, using the Refresh option in the  (Admin) > System > Licensing panel on the NetWitness Server. For more information, see Register the Server (Online Registration). <p>After the synchronization, endpoint entitlements that were mapped to the Local License Server on the NetWitness Platform appliance are synchronized on hourly basis by port 443.</p> <ul style="list-style-type: none"> • Sites in closed environments. Customers can synchronize the mapped entitlements by downloading a capability request and importing it on the NetWitness Server. For more information, see Register the Server (Offline Capability Request). <p>After the synchronization, entitlements that were mapped to the Local License Server on the NetWitness appliance are synchronized, but the entitlements have not been used in any way. For example, if you have purchased 10 Decoders and 10 Concentrators, 10 of 10 Decoder entitlements and 10 of 10 Concentrator entitlements would be available on the NetWitness Server.</p> <div style="border: 1px solid green; padding: 5px;"> <p>Note: FNO-OD is the license server in the cloud on myRSA. The URL is rsasecurity.subscribenet.com. The customer's firewall must allow communications between this URL on port 80 (whatever it resolves to when using lookup or whois) and the NetWitness IP address.</p> </div>

NetWitness Platform Licensing Overview

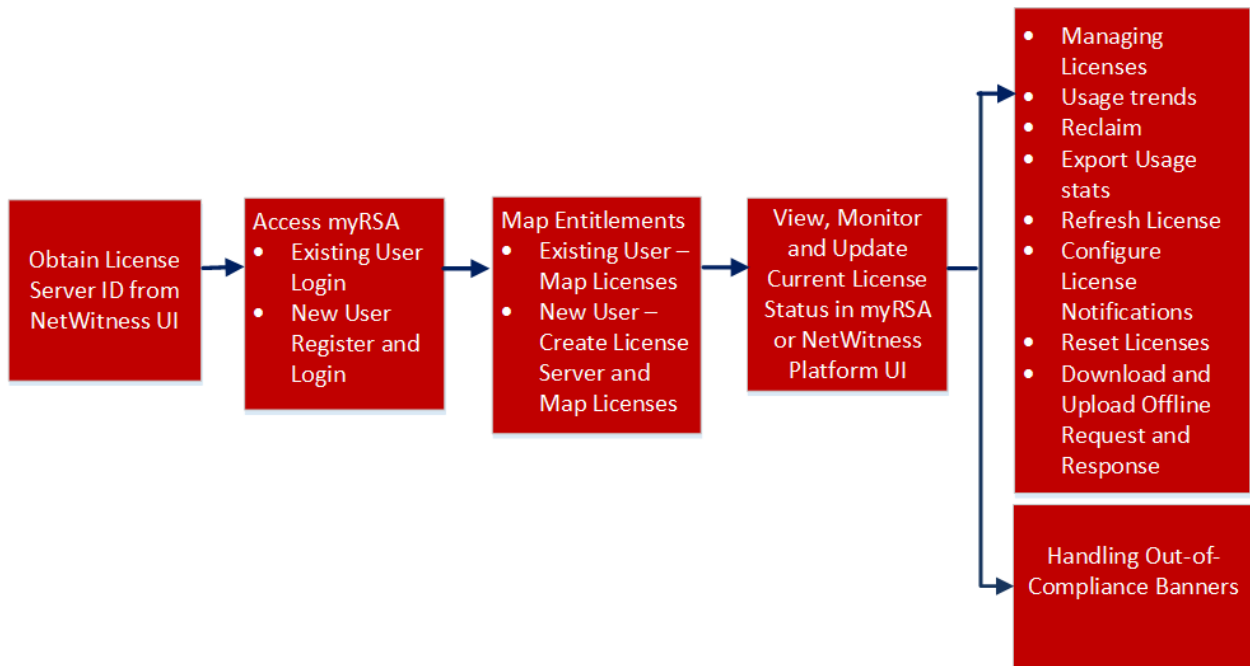
After you have purchased the licenses and have received all the relevant email communications, perform the steps required to map entitlements in NetWitness. You must perform each step in the proper sequence.

This document is divided into three parts:

- How to obtain license information from myRSA and view in the NetWitness Platform UI
- Understanding License Types and its functionality
- Troubleshooting or maintenance information

Workflow

The following workflow illustrates the end-to-end licensing process after you have the NetWitness product installed .



Configuration Step	Description
Obtain License Server ID from NetWitness Platform User Interface	Before you begin the licensing process, you must ensure that you obtain the License Server ID displayed on the NetWitness User Interface.
Access myRSA	Your myRSA Welcome e-mail message contains system log in instructions to myRSA. Instructions for downloading your product licenses can be found in this document, as well as the myRSA website.


Configuration Step	Description
Register the Server (Online Registration)	Your NetWitness Server must be registered to myRSA and entitlements must be mapped. There are two methods of synchronizing NetWitness with myRSA: online and offline.

Obtain License Server ID from NetWitness Platform

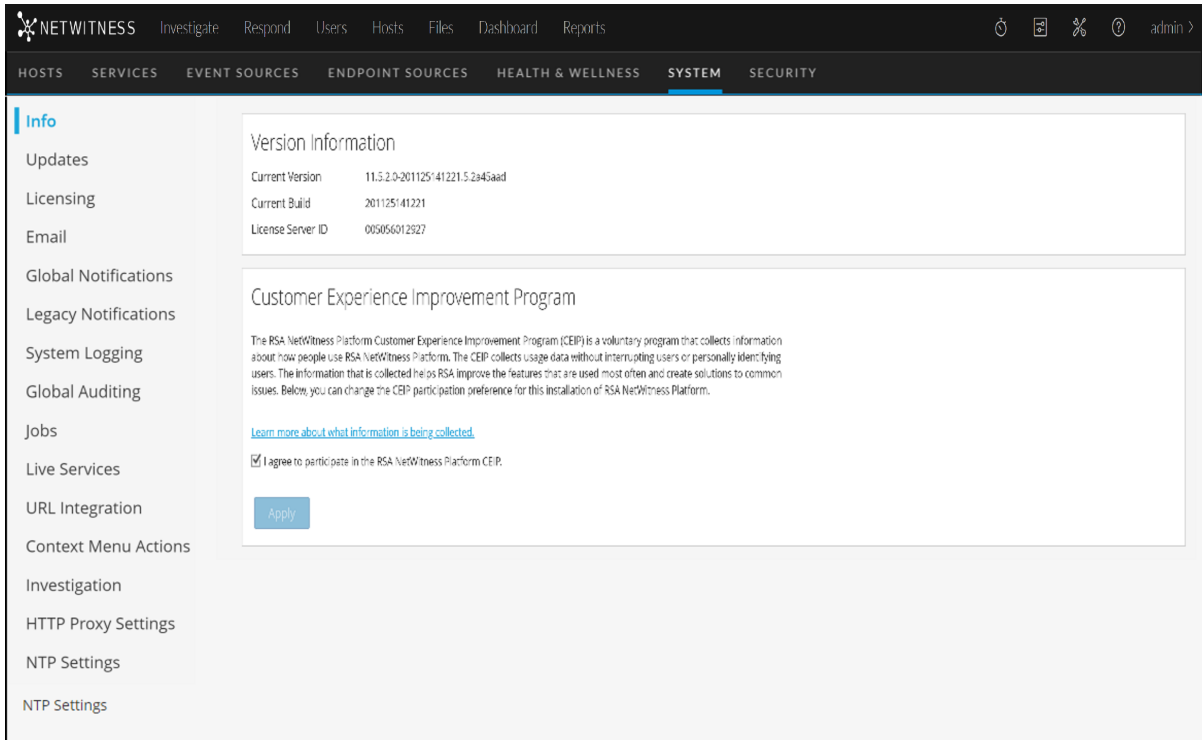
User Interface

Before you begin the licensing process, you must make sure that you obtain the License Server ID displayed in the NetWitness User Interface which is generated on the successful installation of the product.

To obtain the license service ID:

1. Log in to the NetWitness user interface.
2. Go to  (Admin) > System.

The Admin System view opens to display the Version Information in the **Info** panel.



The screenshot shows the NetWitness Admin System view. The top navigation bar includes 'NETWITNESS' and various menu items like 'Investigate', 'Respond', 'Users', 'Hosts', 'Files', 'Dashboard', and 'Reports'. Below this, a secondary navigation bar highlights 'SYSTEM' among other categories like 'HOSTS', 'SERVICES', 'EVENT SOURCES', 'ENDPOINT SOURCES', 'HEALTH & WELLNESS', and 'SECURITY'. On the left, a sidebar lists various system settings under the 'Info' section, including Updates, Licensing, Email, Global Notifications, Legacy Notifications, System Logging, Global Auditing, Jobs, Live Services, URL Integration, Context Menu Actions, Investigation, HTTP Proxy Settings, NTP Settings, and NTP Settings. The main content area displays the 'Version Information' panel with the following details:

Version Information	
Current Version	11.5.2.0-201125/41221.5.2a45aad
Current Build	201125/41221
License Server ID	005056912927

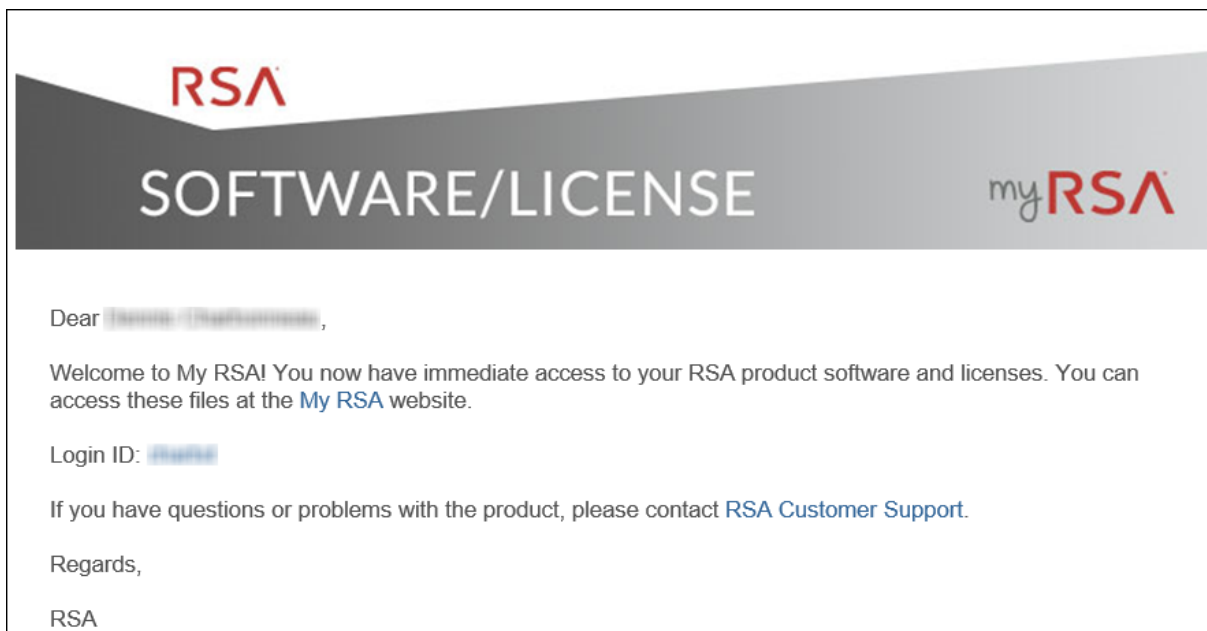
Below the version information is a 'Customer Experience Improvement Program' section. It contains a paragraph explaining the program, a link to 'Learn more about what information is being collected.', and a checkbox labeled 'I agree to participate in the RSA NetWitness Platform CEIP.' which is checked. An 'Apply' button is located at the bottom of this section.

3. Under **Version Information**, locate the **License Server ID** and make a note. Log in to **myRSA** and enter the License Server ID to view your entitled license information. For more information, see [Access myRSA](#).

Access myRSA

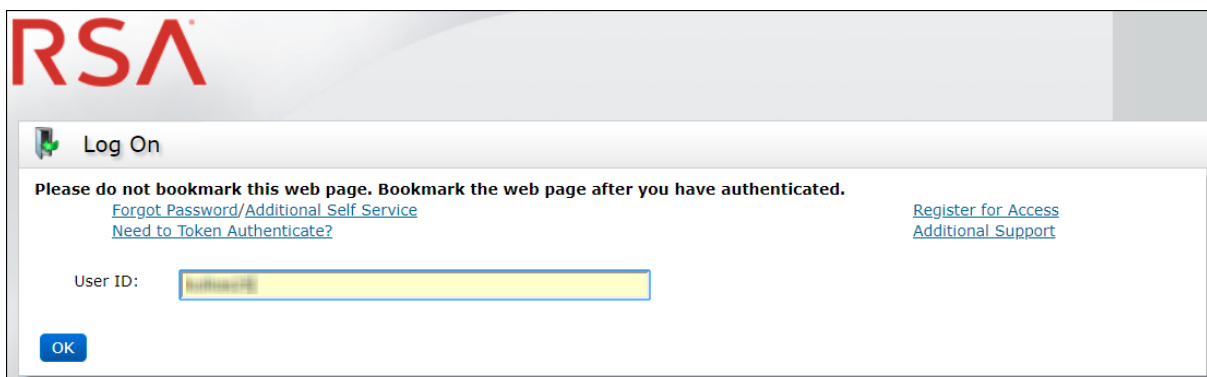
You will receive an order confirmation e-mail. Refer to your myRSA email for login information. If you are a new myRSA user, you also receive an e-mail containing instructions on how to create a new account. Your myRSA Welcome e-mail message contains system log in instructions to myRSA. This document provide you instructions on how to map your product licenses on the [myRSA](#) website.

1. The new users instruction e-mail contains a **Click Here** link. This link opens an Enrollment Portal, where the -Based Authentication (RBA) method must be configured for the account.
2. After the RBA method is enabled, a Confirmation e-mail message containing the User ID (which is your e-mail address), along with a temporary password is sent. After the first login, you are prompted to change the password. Once the password is changed, you are logged into myRSA.



Note: If you have a pre-existing account for the RSA Link or RSA Online websites, you receive only one e-mail on how to use your existing login credentials. You must log into myRSA with your existing User ID, password, and RSA method.

3. When you navigate to <https://my.rsa.com/>, the **RSA Secure Logon** screen is displayed.



- Enter your User ID and click **OK**, which displays the **Password** field. When you enter the password, you are logged into myRSA.

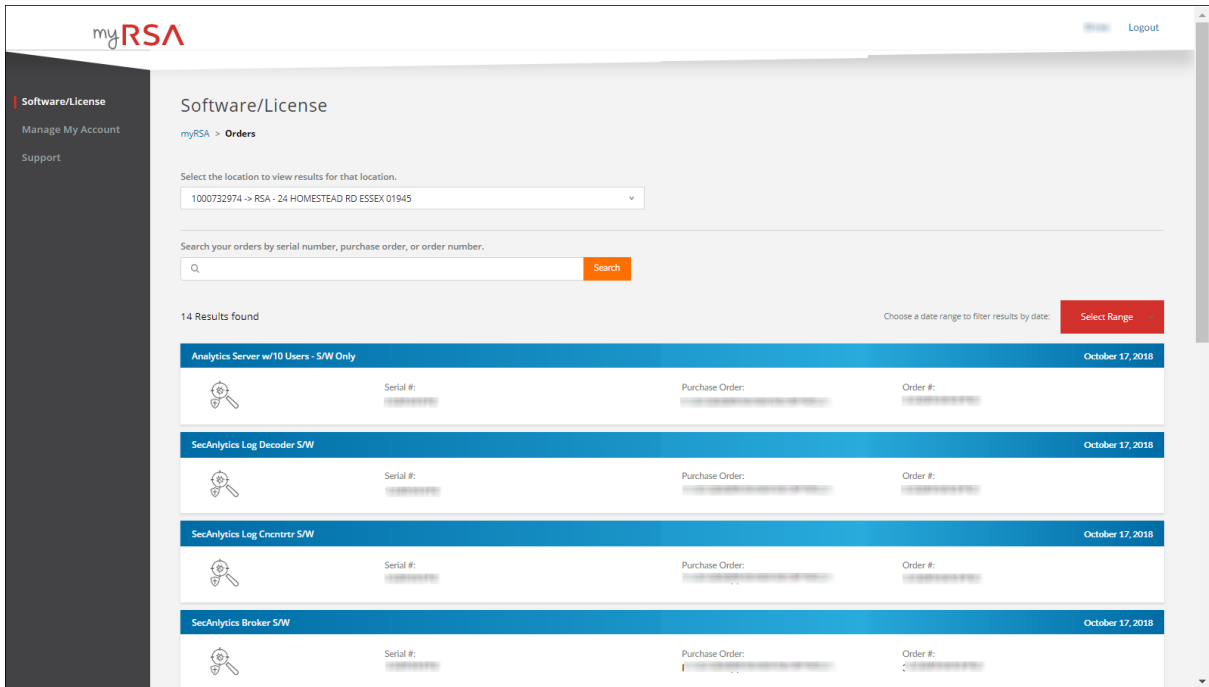
Your contact e-mail address is used to authenticate your User ID. If the Customer Authentication process is successful, the myRSA Software/License page displays a list of all the following products available which are associated to your site location:

- RSA Products
- Serial Numbers
- Purchase Orders
- Sales Orders

Note: You may be prompted to verify your identity through your RBA method, if multiple log in failures occur in a row, or if you have not logged into myRSA within the past several months.

- In the Software/License page, select the Order Location from the drop-down menu. The list of products, sales orders, and purchase orders are filtered and displayed.

The **Order Detail** screen is displayed.



License for NetWitness Endpoint 4.4.0.x Agents

If you are an existing NetWitness Endpoint 4.4.0.x customer, who also has NetWitness Server, Log Hybrid and an ESA box, you receive licenses for NetWitness Endpoint 4.4 and 11.6 agents. You receive the following RSA Order Fulfillment Confirmation email which contains the license details for NetWitness Endpoint 4.4.0.x and NetWitness 11.6.

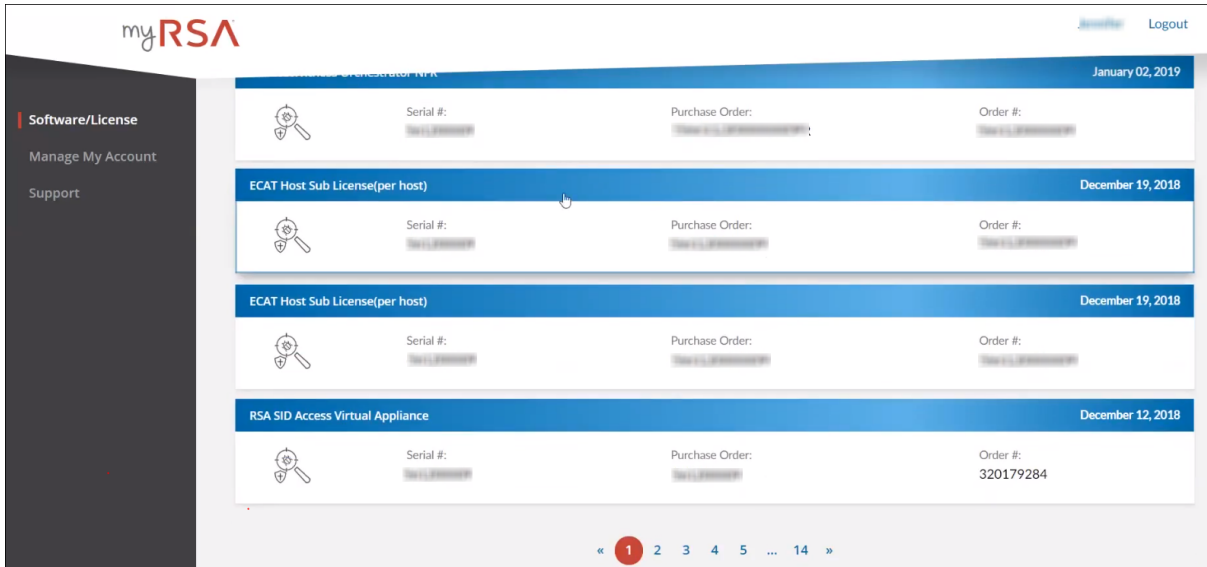
Note: If you are a new NetWitness 11.6 customer, the RSA Order Fulfillment Confirmation email contains the license details for the current 11.6 version only.

Part Number	Part Description	Quantity	Fulfillment Date
ECAT-SUB-T4	Tier4 RNWE Subsc p/Host 1001-2500 1Mo	1	February 7, 2019
# of License Months - 3 Billing Plan Type - Annual in advance License Duration - Term Sales Type - Upgrade Number of Hosts - 500 Serial/License Number: XXXXXXXXXX			
RSA-0015012	ECAT Host Sub License(per host)	1	February 7, 2019
# of License Months - 3 Billing Plan Type - Annual in advance License Duration - Term Sales Type - Upgrade Number of Hosts - 500 Serial/License Number: XXXXXXXXXX			

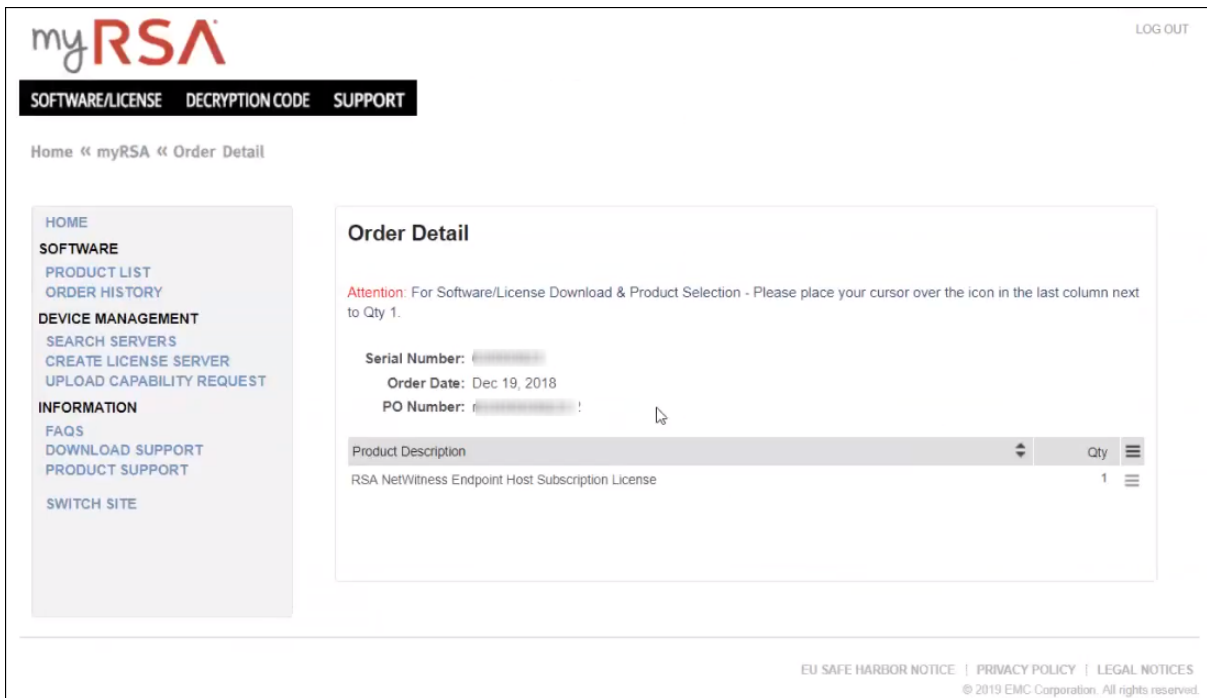
In the above screenshot, the part number with **RSA-0015012** indicates that it is a NetWitness Endpoint 4.4 license and the part number with **ECAT-SUB-T4** indicates that it is a NetWitness 11.6 license. You will get NetWitness 11.6 license and if you have NetWitness Endpoint 4.4 license, myRSA will upgrade the number of host for both licenses.

To download an Endpoint (ECAT) 4.4.x license, perform the following steps:

1. After you log in to myRSA, an ECAT Subscription Licenses option is displayed.



2. Click on ECAT Host Sub License (per host).
The Order Detail page is displayed.



3. Click on **Product Description**.
The License information page is displayed.

The screenshot displays the myRSA web interface. At the top left is the myRSA logo. To the right is a 'LOG OUT' link. Below the logo is a navigation bar with three tabs: 'SOFTWARE/LICENSE', 'DECRYPTION CODE', and 'SUPPORT'. The main content area is titled 'License Information' and contains the following text: 'Displayed below is the license information for your products.', 'Product: RSA NetWitness Endpoint Host Subscription License', 'Effective Date: Dec 19, 2018', 'Order ID: [REDACTED]', 'Order Date: Dec 19, 2018', and 'PO Number: [REDACTED]'. Below this text is a section labeled '0 Available' with a 'License File:' label and a 'Download' button. A left sidebar contains a menu with categories: HOME, SOFTWARE (PRODUCT LIST, ORDER HISTORY), DEVICE MANAGEMENT (SEARCH SERVERS, CREATE LICENSE SERVER, UPLOAD CAPABILITY REQUEST), and INFORMATION (FAQS, DOWNLOAD SUPPORT, PRODUCT SUPPORT, SWITCH SITE). At the bottom right, there are links for 'EU SAFE HARBOR NOTICE', 'PRIVACY POLICY', and 'LEGAL NOTICES', along with a copyright notice: '© 2019 EMC Corporation All rights reserved.'

4. Click **Download** to download NetWitness Endpoint 4.4.0.x license.

If you have an existing NetWitness Endpoint 4.4.0.x and do not have RSA NetWitness Platform, then you must register to the license server. For more information, see [Register the Server \(Online Registration\)](#).

If you have an existing NetWitness Endpoint 4.4.0.x customer, and also NetWitness, then you can use the same license in NetWitness.

If you are new to NetWitness 11.6, and have NetWitness Endpoint, then you can view the license only for the current version in NetWitness.

Register the Server (Online Registration)

In the NetWitness entitlement process, you need to register the NetWitness Server and map the entitlements to the Local License Server (LLS). There are two methods of synchronizing NetWitness with myRSA: online and offline.

Note: By default NetWitness is configured to synchronize with myRSA at regular intervals hence manual synchronization is not required.

1. On the Software/License page, select the Order Location from the drop-down menu. The list of products, sales orders, and purchase orders are filtered and displayed.

The screenshot shows the myRSA Software/License page. The page title is "Software/License" and the breadcrumb is "myRSA > Software". There is a navigation menu on the left with options: Software / License, Orders, Contracts, Products, and Employee Products. Below the breadcrumb, there is a search bar with a "Search" button and a "Select a date range:" dropdown menu. The page displays "14 Results found" and a table with the following columns: Product Name, Serial #, Purchase Order, Order #, and Order Date.

Product Name	Serial #	Purchase Order	Order #	Order Date
Analytics Server w/10 Users - S/W Only				October 17, 2018
SecAnalytics Log Decoder S/W				October 17, 2018
SecAnalytics Log Cncntrtr S/W				October 17, 2018
SecAnalytics Broker S/W				October 17, 2018

2. Click on a line item, select a version from the drop-down and select the **Licenses** checkbox.

Software / License

Orders

Contracts

Products

Employee Products

Back to License Page

RSA Security Analytics Server with 10 Users Software

(Serial Number)

What version would you like to download software and licences for?

Version 11.3

Version Notes

Select Items to Download

Software	File	Size	Checksum
<input type="checkbox"/>	Name: [redacted] Description: [redacted]	383.4MB	sha: [redacted] md5: [redacted]
<input type="checkbox"/>	Name: [redacted] Description: [redacted]	442.9MB	sha: [redacted] md5: [redacted]

View Patches & Documentation ->

Licenses

- 132010192.zip

End User License Agreement

To continue to download you must agree to the RSA End User License Agreement for this version.

End User License Agreement

Download

3. Click **Download**.
The Order Detail page is displayed.

myRSA

LOG OUT

SOFTWARE/LICENSE DECRYPTION CODE SUPPORT

Home « myRSA « Order Detail

HOME

SOFTWARE

- PRODUCT LIST
- ORDER HISTORY

DEVICE MANAGEMENT

- SEARCH SERVERS
- CREATE LICENSE SERVER
- UPLOAD CAPABILITY REQUEST

INFORMATION

- FAQS
- DOWNLOAD SUPPORT
- PRODUCT SUPPORT
- SWITCH SITE

Order Detail

Attention: For Software/License Download & Product Selection - Please place your cursor over the icon in the last column next to Qty 1.

Serial Number: [redacted]

Order Date: Dec 19, 2018

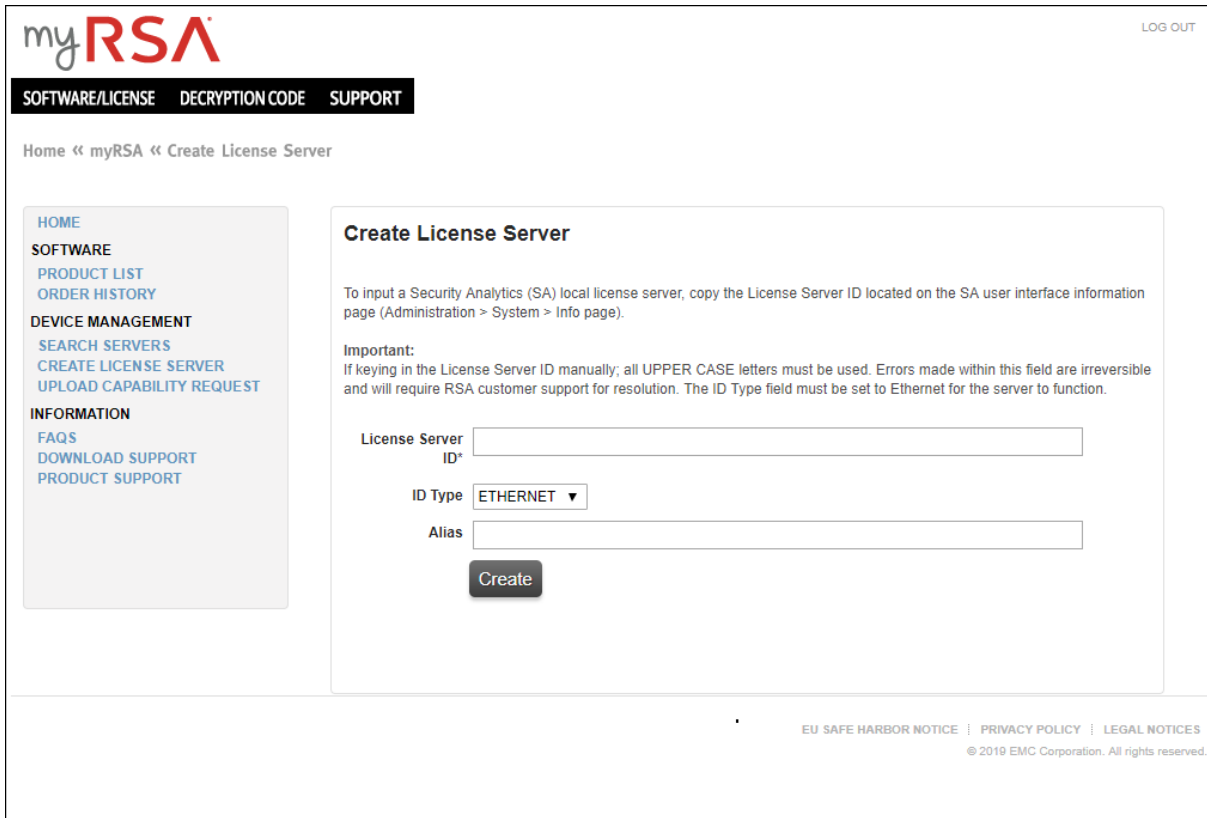
PO Number: [redacted]

Product Description	Qty
RSA NetWitness Endpoint Host Subscription License	1

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4. Click **Create License Server**.



myRSA LOG OUT

SOFTWARE/LICENSE DECRYPTION CODE SUPPORT

Home << myRSA << Create License Server

HOME
SOFTWARE
PRODUCT LIST
ORDER HISTORY
DEVICE MANAGEMENT
SEARCH SERVERS
CREATE LICENSE SERVER
UPLOAD CAPABILITY REQUEST
INFORMATION
FAQS
DOWNLOAD SUPPORT
PRODUCT SUPPORT

Create License Server

To input a Security Analytics (SA) local license server, copy the License Server ID located on the SA user interface information page (Administration > System > Info page).

Important:
If keying in the License Server ID manually; all UPPER CASE letters must be used. Errors made within this field are irreversible and will require RSA customer support for resolution. The ID Type field must be set to Ethernet for the server to function.

License Server ID*

ID Type

Alias

Create

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5. Complete the following fields:
 - Copy or enter (in uppercase letters) the License Server ID in the License Server ID field.
 - In the **ID Type** drop-down, select **ETHERNET** (the default value).
 - In the **Type** drop-down, select **Ethernet** (the default value).
 - (Optional) In the **Alias** field, type an alias to your Appliance ID.
6. Click **Create**.

The View Server page is displayed.

myRSA

English
LOG OUT

SOFTWARE/LICENSE DECRYPTION CODE SUPPORT

Home « myRSA « View Server

HOME
SOFTWARE
PRODUCT LIST
ORDER HISTORY
DEVICE MANAGEMENT
SEARCH SERVERS
CREATE LICENSE SERVER
UPLOAD CAPABILITY REQUEST
INFORMATION
FAQS
DOWNLOAD SUPPORT
PRODUCT SUPPORT

View Server

License Server ID
ID Type ETHERNET
Alias **Update Alias**

[Map Add-Ons](#) | [Remove Add-Ons](#) | [View History](#) | [View Served Clients](#) | [Download Capability Response](#)

Add-Ons

Add-On Name	Status	Serial Number	Units Mapped	Expiration	Downloadable Items
No add-ons are currently mapped.					

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7. Click Map Add-Ons.

The Map Add-Ons page is displayed.

myRSA LOG OUT

SOFTWARE/LICENSE DECRYPTION CODE SUPPORT

Home « myRSA « Map Add-Ons

HOME

SOFTWARE

PRODUCT LIST

ORDER HISTORY

DEVICE MANAGEMENT

SEARCH SERVERS

CREATE LICENSE SERVER

UPLOAD CAPABILITY REQUEST

INFORMATION

FAQS

DOWNLOAD SUPPORT

PRODUCT SUPPORT

Map Add-Ons

Search Add-Ons for Server

Activation Code Serial Number

Add-On Name

Add-On Name	Serial Number	Expiration	Available Units in Line Item	Total Units in Line Item	Qty to Add
SecAnalytics Log Cncontr S/W	<input type="text"/>	Permanent	1	1	<input type="text"/>
NW UEBA Perpetual	<input type="text"/>	Permanent	150	500	<input type="text"/>
SecAnalytics Hybrid4Logs w/5TB S/W	<input type="text"/>	Permanent	1	1	<input type="text"/>
SecAnalytics ESA S/W	<input type="text"/>	Permanent	1	1	<input type="text"/>
SecAnalytics Broker S/W	<input type="text"/>	Permanent	1	1	<input type="text"/>
NW Network Malware Option - Perpetual	<input type="text"/>	Permanent	200	250	<input type="text"/>
NW Network Monitoring - Perpetual	<input type="text"/>	Permanent	100	250	<input type="text"/>
NW UEBA Subscription	<input type="text"/>	Oct 16, 2019	250	500	<input type="text"/>
NW Malware Option - Subscription	<input type="text"/>	Oct 16, 2019	200	250	<input type="text"/>
NW Network Monitoring - Subscription	<input type="text"/>	Oct 16, 2019	50	250	<input type="text"/>

8. After you have registered the license server and viewed the license details, you must map the entitlements. For more information, see [Map Entitlements](#).

Note: By default NetWitness host is configured to synchronize with myRSA at regular intervals and also a designated nameserver (DNS). No action is required.

Note: In a multiple NetWitness deployment where the services are connected to both primary and secondary NetWitness hosts and the services are licensed only with the primary NetWitness, a license expiry message is shown for the same services on the secondary NetWitness. You can ignore the message and continue using the product.

Map Entitlements

Mapping entitlements involves choosing the quantity of available entitlements to pull to the NetWitness Server during synchronization.

To map appliance entitlements to the server:

1. Log in to myRSA.
2. Click on the **SEARCH SERVERS** and then click on the License Server ID to view the entitled Server Details.

The screenshot shows the myRSA web interface. At the top left is the myRSA logo. Below it are navigation tabs: SOFTWARE/LICENSE, DECRYPTION CODE, and SUPPORT. A breadcrumb trail reads: Home << myRSA << View Server. On the left is a sidebar menu with categories: HOME, SOFTWARE (PRODUCT LIST, ORDER HISTORY), DEVICE MANAGEMENT (SEARCH SERVERS, CREATE LICENSE SERVER, UPLOAD CAPABILITY REQUEST), and INFORMATION (FAQS, DOWNLOAD SUPPORT, PRODUCT SUPPORT). The main content area is titled 'View Server' and shows: License Server ID (blurred), ID Type: ETHERNET, and Alias (blurred) with an 'Update Alias' button. Below this are links: Map Add-Ons, Remove Add-Ons, View History, View Served Clients, and Download Capability Response. An 'Add-Ons' section contains a table with columns: Add-On Name, Status, Serial Number, Units Mapped, Expiration, and Downloadable Items. The table is empty with the message 'No add-ons are currently mapped.' At the bottom right, there are links for EU SAFE HARBOR NOTICE, PRIVACY POLICY, and LEGAL NOTICES, along with a copyright notice: © 2019 EMC Corporation. All rights reserved.

3. Click **Map Add-Ons**.

The Map Add-Ons page is displayed.

The screenshot shows the myRSA web interface. At the top left is the myRSA logo. Below it are navigation links: SOFTWARE/LICENSE, DECRYPTION CODE, and SUPPORT. A breadcrumb trail reads: Home « myRSA « Map Add-Ons. On the right, there is a LOG OUT link.

The main content area is titled 'Map Add-Ons'. It features a search section with the text 'Search Add-Ons for Server' followed by a server ID field. Below this are input fields for 'Activation Code', 'Serial Number', and 'Add-On Name', along with a 'Search' button.

The central part of the page contains a table of add-on entitlements. The table has the following columns: Add-On Name, Serial Number, Expiration, Available Units in Line Item, Total Units in Line Item, and Qty to Add. The table lists several add-ons, including SecAnalytics Log Cntrtr S/W, NW UEBA Perpetual, SecAnalytics Hybrid4Logs w/5TB S/W, SecAnalytics ESA S/W, SecAnalytics Broker S/W, NW Network Malware Option - Perpetual, NW Network Monitoring - Perpetual, NW UEBA Subscription, NW Malware Option - Subscription, and NW Network Monitoring - Subscription.

At the bottom of the table area is a 'Map Add-Ons' button.

The Add-On table lists all entitlements that are available for your account. The table has a row for each NetWitness product entitlement, with the following information:

- **Add-On Name:** The name of the entitlement; for example, SMC Concentrator or SMC Decoder.
- **Serial Number:** The serial number associated with a product.
- **Expiration:** For licenses that are not permanent, the expiration information is displayed. The value in this field is a specific date (for example, Oct 6, 2019) or a time range (for example, 90 days). If the value is a time range, the expiration period begins when the add-on is mapped to a server.
- **Available Units in Line Item:** The quantity of entitlements currently available for that license. This quantity is the difference between the Total Units and the entitlements that have been mapped to a NetWitness Server for licensing.
- **Total Units in Line Item:** The total quantity of entitlements tied to a specific license.
- **Quantity to Add:** The number of entitlements for a specific license.

4. To designate the quantity of entitlements to map to the NetWitness Server from a license, type a quantity in the **Units to Configure** column.

5. Click **Map Add-Ons**.

The View Server page displays a message indicating that the entitlements were successfully mapped to the NetWitness Server.

Entitlements are now dedicated and set aside from an accounts pool. The message **Waiting to add to appliance** is displayed in the **Status** for each entitlement. The entitlements are not yet synchronized with the server.

6. (Optional) If you want to add more entitlements, use the **Map Add-Ons** option.

7. (Optional) If you want to remove entitlements, use the **Remove Add-Ons** option.

Now you can synchronize and pull down the mapped entitlements to the NetWitness Server

View Current Licenses

After you have completed the license process, you can view the current licensing status in the NetWitness UI.


Each NetWitness Server is a license server providing capabilities to entitle services connected to it. To make entitlements available for licensing services, the entitlements must be mapped to the Local License Server (LLS) on the NetWitness Server.

Note: If licensing a hybrid system, which has a Concentrator and Decoder on the same appliance, each component must be licensed separately.

View and Manage Licenses

In NetWitness, you can view and manage available licenses.

To view the licenses that are available on this instance of NetWitness:

1. Go to  (**Admin**) > **System**.
2. In the options panel, select **Licensing**.

The **License Details** tab is displayed.

The screenshot displays the 'Licensing' section of the RSA NetWitness management console. The interface includes a navigation sidebar on the left and a main content area with several data tables. A 'Refresh Licenses' button is located in the top right of the main area.

Throughput Entitlements Usage

License Groups	Status	Entitled Usage	Exceeded Usage	Usage Trend	Actions
<ul style="list-style-type: none"> RSA NetWitness Network Packets <ul style="list-style-type: none"> Packets Analyzed: Compliant (Green circle), 2 TB, 1 days Packets On Disk: Non-Compliant (Red circle), 1 TB, 5 days RSA NetWitness Logs <ul style="list-style-type: none"> Logs Analyzed: Compliant - at License Limit (Yellow circle), 51 GB, 3 days RSA NetWitness Malware Analysis <ul style="list-style-type: none"> Files Analyzed: Compliant (Green circle), 2 TB, 0 days RSA NetWitness User Behaviour Analysis <ul style="list-style-type: none"> Users Analyzed: Compliant (Green circle), 2 Users, 0 days RSA NetWitness Endpoint Analysis <ul style="list-style-type: none"> Hosts Analyzed: Compliant (Green circle), 2 Agents, 0 days 					

Throughput Licenses

Licenses and Associated Services	Status	Entitled Usage	Expiry Date	Maintenance Date	Actions
▶ RSA NetWitness Network (Packet)		2 TB			
▶ RSA NetWitness Logs		51 GB			
▶ RSA NetWitness Network (Meta Only)		2 TB			
▶ RSA NetWitness Malware Analytics		2 TB			

Appliance Licenses

Licenses and Associated Services	Status	Available/Total	Usage Trend	Expiry Date	Maintenance Date	Actions
▶ RSA NetWitness Network (Packet)	Licensed (Green circle)	1/2		-	2040-12-31	
▶ RSA NetWitness Malware Analytics	Licensed (Green circle)	0/1		-	2040-12-31	
▶ RSA NetWitness Logs	Licensed (Green circle)	0/1		-	2017-10-05	
▶ RSA NetWitness Logs	Licensed (Green circle)	1/1		-	2015-05-06	
▶ Broker	Licensed (Green circle)	0/1		-	2040-12-31	
▶ RSA NetWitness Malware Analytics	Licensed (Green circle)	1/1		2020-12-07	-	
▶ ESA Correlation	Licensed (Green circle)	1/1		-	2015-05-06	
▶ Concentrator	Licensed (Green circle)	0/1		-	2017-10-05	

UEBA Licenses

Licenses and Associated Services	Status	Entitled Usage	Expiry Date	Maintenance Date
▶ RSA NetWitness UEBA		2 Users		

Endpoint Licenses

Licenses and Associated Services	Status	Entitled Usage	Expiry Date	Maintenance Date
▶ RSA NetWitness Endpoint Server		2 Agents		

Each license is listed in the grid by license type. Information includes the status of the license indicated using color-coded circles and the related information.

Register the Server (Offline Capability Request)

NetWitness manages licensing through a Local License Server (LLS). Each client appliance is shipped with an installed LLS. This topic provides instructions for offline synchronization of the Local License Server (LLS) with the online repository. For more information on the functional description of the LLS, see [Entitlement Capability Implementation](#).

If you are unable to register the NetWitness Server online, you can download an offline capability request in NetWitness and upload that binary request to the myRSA Portal. If the NetWitness Server is not connected to the Internet, you can perform offline synchronization of entitlements through the View Server page in myRSA.

Prerequisites

Before implementing the NetWitness Platform entitlements capability offline, ensure the following

- The NetWitness Server is registered to myRSA (<https://my.rsa.com/>) and entitlements are mapped. Internet access is not required for offline synchronization.
- An Offline Capability Request has been downloaded from the NetWitness UI to be uploaded to myRSA.
- An Offline Response has been uploaded to NetWitness that was received from myRSA within 24 hours.

Here is a workflow that describes how to use the offline capability to acquire the licenses from myRSA and view them.

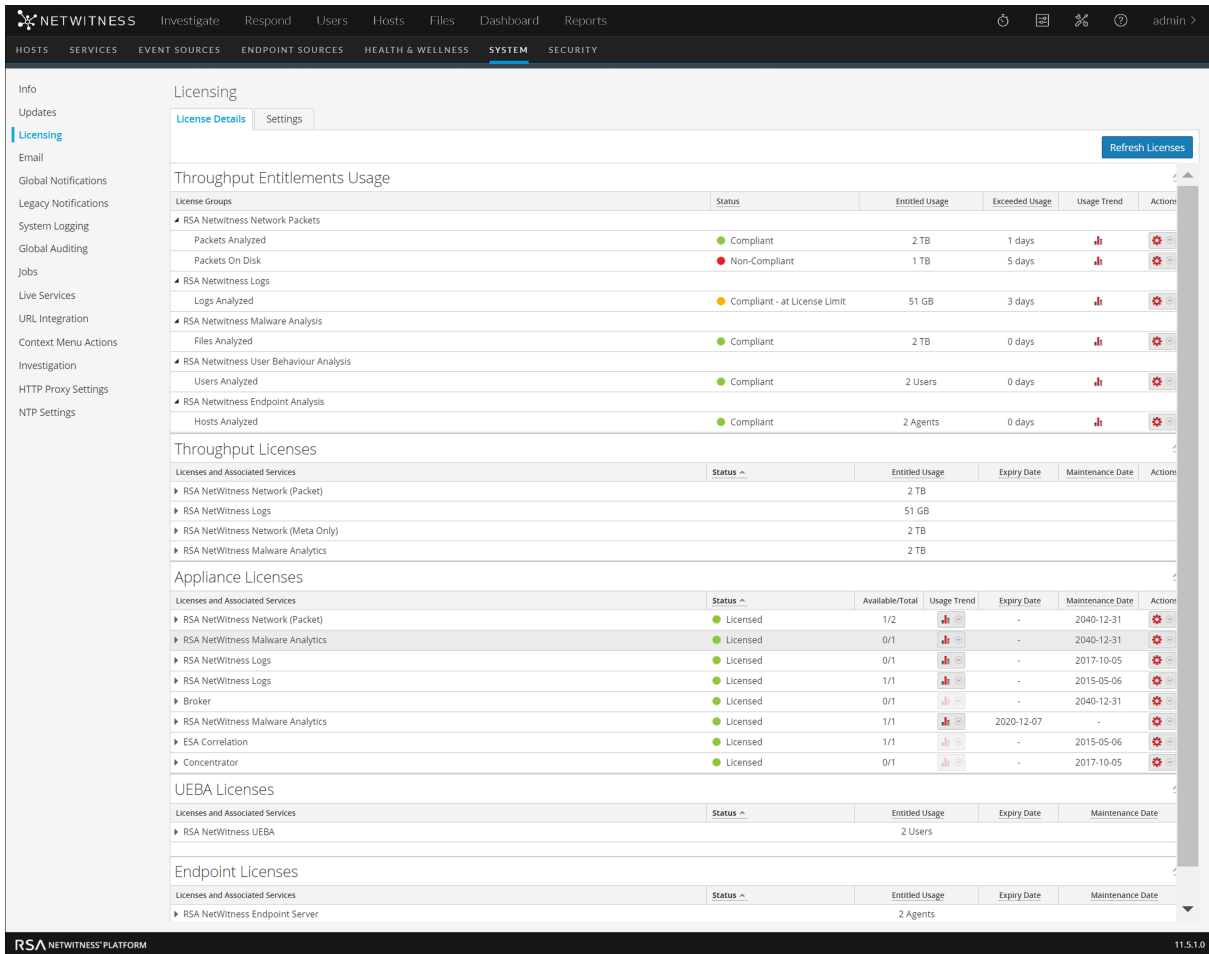


Download an Offline Request for Submission to myRSA

To register the server using an offline capability request:

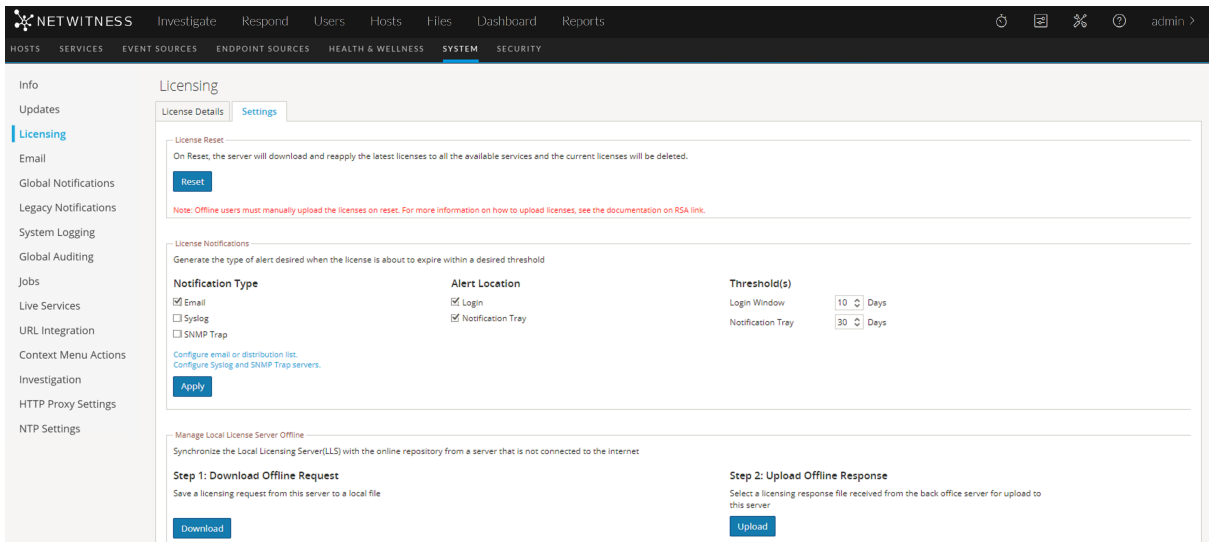
1. Go to  (Admin) > System.
2. Click **Licensing**.

The License Details page is displayed.



3. Select the **Settings** tab.

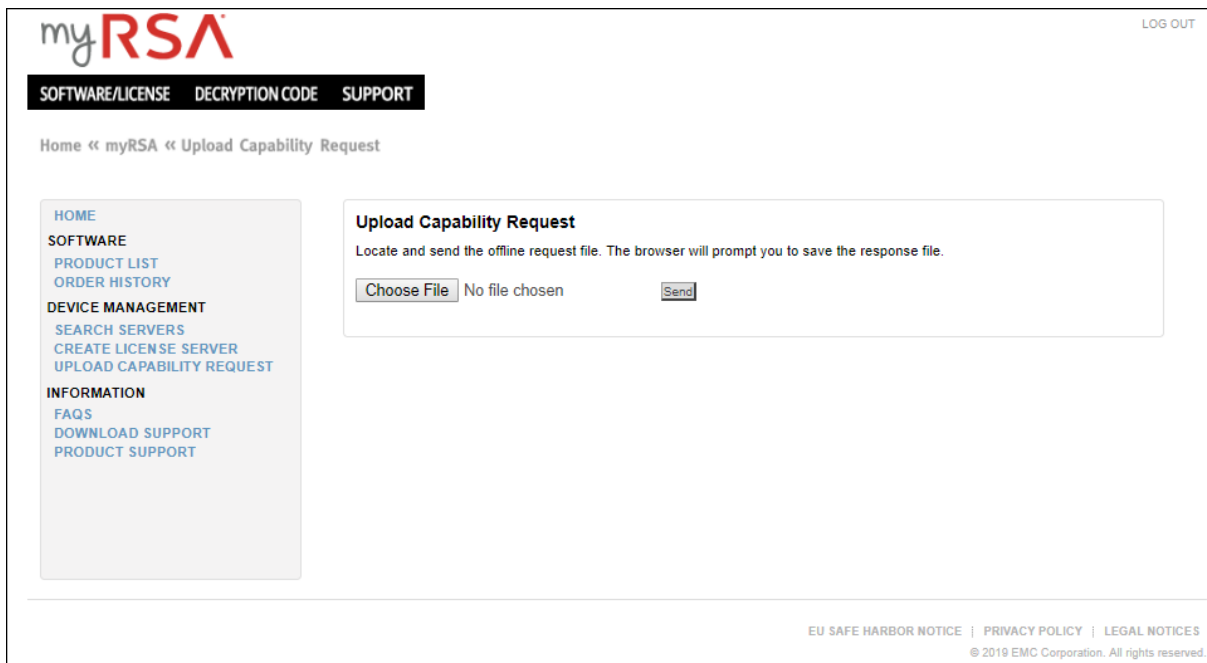
The **Settings** page is displayed.



4. In the **Step 1. Download Offline Request** panel, click **Download**.
A file called **OfflineCapabilityRequest.bin** is downloaded to the local system.
5. Login to the myRSA Portal at <https://my.rsa.com/> with your user credentials.
6. Click on a service which needs to be licensed.

Under **Device Management**, click **Upload Capability Request**.


The **Upload Capability Request** dialog is displayed.



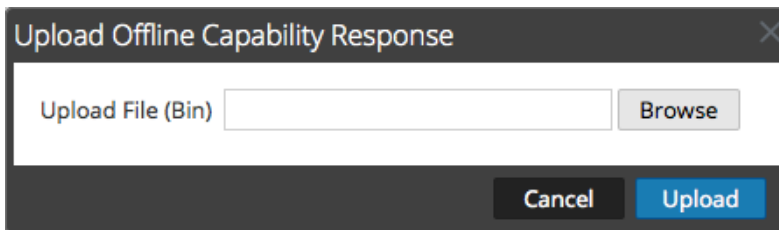
7. Click **Choose File** and browse the local file system to find the file downloaded from the NetWitness Server. Select **OfflineCapabilityRequest.bin**.
The filename is displayed next to the **Choose File** button.
8. Click **Send**.
The license data in a .bin file format is downloaded. The .bin file contains the data you entered as well as information about any entitlements that have been added to the NetWitness Server. If the server has just been added, there are no entries under **Add-Ons**. The server is registered and you can now map entitlements as described in the following sections.
9. After you download the .bin file from myRSA, login to NetWitness UI to upload the .bin file on the Settings page. For more information, see [Upload an Offline Capability Response to NetWitness Platform](#).

Upload an Offline Capability Response to NetWitness Platform

If the NetWitness Server is not connected to the Internet, you can perform offline synchronization of entitlements through the View Server page in myRSA. To upload an offline capability response (**response.bin**) file saved to the local file system from myRSA:

1. Follow the steps 1 to 3 mentioned in the Download a Capability Request for Submission to myRSA procedure.
2. Login to the NetWitness user interface.
3. Go to  (**Admin**) > **System** > **Licensing** > **Settings** tab.
4. In the **Upload Offline Response** section, click **Upload Response**.


A dialog to upload the file is displayed.



5. Browse and select the **response.bin** file so that it is displayed in the Upload File (bin) field.
6. Click **Upload**.

The entitlements are uploaded to NetWitness and the licenses added to the grid in the **Licensing Details** tab. They are available for licensing appliances.

After you have uploaded the entitlements, you can verify the synchronization by performing any one of the following:

- To view results in NetWitness, go to  (**Admin**) > **System**>**Licensing** > **Licensing Details** tab. The individual product entitlements that have been pulled down to NetWitness are displayed in the **Available/Total** column.
- Within the myRSA interface, you can see the status for entitlements changed to **In Sync**.

Refresh Licenses

When a new license is added, to map the view with the new license, click **Refresh Licenses**.

Refreshing your licenses performs the following behind-the-scenes tasks:

- Restarts the LLS server to ensure the latest licenses are pulled down from the central Flexera server.
- Associates any unlicensed service with a valid license (if available).
- Replaces expired or Out-of-the-Box license with valid licenses (if available).

License Types

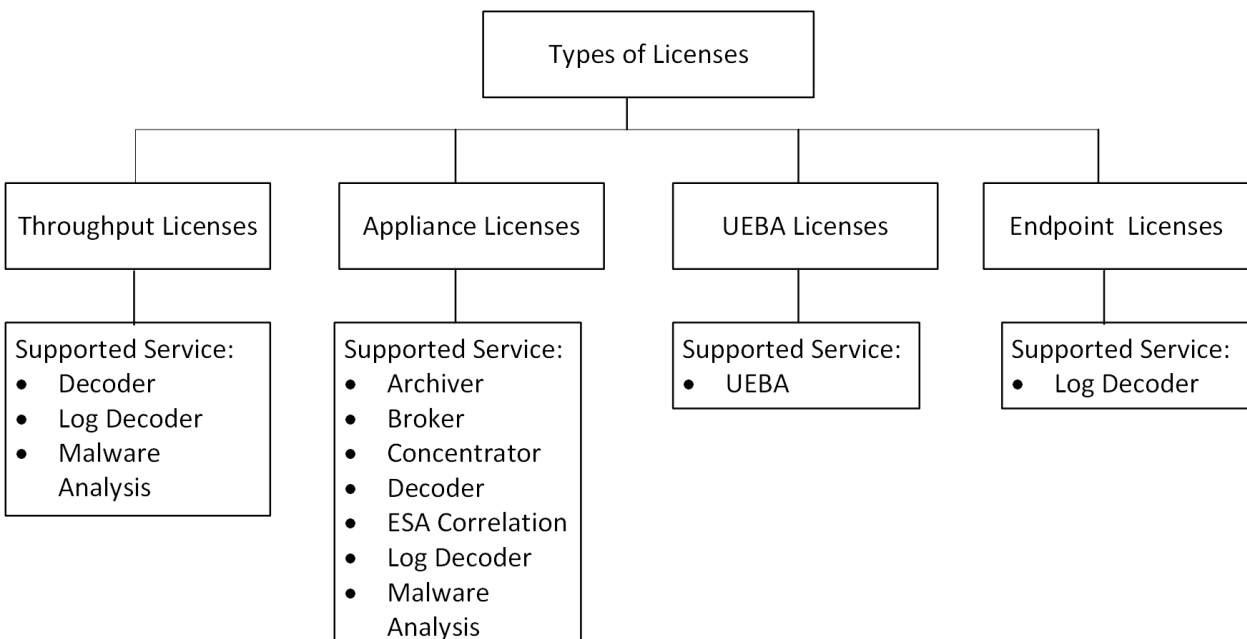
After you have installed the NetWitness software and the required services, you need to acquire the relevant licenses for the each of the services or a group of services based on your requirements. NetWitness entitlement uses a trust-based licensing model. Appliances continue to function as usual even when the license is out-of-compliance.

Choosing a License Type

The type of license you choose is based on your network requirements. The following types of licenses are available in RSA NetWitness:

- Throughput License
- Appliance License
- UEBA (User and Entity Behavior Analytics)
- Endpoint License

Here is a chart, followed by a description of each license type available for the NetWitness Platform products and services.



Throughput Licenses

Throughput license are based on the amount of data used per day for logs (SIEM), or network (packets) or malware.

The throughput per day is measured in Gigabytes per day for logs, and in Terabytes per day for packets. The total amount of throughput is selected based on the total amount of throughput per day that is being licensed across your entire enterprise deployment of NetWitness Platform. This license is measured as follows:

Service	Unit of Measurement	Increments	License Duration
Network Decoder	Terabytes (TB) per day	1 TB	Subscription or perpetual
Log Decoder	Gigabytes (GB) per day	50 GB	Subscription or perpetual
Malware	Terabytes (TB) per day of Files Analyzed by Malware Analysis	1 TB	Subscription or perpetual

Note: In version 11.5 and later, NetWitness Platform introduced Network Meta-Only license in addition to the Network Full Packet license.

Network Full Packet License captures, analyzes, and stores packet payloads and metadata and allows users to retain the packet payload for analysis or for session reconstruction. Network Full Packet License measures the bytes analyzed and the bytes written to the disk for Network Packets.

Network Meta-Only License captures and analyzes packet payloads and discards the packet payload data after analysis. Using this license, NetWitness Platform can be deployed in an environment where full packet capture is not required. This helps to optimally manage the storage space, and easily detect threats without the need to retain the full payload of the sessions. Network Meta-Only License measures the bytes analyzed for Network Packets and can be used with or without the Network Full Packet License.

When customers have both - Network Meta-Only License and Network Full Packet Licenses, the entitlement is aggregated and measured against the bytes analyzed for Network Packets. However, the entitlement for bytes written to disk for Network Packets will continue to be measured against the Network Full Packet Licenses. The following table is an example of how the license is used and analyzed.

Available Licenses	Network Full Packet License	Network Meta-Only License	Network Packet Bytes Analyzed	Network Packet Bytes Written to Disk
10TB of Network Full Packet	10TB	0TB	10TB	10TB
10TB of Network Meta-Only	0TB	10TB	10TB	0TB
10TB of Network Full Packet 5TB of Network Meta-Only	10TB	5TB	15TB	10TB
5TB of Network Full Packet 10TB of Network Meta-Only	5TB	10TB	15TB	5TB

For more information on the status of your license, usage and out of compliance licenses, see [About Out-of-Compliance Banners](#).

Appliance Licenses

NetWitness Platform supports the Appliance license, which is applicable to all hosts that require a license. Other services do not require a license. Appliance licenses are measured as follows:

- Services are licensed automatically if you have a valid appliance based license for a specific service to be licensed.
- Appliance licenses can be purchased as a perpetual license that does not expire and will have a maintenance contract. If you purchase a subscription license, then it will expire if you do not renew the contract.

User and Entity Behavior Analytics Licenses

NetWitness Platform supports the User and Entity Behavior Analytics License (UEBA). This license is based on the number active of users.

NetWitness Platform supports the User and Entity Behavior Analytics License (UEBA). UEBA monitors the number of active users from the previous day and sends it to the licensing server. The entitlement is measured for logs and endpoint events for the number of active users and is checked against a user id. If a threshold is identified in a calendar month an appropriate banner is displayed. For more information on banners, see [About Out-of-Compliance Banners](#).

Endpoint Licenses

Endpoint license are entitled based on the number of active agents deployed.

There are two types of agents:

- **Advanced Agents:** The license for these agents is based on the number of advanced agents in your deployment. A 90-days trial license period is provided. After the 90-days trial period, a zero MB and zero Agent license is applied to the Log Decoder service and Endpoint service in the NetWitness Endpoint Log Hybrid. Once an Endpoint license is applied any Archivers, Brokers, Concentrators, and ESA are automatically licensed as a result. An usage exceeded banner is displayed when the license goes out-of-compliance in the following scenarios:
 - a. If the number of active agents exceeds the number of licensed agents
 - b. If the Endpoint Subscription is about to expire in near future or has already expired.

For example, if you have purchased a license for 50,000 agents and if the number of agents exceeds more than 50,000, the banner is displayed.

Or, if you have purchased a license for 50k agents but have mapped the entitlements for only 10k agents on myRSA, an out-of-compliance banner is displayed when your usage exceeds these 10k active agents.

- **Insights Agents** - There is no license required for these agents if they are used to collect only endpoint data.
- **Log Collection with Endpoint Agents** - All Endpoint agents (Advanced or Insights) can forward Windows Log data only to a licensed Log Decoder (or Hybrid). Windows Logs sent to a licensed Log Decoder (or Hybrid) will count against either the applied Throughput or Appliance license. Logs may be retained in the NetWitness Endpoint Log Hybrid as long as a Log (SIEM) Throughput license with available capacity is available. In either case, a license for Logs is required, irrespective of the Insights or Advanced agent.

NetWitness Endpoint 4.4.0.x License

If you have a **NetWitness Endpoint 4.4.0.x** license, you can use the same amount of license on NetWitness 11.6. For example, if you have purchased a 50,000 license for NetWitness Endpoint 4.4.0.x, you will get a 50,000 license on NetWitness Endpoint 4.4.0.x as well as on NetWitness 11.6. For more information on how to get a license for **NetWitness Endpoint 4.4.0.x**, see License for NetWitness Endpoint 4.4.0.x Agents.

Out-of-the-Box Trial License

RSA NetWitness Platform comes with an OOTB 90-days trial license.

For Endpoint metered license, you will be provided with 0MB Log Decoder license. The 0MB license from the Log Decoder will be utilized after the 90-days trial period is complete. If you are still within the 90-days trial period and if you have an Endpoint Metered license, then the Log Decoder uses the remaining trial license. The Log Decoder will apply the 0MB license only after the trial license completed.

Configure License Support For Multiple NetWitness Servers

If you have multiple NetWitness servers deployed in your environment, and require license support, you must configure multiple Mac addresses.

To configure online:

1. Log in to the NetWitness Server console.
2. Navigate to `/opt/netwitness/flexnetls`.
3. Edit the `local-configuration.yaml` file and add the mac address of the back up or secondary host.
For example, `backup-hostid: 685B3596A5F3` or `backup-hostid: "685B3596A5F3:785B3596A5F3"`.
4. Restart `systemctl restart flexnetls-RSALM`.
5. Obtain the instance details from `wget http://localhost:3333/api/1.0/instances` and set the `"failOverRole"` to `MAIN` to verify the failover.
For example, `"failOverRole" : "MAIN"`.

To configure offline:


1. Perform the step 1 to step 6 from the online procedure .
2. Download the capability request from NetWitness UI.
3. Upload the request to FNO (myRSA).
4. Upload the response from FNO (myRSA) to the NetWitness UI.

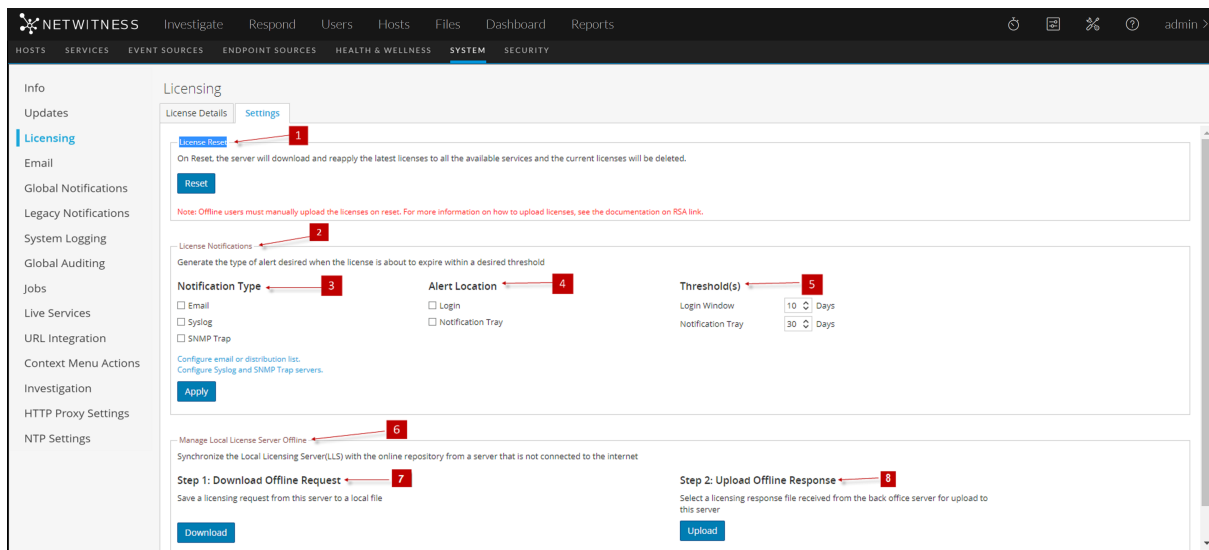
Configure License Notifications

This topic provides instructions for configuring notification settings for the Local License Server (LLS). If you wish to receive alerts about the approaching license expiration date, you can configure NetWitness to send notifications. You can receive notification by email, syslog and SNMP. You can also view the notification during system log on and in the Notification Tray. You can also specify the number of days before expiration as a threshold for notification.

Note: In the Analyst UI, the license notifications will not be displayed in the notification tray or login window when the license goes out of compliance or when the license expires. This is displayed only on the Admin UI.

To configure the notification:

1. Go to  (Admin) > System.
2. Select **Licensing**.
3. Select the **Settings** tab.



4. Select each of the methods for NetWitness to use when sending a notification about the license status.
 - a. To receive a notification at log on, select **Login** and specify the number of days before the license expires that you want to receive notification in the **Login Window Threshold** field.
 - b. To receive a notification in the Notifications tray, select **Notification Tray** and specify the number of days before the license expires that you want to receive notification in the **Notification Tray Threshold** field.
 - c. To receive an Email notification to a configured distribution list, select **Email** and select **Configure email or distribution list**. The Email panel is displayed in a separate tab, and you can

configure notifications in the Email Server Settings section. Refer to the *System Configuration Guide* for further details.

- d. To receive syslog notifications, select **Syslog** and click **Configure Syslog and SNMP Trap servers**. The System Auditing panel opens in another tab and you can configure the system settings.
 - e. To receive notifications through SNMP Trap, select **SNMP Trap** and select **Configure Syslog and SNMP Trap servers**. The System Auditing panel opens in another tab and you can configure the SNMP auditing settings.
5. Click **Apply Notifications**.
The settings are saved and go into effect immediately.

About Out-of-Compliance Banners

Banners let you know the status of your license and usage compliance.

Note: To help customers transition seamlessly to Throughput license for their network (packet) usage, NetWitness Platform provides a 45 days grace period. So, on upgrading to 11.6, you will not see the Out-of-Compliance notification or banner for 45 days from the day of upgrade for any network license usage. If you upgrade from 11.5.1 or later to 11.6, the available balance of the unused grace period will be applicable after the upgrade. For example

- If the grace period of 20 of the 45 days is used post upgrade to 11.5.1 or later then customers upgrading to 11.6 will get the remaining 25 days of the grace period.
- If the grace period of 45 days is used post upgrade to 11.5.1 or later the customers upgrading to 11.6 will not have any grace period left.

When a license for a specific service is about to expire, an **Entitlement Expiration** message is displayed with the list of services about to expire.

Entitlement Expiration

Recommended Action


Please notify the customer support team no later than 10 days prior to expiration.

Service Name	Entitlement	Days Remaining
endpointhybrid1 - Log Decoder	smcLogDecoderMetered	10
packethybrid - Decoder	smcDecoderMetered	10
endpointloghybrid1 - Log Decoder	smcLogDecoderMetered	10

OK

After you log on, either a red or yellow banner may be displayed, based on the license issue:

- A red banner is displayed if your license has expired, or exceeded the allotted usage, or if the license has internal errors.

 **One or more licenses have expired. Please see [License Details](#) for additional details.**

Note: A red banner cannot be dismissed and the license issue must be resolved.

- A yellow banner is displayed if the license is approaching expiration or the license is nearing the allotted usage. The banner can be dismissed by clicking the **Reject** button.



Here is an example of how the license usage is calculated and a way that you can resolve the license issues:

- Contracted daily usage can be exceeded three times in a calendar month. The fourth spike puts the system in an out-of-compliance state. If you are able to keep your usage within compliance for seven consecutive days until the end of calendar month, the Out-of-Compliance Red banner disappears.
- For example, if the fourth spike occurs on November 23, 2019, the Grace Period ends on December 31, 2019 and the Out-of-Compliance Red banner disappears.
- The breach period starts immediately after Grace Period ends. However, if your deployment is in a breach state, you can bring the state back to normal by keeping the usage in a compliant state for seven consecutive days.

Note: Even when the Red banner is displayed, there is no loss of functionality, all NetWitness appliances continue to work with full functionality. All other functionality is included in the license (ESA, storage, and so on).

Troubleshoot Licensing

This topic provides information about possible issues that NetWitness users may encounter when setting up licensing in NetWitness. You can look up explanations of issues and their solutions. NetWitness notifies users of issues using the popup notifications and the system log as described in the "Troubleshoot NetWitness" topic in the *System Maintenance Guide*.

Out-of-Compliance Banners

Problem	Possible Causes	Solutions
Yellow and Red Out-of-Compliance Banners	<ul style="list-style-type: none">• A service is not licensed.• A license has expired, or is due to expire within the next two weeks.• Usage exceeds entitled limit.• Usage is approaching entitled limit.	<ul style="list-style-type: none">• Contact Customer Support to buy or renew your license.• Reduce usage or• Adjust contracted usage amount

Common Log and Configuration Files



When troubleshooting licensing, the following files contain information that may help to diagnose the problem. Specific conditions for searching the files are described in the troubleshooting tables.

On the NetWitness Server, run `wget` for the following files after you ssh onto the NetWitness Server:

- `http://localhost:3333/api/1.0/features`
- `http://localhost:3333/api/1.0/instances`
- `http://localhost:3333/api/1.0/hostids`
- `http://localhost:3333/api/1.0/capability_request`

NetWitness Server Problems

This table lists possible problems with the NetWitness Server errors that can affect entitlements.

Problem	Possible Causes	Solutions
Some features have been mapped in the central Flexera server, but the NetWitness Server does not display them.	Ensure that the NetWitness Server is connected to the Internet.	<p>To resolve the error execute a License Refresh as follows:</p> <ol style="list-style-type: none"> 1. GSo to  (Admin) > Services > Licensing. 2. In the License Details tab, click Refresh Licenses. <div style="border: 1px solid green; padding: 5px; margin-top: 10px;"> <p>Note: If the NetWitness Server is not connected to the Internet, try to synchronize offline. For more information, see Register the Server (Offline Capability Request)</p> </div>
NetWitness Platform Licensing page not showing any license information although there are services available.	Ensure that you have the required entitlements pulled down from the Central Flexera server.	<p>To resolve the error execute a License Refresh as follows:</p> <ol style="list-style-type: none"> 1. Go to  (Admin) > Services > Licensing. 2. In the License Details tab, click Refresh Licenses.

Wrong License Mapping Issue

Problem	Possible Causes	Solution
Decoder license not available due to core appliances being removed from the NetWitness Server without releasing the license. Several core appliance licenses were not available for use.	Various possible causes.	Reset the license on NetWitness Server.

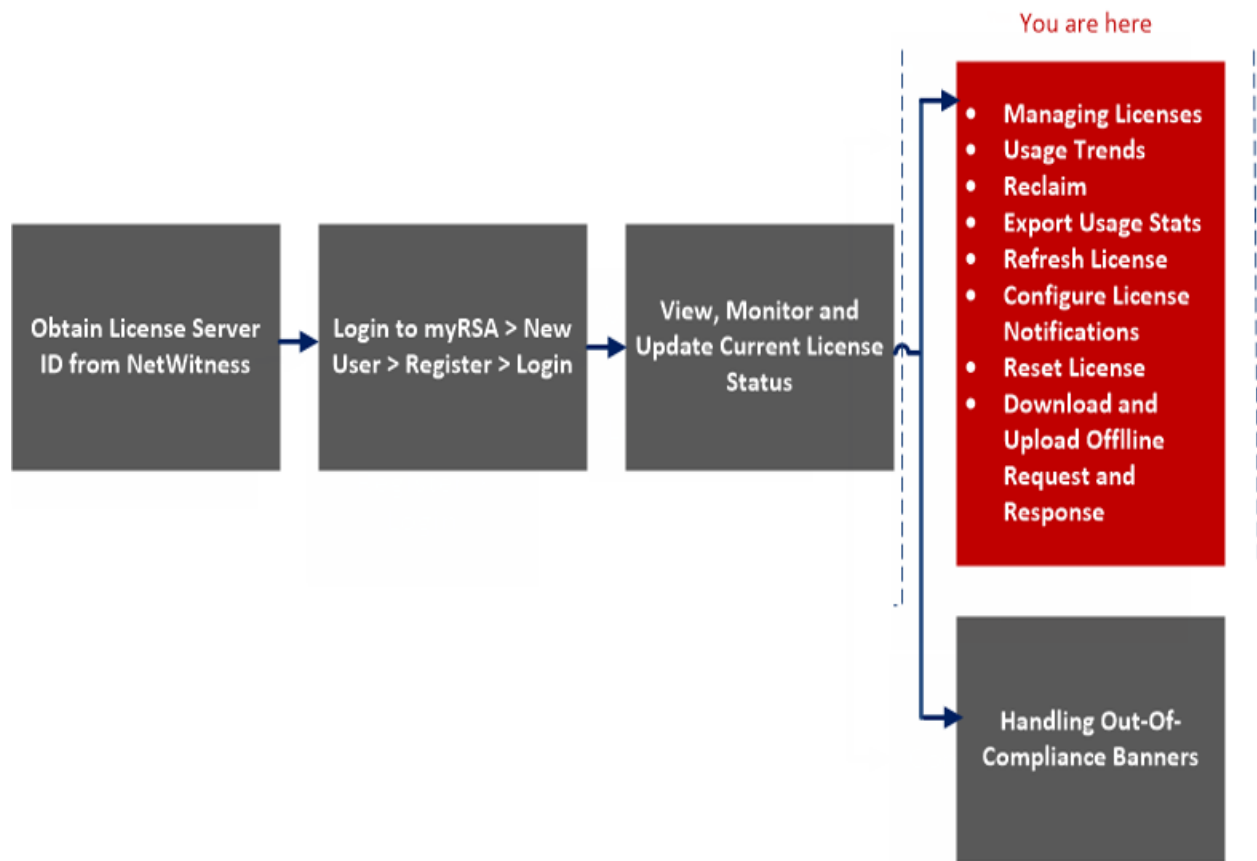
Problem	Possible Causes	Solution
Archiver DACs are not mapped to the license server with all other appliances' licenses.	Various possible causes.	<ol style="list-style-type: none">1. Enter 1 in Quantity field to add for each license.2. Select Map Add-ons at the bottom of the screen.3. Click Download Capability Request and upload license to the Offline Capability Request in the User Interface under the License tab.
Two new appliances were installed: one Log Hybrid and one Log Archiver. Able to license the Log Hybrid, but the following error occurred when attempting to license the Archiver: "There is an issue with registering your product, please contact RSA Customer Support." Also, one of the Concentrators showed as a Trial license, and a separate Log Decoder showed as a Trial license when they should be licensed.	The new entitlements are not mapped to the license server.	Map add-ons to myRSA and upload the .bin file into the NetWitness User Interface.

License Details

This topic introduces the features of the System Licensing panel. NetWitness manages licensing through a Local License Server (LLS). Each client appliance is shipped with an installed LLS.

Workflow

This workflow shows the end-to-end licensing process.



What do you want to do?

Role	I want to...	Show me how...
Administrator	Register NetWitness Server	Obtain License Server ID from NetWitness Platform User Interface
Administrator	Synchronize NetWitness Server	Register the Server (Online Registration)
Administrator	Install product licenses from DLC	Access myRSA
Administrator	*Monitor and update current licenses.	View Current Licenses

Role	I want to...	Show me how...
Administrator	Configure licensing notifications.	Configure License Notifications
Administrator	View Out-of-Compliance banners	About Out-of-Compliance Banners

*You can perform this task here.

Related Topics

- [Settings](#)
- [View and Export Usage Stats](#)

Note: On initial start up, the usage shown in the Licensing page displays zero usage for the initial one hour.

Quick Look

The screenshot shows the NetWitness interface with the 'Licensing' tab selected. The page is divided into several sections:

- Throughput Entitlements Usage:** A table showing usage for various license groups.

License Groups	Status	Entitled Usage	Exceeded Usage	Usage Trend	Actions
<ul style="list-style-type: none"> RSA NetWitness Network Packets <ul style="list-style-type: none"> Packets Analyzed: Compliant, 2 TB, 1 days Packets On Disk: Non-Compliant, 1 TB, 5 days RSA NetWitness Logs <ul style="list-style-type: none"> Logs Analyzed: Compliant - at License Limit, 51 GB, 3 days RSA NetWitness Malware Analysis <ul style="list-style-type: none"> Files Analyzed: Compliant, 2 TB, 0 days RSA NetWitness User Behaviour Analysis <ul style="list-style-type: none"> Users Analyzed: Compliant, 2 Users, 0 days RSA NetWitness Endpoint Analysis <ul style="list-style-type: none"> Hosts Analyzed: Compliant, 2 Agents, 0 days 					
- Throughput Licenses:** A table showing the status and usage of various licenses.

Licenses and Associated Services	Status	Entitled Usage	Expiry Date	Maintenance Date	Actions
<ul style="list-style-type: none"> RSA NetWitness Network (Packet): 2 TB RSA NetWitness Logs: 51 GB RSA NetWitness Network (Meta Only): 2 TB RSA NetWitness Malware Analytics: 2 TB 					
- Appliance Licenses:** A table showing the status and usage of appliance licenses.

Licenses and Associated Services	Status	Available/Total	Usage Trend	Expiry Date	Maintenance Date	Actions
<ul style="list-style-type: none"> RSA NetWitness Network (Packet): Licensed, 1/2 RSA NetWitness Malware Analytics: Licensed, 0/1 RSA NetWitness Logs: Licensed, 0/1 RSA NetWitness Logs: Licensed, 1/1 Broker: Licensed, 0/1 RSA NetWitness Malware Analytics: Licensed, 1/1 ESA Correlation: Licensed, 1/1 Concentrator: Licensed, 0/1 						
- UEBA Licenses:** A table showing the status and usage of UEBA licenses.

Licenses and Associated Services	Status	Entitled Usage	Expiry Date	Maintenance Date
<ul style="list-style-type: none"> RSA NetWitness UEBA: 2 Users 				
- Endpoint Licenses:** A table showing the status and usage of endpoint licenses.

Licenses and Associated Services	Status	Entitled Usage	Expiry Date	Maintenance Date
<ul style="list-style-type: none"> RSA NetWitness Endpoint Server: 2 Agents 				

The following table describes the features of the License Details tab.

- 1 **Refresh Licenses:**Refreshes and maps the new licenses.
- 2 Displays the following details of the Throughput license or licenses.
 - **License and Associated Service** - Displays the license and the services assigned to it.
 - **Status** - Displays the status of the license such as Expired License, Over Usage Limit, Near Usage Limit, and Within Usage limit.
 - **Entitled Usage** - Displays the entitled usage for aggregate as well as individual services .
 - **Exceeded Usage** - Displays the number of days the usage exceeded the entitled usage in the last 30 days for each individual service.
 - **Usage Trend** - Displays the trend of how the license usage has been for a period of time for aggregate as well as individual services.
 - **Expiry Date** - Displays the expiry date of the customer subscription contract.
 - **Maintenance Date** - Displays the maintenance expiration date for the permanent license or licenses and the date on which the license or licenses expire.
 - **Actions** - Displays the Licensing Actions button that offers the following options:
 - **Export Usage Stats:** Exports license usage statistics for the selected service or license.
 - **Reassign to Another License:** Reassigns an extensively used Throughput license to another unused Throughput license. This is applicable only for Throughput and Appliance license.
- 3 Displays the following details of the Appliance license or licenses.
 - **License and Associated Service** - Displays the license and the services assigned to it.
 - **Status** - Displays the status of the license such as Expired License, Over Usage Limit, Near Usage Limit, and Within Usage limit.
 - **Available/Total** - Displays the number of available license and the total number of licenses.
 - **Usage Trend** - Displays the trend of how the license usage has been for a period of time for aggregate as well as individual services
 - **Expiry Date** - Displays the renewal date of the customer subscription contract.
 - **Maintenance Date** - Displays the maintenance expiration date for the permanent license or licenses and the date on which the license or licenses expire.
 - **Actions** - Displays the Licensing Actions button that offers the following options:
 - **Export Usage Stats:** Exports license usage statistics for the selected service or license.
 - **Reassign to Another License:** Move the license from Appliance to Throughput license.
 - **Reclaim:** This option gets activated when any appliance service is down. When you click **Reclaim** the license becomes available in the pool of the specific license service. This is applicable only for Appliance license.
- 4 Displays the following details of UEBA license or licenses.
 - **License and Associated Service** - Displays the license and the services assigned to it.
 - **Status** - Displays the status of the license such as Expired License, Over Usage Limit, Near

Usage Limit, and Within Usage limit.

- **Entitled Usage** - Displays the number of entitled users.
- **Actual Usage** - Displays the daily active users.
- **Exceeded Usage** - Displays the number of days the usage exceeded the entitled usage in the last 30 days for each individual service.
- **Usage Trend** - Displays the trend of how the license usage has been for a period of time for aggregate as well as individual services
- **Expiry Date** - Displays the renewal date of the customer subscription contract.
- **Maintenance Date** - Displays the maintenance expiration date for the permanent license or licenses and the date on which the license or licenses expire.
- **Actions** - Displays the Licensing Actions button that offers the following options:
 - **Sort Ascending**
 - **Sort Descending**

5 Displays the following details of Endpoint license or licenses.

- **License and Associated Service** - Displays the license and the services assigned to it. For example, Endpoint Hybrid or Endpoint Log Hybrid.
- **Status** - Displays the status of the license such as Expired License, Over Usage Limit, Near Usage Limit, and Within Usage limit.
- **Entitled Usage** - Displays the users of the entitled agents .
- **Actual Usage** - Displays the number of daily active agents .
- **Exceeded Usage** - Displays the number of days on which the actual number of agents exceeded the entitled threshold.
- **Usage Trend** - Displays the trend of how the license usage has been for a period of time.
- **Expiry Date** - Displays the renewal date of the customer subscription contract.
- **Maintenance Date** - Displays the maintenance expiration date for the permanent license or licenses and the date on which the license or licenses expire.
- **Actions** - Displays the Licensing Actions button that offers the following options:
 - **Sort Ascending**
 - **Sort Descending**

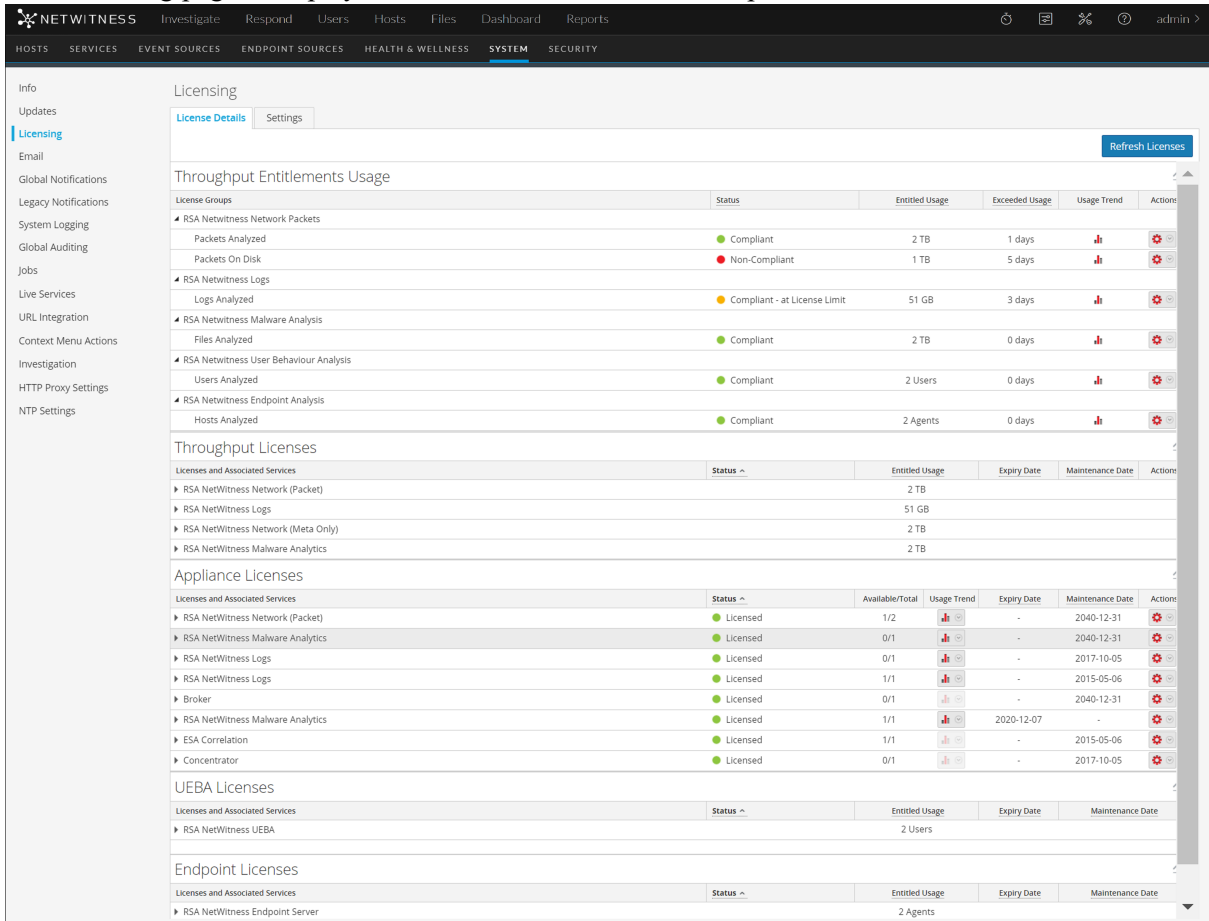
Usage Trends

You can view the usage trend for aggregate licenses as well as individual licenses. The data is displayed for each day. When you click the usage trend icon, it opens a new window and displays the usage data as a chart. The user can use this data to analyze the license usage in the deployment.

To access this view:


1. Go  (Admin) > **System** and select **Licensing**.

The Licensing page is displayed with the License Details tab opens.

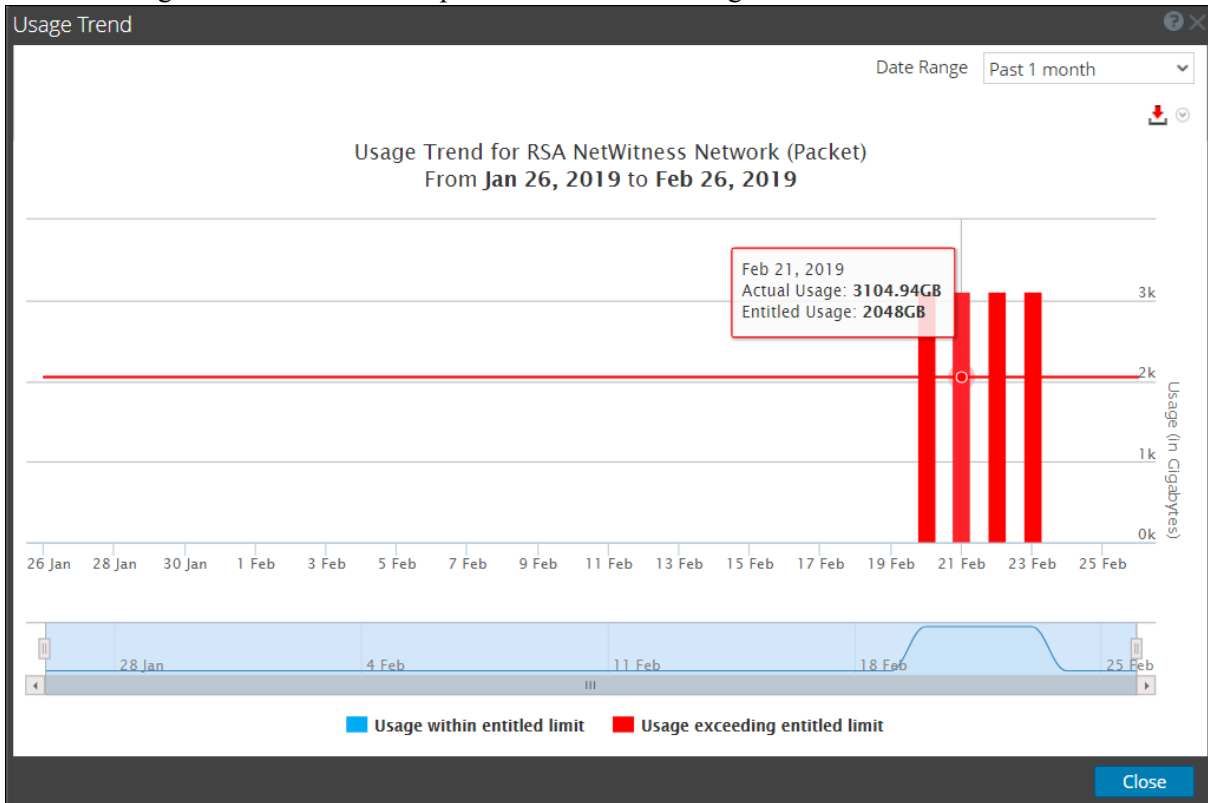


The screenshot shows the NetWitness interface with the 'SYSTEM' tab selected. The 'Licensing' section is active, displaying several tables:

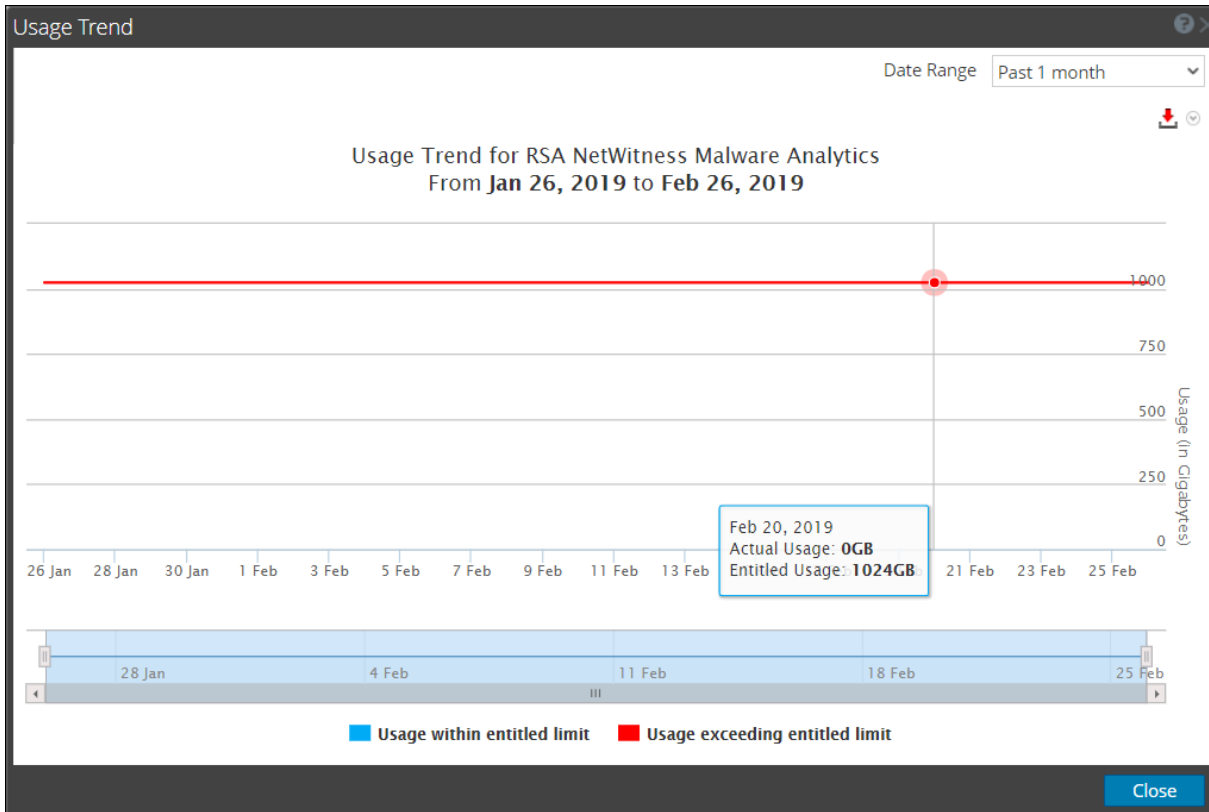
- Throughput Entitlements Usage:** A table with columns: License Groups, Status, Entitled Usage, Exceeded Usage, Usage Trend, and Actions. It lists items like 'RSA NetWitness Network Packets', 'Packets Analyzed', 'Packets On Disk', 'RSA NetWitness Logs', 'RSA NetWitness Malware Analysis', 'Files Analyzed', 'RSA NetWitness User Behaviour Analysis', 'Users Analyzed', and 'RSA NetWitness Endpoint Analysis'.
- Throughput Licenses:** A table with columns: Licenses and Associated Services, Status, Entitled Usage, Expiry Date, Maintenance Date, and Actions. It lists 'RSA NetWitness Network (Packet)', 'RSA NetWitness Logs', 'RSA NetWitness Network (Meta Only)', and 'RSA NetWitness Malware Analytics'.
- Appliance Licenses:** A table with columns: Licenses and Associated Services, Status, Available/Total, Usage Trend, Expiry Date, Maintenance Date, and Actions. It lists various services like 'RSA NetWitness Network (Packet)', 'RSA NetWitness Malware Analytics', 'RSA NetWitness Logs', 'Broker', 'RSA NetWitness Malware Analytics', 'ESA Correlation', and 'Concentrator'.
- UEBA Licenses:** A table with columns: Licenses and Associated Services, Status, Entitled Usage, Expiry Date, and Maintenance Date. It lists 'RSA NetWitness UEBA'.
- Endpoint Licenses:** A table with columns: Licenses and Associated Services, Status, Entitled Usage, Expiry Date, and Maintenance Date. It lists 'RSA NetWitness Endpoint Server'.

2. Select a service or license and click the  icon under the Usage Trend column. The Usage Trend window is displayed.

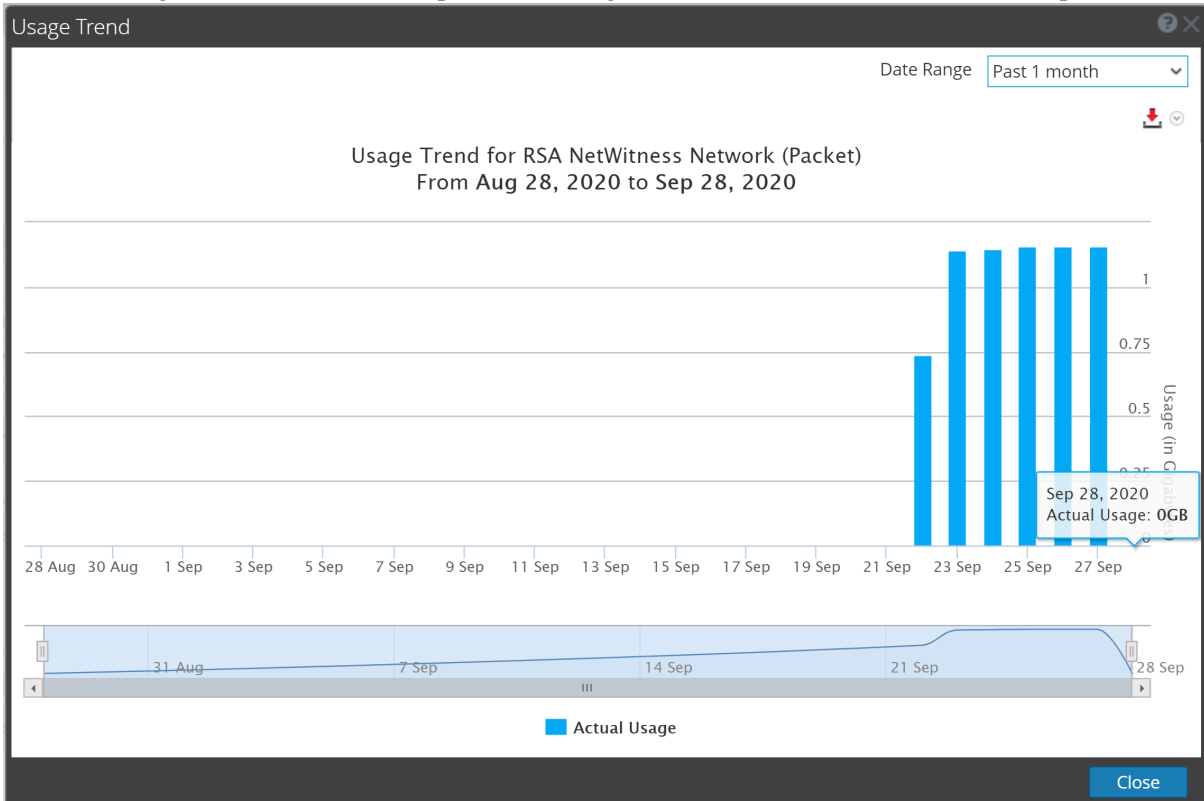
The following screenshot is an example of the Exceeded Usage Trend.



The following screenshot is an example of Within Limits Exceeded Usage Trend.



The following screenshot is an example of the Usage Trend chart for a license with multiple services.



The threshold limit is indicated as a horizontal red-dotted line across the chart. When actual data usage exceeds the entitled daily usage, those days are indicated by red colored bars. The chart can be generated to collect data for 1 month, 3 months, 6 months, 12 months or custom date range.

Date Range: Custom From: YYYY-MM-DD To: YYYY-MM-DD Query

These charts can be exported in CSV, and PDF formats by clicking the icon.

Note: The maximum range for which trend can be viewed is 12 months. The pan-zoom bar at the bottom of the chart can be used to narrow the chart to a smaller time range for better visibility in that range.

If the entitled limit exceeds the usage limit then an appropriate out-of-compliance banner is displayed. For more information, see [About Out-of-Compliance Banners](#).

Reassign Service Licenses

You can move service between licenses only if a similar service license is available.

You can move the services between the following licenses.

- Throughput License to Throughput License
- Throughput License to Appliance License
- Appliance License to Throughput License
- Appliance License to Appliance License

Note: If you want to change the licenses by moving between throughput and appliance, you can do this by selecting the license under the actions of each license. Trail licenses cannot be moved.

You can move the licenses for following reasons:

1. If the subscription based license has expired
2. If there are any unused available license for any service
3. If you want to reduce the usage of the service

To access this view:

1. Go  (**Admin**) > **System** and select **Licensing**.

The License Details tab is displayed.

The screenshot displays the RSA NetWitness System console interface. The top navigation bar includes 'NETWITNESS' and various menu items like 'Investigate', 'Respond', 'Users', 'Hosts', 'Files', 'Dashboard', and 'Reports'. The main content area is titled 'Licensing' and has tabs for 'License Details' and 'Settings'. A 'Refresh Licenses' button is located in the top right corner. The page is organized into several sections:

- Throughput Entitlements Usage:** A table with columns: License Groups, Status, Entitled Usage, Exceeded Usage, Usage Trend, and Actions. It lists services such as 'RSA NetWitness Network Packets' (Compliant, 2 TB), 'Packets Analyzed' (Compliant, 2 TB), 'Packets On Disk' (Non-Compliant, 1 TB), 'RSA NetWitness Logs' (Compliant - at License Limit, 51 GB), 'Logs Analyzed' (Compliant - at License Limit, 51 GB), 'RSA NetWitness Malware Analysis' (Compliant, 2 TB), 'Files Analyzed' (Compliant, 2 TB), 'RSA NetWitness User Behaviour Analysis' (Compliant, 2 Users), 'Users Analyzed' (Compliant, 2 Users), 'RSA NetWitness Endpoint Analysis' (Compliant, 2 Agents), and 'Hosts Analyzed' (Compliant, 2 Agents).
- Throughput Licenses:** A table with columns: Licenses and Associated Services, Status, Entitled Usage, Expiry Date, Maintenance Date, and Actions. It lists licenses for 'RSA NetWitness Network (Packet)' (2 TB), 'RSA NetWitness Logs' (51 GB), 'RSA NetWitness Network (Meta Only)' (2 TB), and 'RSA NetWitness Malware Analytics' (2 TB).
- Appliance Licenses:** A table with columns: Licenses and Associated Services, Status, Available/Total, Usage Trend, Expiry Date, Maintenance Date, and Actions. It lists licenses for 'RSA NetWitness Network (Packet)' (Licensed, 1/2), 'RSA NetWitness Malware Analytics' (Licensed, 0/1), 'RSA NetWitness Logs' (Licensed, 0/1), 'RSA NetWitness Logs' (Licensed, 1/1), 'Broker' (Licensed, 0/1), 'RSA NetWitness Malware Analytics' (Licensed, 1/1), 'ESA Correlation' (Licensed, 1/1), and 'Concentrator' (Licensed, 0/1).
- UEBA Licenses:** A table with columns: Licenses and Associated Services, Status, Entitled Usage, Expiry Date, and Maintenance Date. It lists a license for 'RSA NetWitness UEBA' (2 Users).
- Endpoint Licenses:** A table with columns: Licenses and Associated Services, Status, Entitled Usage, Expiry Date, and Maintenance Date. It lists a license for 'RSA NetWitness Endpoint Server' (2 Agents).

2. Select a service of which you want to move the license.

3. Click , and select the **Reassign to Another License** option.

The Reassign To Another License dialog is displayed with a list of the available licenses that can be moved.

Reassign To Another License

Select a license from the below table to apply to the selected service

Licenses	License Type	Entitled Usage	Available/Total	Expiry Date	Maintenance Date
<input type="checkbox"/> RSA NetWitness Logs	Throughput	-	-	2018-11-07	2018-10-25

Cancel Apply

4. Select a license to be applied for the selected service.
5. Click **Apply**.

Note: The above procedure can be used to move both Throughput Licenses and Appliance Licenses. However, the UEBA and Endpoint licenses cannot be moved.

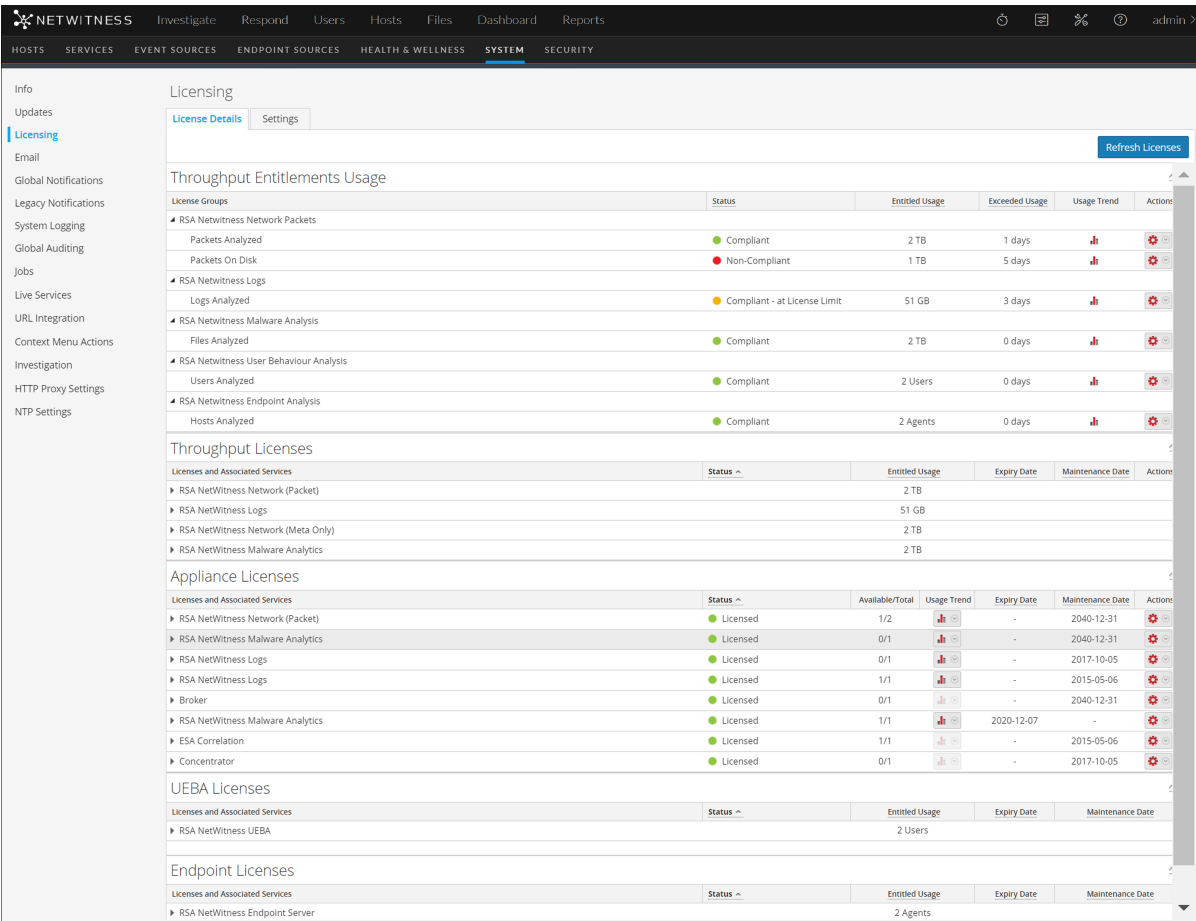
View and Export Usage Stats

NetWitness provides the ability for Administrators to view usage statistics of device types that are eligible for a Throughput , Appliance Licenses such as Log Decoder, Decoder, Malware, UEBA, and Endpoint Server licenses. An hourly usage statistics is captured for all supported services connected to the NetWitness Server and are made available in CSV, and PDF formats. Metrics can be tracked securely, allowing Administrators to save data locally on their systems to use in reporting usage compliance.

To access Export Usage Stats:

1. Go  (Admin) > System and select **Licensing**.

The License Details tab is displayed.



The screenshot shows the NetWitness interface with the 'SYSTEM' tab selected. The 'Licensing' section is active, displaying the 'License Details' tab. The interface includes a sidebar with navigation options like 'Info', 'Updates', 'Licensing', 'Email', 'Global Notifications', etc. The main content area is divided into several sections:

- Throughput Entitlements Usage:** A table showing usage for various services.

License Groups	Status	Entitled Usage	Exceeded Usage	Usage Trend	Actions
<ul style="list-style-type: none"> RSA NetWitness Network Packets <ul style="list-style-type: none"> Packets Analyzed: Compliant, 2 TB Packets On Disk: Non-Compliant, 1 TB RSA NetWitness Logs <ul style="list-style-type: none"> Logs Analyzed: Compliant - at License Limit, 51 GB RSA NetWitness Malware Analysis <ul style="list-style-type: none"> Files Analyzed: Compliant, 2 TB RSA NetWitness User Behaviour Analysis <ul style="list-style-type: none"> Users Analyzed: Compliant, 2 Users RSA NetWitness Endpoint Analysis <ul style="list-style-type: none"> Hosts Analyzed: Compliant, 2 Agents 					
- Throughput Licenses:** A table listing licenses and their associated services.


Licenses and Associated Services	Status	Entitled Usage	Expiry Date	Maintenance Date	Actions
RSA NetWitness Network (Packet)		2 TB			
RSA NetWitness Logs		51 GB			
RSA NetWitness Network (Meta Only)		2 TB			
RSA NetWitness Malware Analytics		2 TB			
- Appliance Licenses:** A table listing appliance licenses.

Licenses and Associated Services	Status	Available/Total	Usage Trend	Expiry Date	Maintenance Date	Actions
RSA NetWitness Network (Packet)	Licensed	1/2		-	2040-12-31	
RSA NetWitness Malware Analytics	Licensed	0/1		-	2040-12-31	
RSA NetWitness Logs	Licensed	0/1		-	2017-10-05	
RSA NetWitness Logs	Licensed	1/1		-	2015-05-06	
Broker	Licensed	0/1		-	2040-12-31	
RSA NetWitness Malware Analytics	Licensed	1/1		2020-12-07	-	
ESA Correlation	Licensed	1/1		-	2015-05-06	
Concentrator	Licensed	0/1		-	2017-10-05	
- UEBA Licenses:** A table listing UEBA licenses.

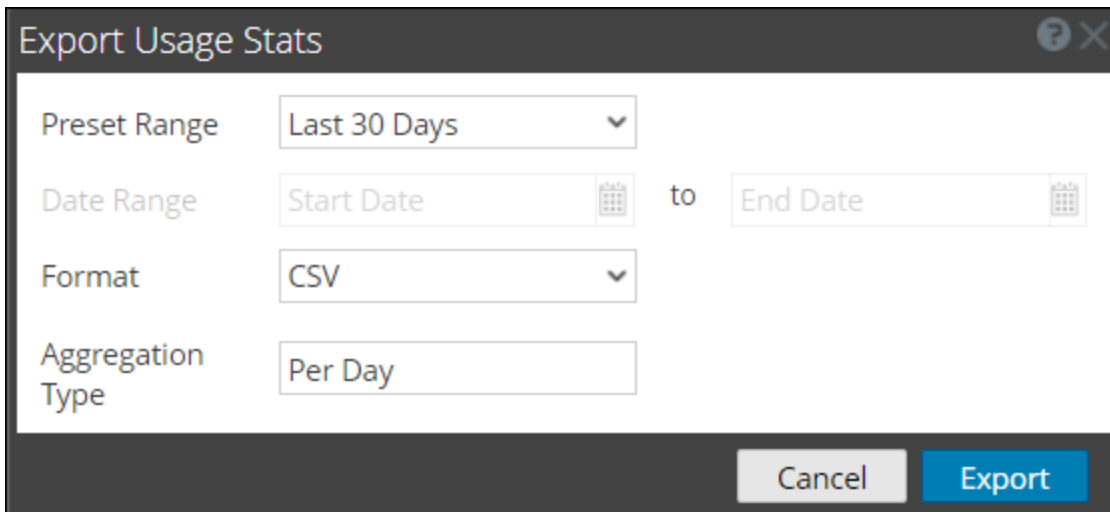
Licenses and Associated Services	Status	Entitled Usage	Expiry Date	Maintenance Date
RSA NetWitness UEBA		2 Users		
- Endpoint Licenses:** A table listing endpoint licenses.

Licenses and Associated Services	Status	Entitled Usage	Expiry Date	Maintenance Date
RSA NetWitness Endpoint Server		2 Agents		

2. Select a service for which you want to export usage stats.

3. Click , and select the **Export Usage Stats** option.

The **Export Usage Stats** dialog is displayed.



The image shows a dialog box titled "Export Usage Stats" with a question mark icon and a close button in the top right corner. The dialog contains four rows of controls:

- Preset Range:** A dropdown menu with "Last 30 Days" selected.
- Date Range:** Two date input fields labeled "Start Date" and "End Date", each with a calendar icon, separated by the word "to".
- Format:** A dropdown menu with "CSV" selected.
- Aggregation Type:** A text input field containing "Per Day".

At the bottom right of the dialog are two buttons: a grey "Cancel" button and a blue "Export" button.

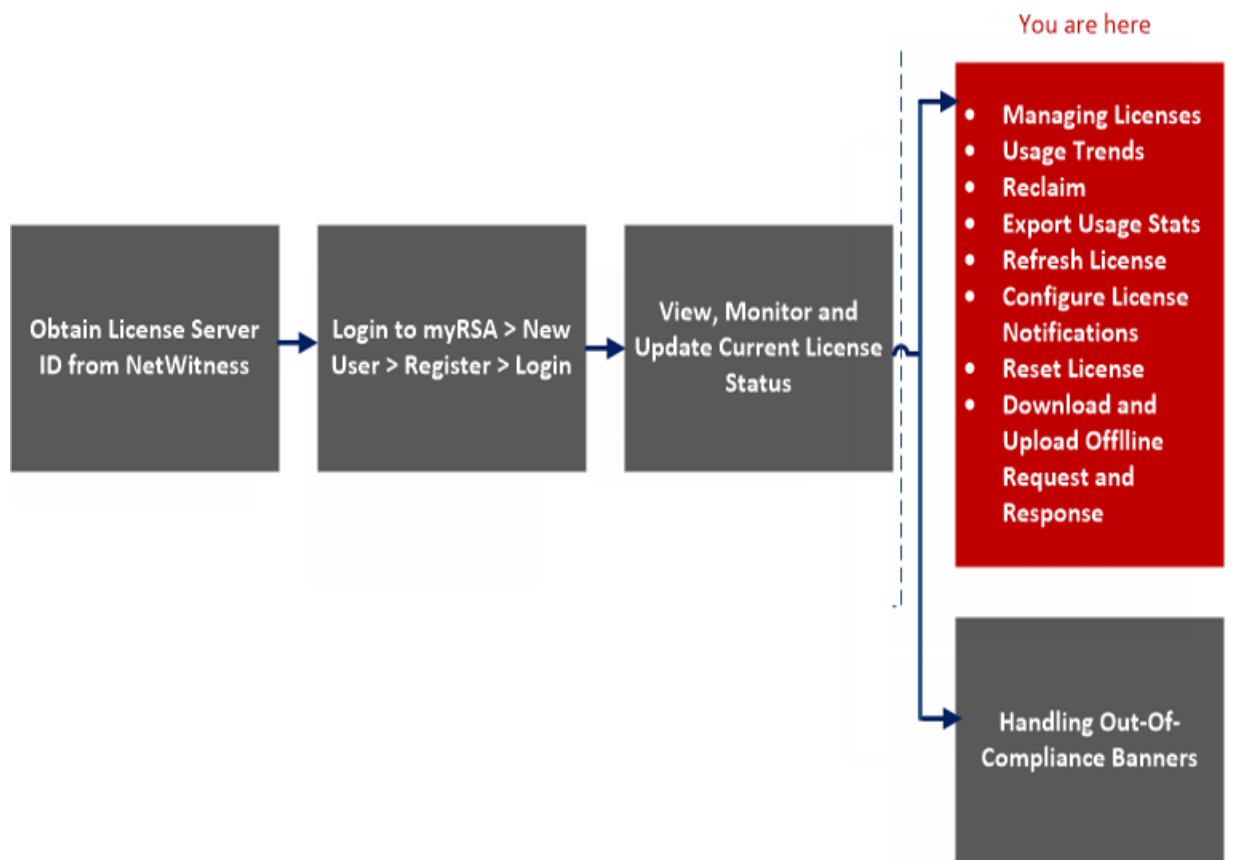
4. Select a **Preset Range**, **Date Range** (in case of custom range), **Format** and **Aggregation Type** to generate the report.
5. Click **Export** to export the report or click **Cancel** to return to the **License Details** tab.

Settings

This topic describes the notification settings for the NetWitness in the **Licensing panel > Settings** tab.

Workflow

This workflow illustrates the end-to-end licensing process.



What do you want to do?

Role	I want to...	Show me how...
Administrator	Register NetWitness Server	Obtain License Server ID from NetWitness Platform User Interface
Administrator	Synchronize NetWitness Server	Register the Server (Online Registration)
Administrator	Install product licenses from DLC.	Access myRSA
Administrator	Monitor and update current licenses.	View Current Licenses
Administrator	*Configure licensing notifications.	Configure License Notifications

Role	I want to...	Show me how...
Administrator	View Out-of-Compliance banners	About Out-of-Compliance Banners

*You can perform this task here.

Related Topics

[Obtain License Server ID from NetWitness Platform User Interface](#)

[Configure License Notifications](#)

Quick Look

From the **Settings** tab you can:

- Configure licensing notifications.
- Download an Offline Capability Request in NetWitness for submission to DLC.
- Within 72 hours, upload to NetWitness an Offline Response that was received from DLC.

The following table describes the **Settings** tab features.

- 1 Displays the **License Reset** panel which applies the default license settings.
- 2 Displays the **Licensing Notifications** panel.
- 3 Displays the **Notification Type**. There are three types of notifications:
 - **Email:** Checkbox to receive a notification of approaching license expiration in an email message. The email is sent to the configured email or distribution list.
 - **Syslog:** Checkbox to receive a notification of approaching license expiration in a syslog message. The syslog is generated in accordance with the settings in the Syslog Auditing Settings.
 - **SNMP Trap:** Checkbox to receive a notification of approaching license expiration in an SNMP trap. The trap is generated in accordance with the settings in the SNMP Auditing

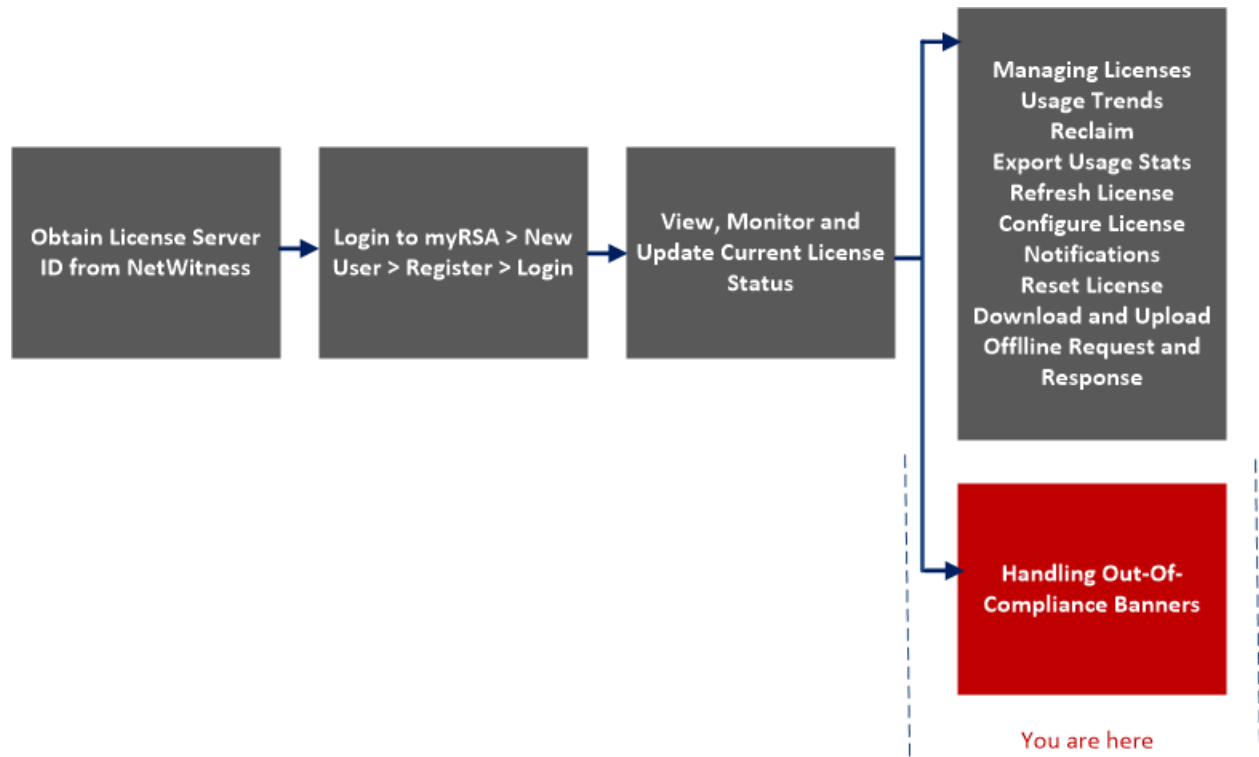
- Settings.
- 4 Displays the type of **Alert Notification**.
 - **Login:** Select this checkbox to receive a notification of your approaching license expiration when you log on to NetWitness. The **Login Window Threshold** field specifies the number of days before the license expires to display the notification at log on.
 - **Notification Tray:** Select this checkbox to receive a notification of approaching license expiration in the Notifications tray.
 - 5 Displays the **Threshold** field, which specifies the number of days before the license expires to send a notification to the Notifications tray.
 - 6 Displays the **Manage Local License Server Offline** panel.
 - 7 Displays the **Download Offline Request** button. This button enables you to download a request from the NetWitness Platform LLS into a local file for processing by a back-office server. The downloaded bin file should be uploaded to DLC to generate the offline response.
 - 8 Displays the **Upload Offline Request** button. This button enables you to browse for an offline response that you received from the back-office server, and uploads the selected response to NetWitness. The file must be uploaded within 72 hours after receiving the file.

Out-of-Compliance Reference

This topic describes the workflow when your license is out of compliance.

Workflow

This workflow illustrates the end-to-end licensing process.



What do you want to do?


Role	I want to...	Show me how...
Administrator	Register NetWitness Server	Obtain License Server ID from NetWitness Platform User Interface
Administrator	Synchronize NetWitness Server	Register the Server (Online Registration)
Administrator	Install product licenses from DLC.	Access myRSA
Administrator	Monitor and update current licenses.	View Current Licenses
Administrator	Configure licensing notifications.	Configure License Notifications
Administrator	*View Out-of-Compliance banners.	About Out-of-Compliance Banners

*You can perform this task here.


Note: When throughput devices are under trial period, warning messages will not be displayed unless usage is observed on the corresponding device.

Out-of-Compliance State

The following sample banner is displayed when a license expires:

 One or more licenses have expired. Please see [License Details](#) for additional details.

If your license has internal errors, the following banner is displayed:

 Your trial license has internal errors. Please contact RSA customer support for help.

In addition to a red banner being displayed during system log on, an Out of Compliance Acknowledgment dialog is also displayed. Click **Accept** to continue using your NetWitness product.

Licenses may become out-of-compliance due to reasons provided in the following table:

Red Banner Message	Possible Causes	Solutions
One or more services is not licensed.	<p>Trial license period has expired.</p> <p>There are pre-11.0.0.0 services in the deployment that are not licensed.</p>	<p>Contact Sales team to procure a NetWitness license.</p> <p>Upgrade the services to NetWitness version 11.0.0.0 or later.</p>
One or more licenses is expired.	Log ingestion usage has been observed after the date of renewal. The license is not valid anymore for the corresponding usage.	Contact Sales team to renew or resolve the license.
You have exceeded license usage limits.	If the allotted daily usage is exceeded on four or more occasions, the Grace Period begins. The Grace Period begins on the day of the fourth occurrence and ends at the end of the following calendar month. Seven continuous days of standard usage will end the Grace Period. If the daily allotted usage is still being exceeded at the end of the Grace Period, the 30-day Breach Period begins. Seven continuous days of standard usage will end the Breach Period.	Contact Sales to extend or increase your allotted usage by purchasing a NetWitness license.

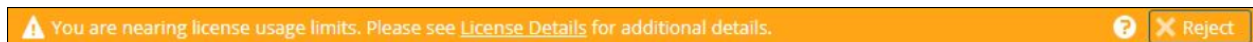
Red Banner Message	Possible Causes	Solutions
Your Trial license has internal errors.	An internal licensing issue was reported during your Out-of-the-Box Trial period.	Contact Technical Support to resolve this issue.

Note: If a license has not been installed within 90 days, you must contact Sales to purchase a NetWitness license.

License Approaching Out-of-Compliance

When your license is approaching expiration, or it is nearing its allotted usage, a yellow banner with a brief description is displayed. A yellow banner is displayed 14 days before your license is due to expire. You will also see a yellow banner if you are approaching your allotted license usage. You can get rid of the yellow banner by clicking the **Dismiss** button.

The following sample banner is displayed in the NetWitness screen if your license is approaching its allotted usage:



The following table explains the messages that are displayed when you see a yellow banner.

Yellow Banner Message	Possible Causes	Solutions
You are nearing license usage limits.	One or more Throughput licenses has exceeded your allotted usage for three times during the current calendar month. The fourth time that you exceed your allotted usage during the current month will push the deployment into an Out-of-Compliance state.	Contact RSA Sales if your allotted usage spikes four times within a calendar month.
One or more licenses is expiring.	One or more licenses is due to expire within 14 days. Or Log ingestion usage has been observed. The license is not valid anymore for the corresponding usage.	Contact RSA Sales to purchase a new license.