

NetWitness[®] Platform XDR

Version 11.7.1.1

Release Notes

Contact Information

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

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What's New

The NetWitness 11.7.1.1 release notes provides information about the changes in NetWitness Platform 11.7.

Fixed Issues

For more information on Fixed Issues, see [Fixed Issues](#).

Security Fixes

The Log4j vulnerability recently discovered in the commonly used open source logging library has been addressed. This applies to [CVE-2021-44228](#). For more information, see the [Security Advisory](#) for Log4j.

Note: This patch release of NetWitness addresses log4j vulnerabilities reported till date. The following CVEs were validated and found to be not exploitable.

- CVE-2021-44228
- CVE-2021-44832
- CVE-2021-4104
- CVE-2021-45105
- CVE-2021-45046

NetWitness will continuously monitor this issue for new developments and provide periodic updates.

Note: If you have the Export Connector plugin in your deployment, you must do the following:

- If you have Logstash installed separately, not as part of the NetWitness installation, you must uninstall the Export Connector plugin and install the updated Export Connector plugin after 11.7.1.1 patch upgrade. In this case, the old Export Connector plugin files are not automatically removed after upgrade. You must remove the old plugin files, so the scans do not list them as vulnerabilities. For more information on how to remove the old plugin files and install the updated plugins, see [Post-Upgrade Tasks](#).
- If you have Logstash installed as part of the NetWitness installation on the Log Collector service, the updated Export Connector plugin will be automatically installed during the 11.7.1.1 patch upgrade.

Upgrade Paths

The following upgrade paths are supported for NetWitness 11.7.1.1:

- NetWitness 11.5.3.2 to 11.7.1.1
- NetWitness 11.5.3.3 to 11.7.1.1
- NetWitness 11.6.0.0 to 11.7.1.1
- NetWitness 11.6.0.1 to 11.7.1.1
- NetWitness 11.6.1.0 to 11.7.1.1

- NetWitness 11.6.1.1 to 11.7.1.1
- NetWitness 11.6.1.2 to 11.7.1.1
- NetWitness 11.6.1.3 to 11.7.1.1
- NetWitness 11.6.1.4 to 11.7.1.1
- NetWitness 11.7.0.0 to 11.7.1.1
- NetWitness 11.7.0.1 to 11.7.1.1
- NetWitness 11.7.0.2 to 11.7.1.1
- NetWitness 11.7.1.0 to 11.7.1.1








Enhancements


The following section lists the enhancements to specific capabilities. To locate the document referred to in this section, go to the [NetWitness Platform 11.x - All Documents](#). [Product Documentation](#) has links to the documentation for this release.

Reports

View Creator Information

The Created By column has been added to the Reports List page. This column enables you to view and analyze the ownership information of all the reports that exist in the system, which includes new, copied, and imported reports. When a report is exported, the owner details are retained. However, when a report is copied, the owner of the report changes to the user who created the copy. For more information, see the *Reporting User Guide*.

<input type="checkbox"/> Name ^	Group	Date Modified	Created By	# Schedules	Actions
<input type="checkbox"/> Analyst Report		2016-01-14 23:40	admin	1	
<input type="checkbox"/> DPO Report		2016-01-14 23:41	analyst	1	
<input type="checkbox"/> Report-All-Meta-Types		2015-12-01 13:34	admin	1	
<input type="checkbox"/> Report-All-Meta-Valid-Types		2015-12-01 10:00	analyst	1	
<input type="checkbox"/> Report-All-Rule-Actions		2015-12-01 13:34	admin	1	
<input type="checkbox"/> Report-Rule_1		2016-02-25 15:41	analyst	0	
<input type="checkbox"/> test		2015-12-01 10:02	admin	0	

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Log Collection

Administrators can now fetch the user information from the logs collected through MExchange Management channel.

To view the user information:

1. Navigate to **Server Manager > Diagnostics > Event Viewer > Applications and Services Logs > MExchange Management**.
2. In the **MExchange Management** view, select the log file.
3. Click the **Details** tab. Select the **XML View**.
4. Select **EventData**. The third row in the <EventData> section displays the required user information.

Note: Alternatively, you can select the **Friendly View** under the **Details** tab to view the user information in the **EventData** section.

Fixed Issues

This section lists issues fixed after the last major release. For additional information on fixed issues, see the Fixed Version column in the [RSA NetWitness® Platform Known Issues list](#) on RSA Link.

Core Services (Broker, Concentrator, Decoder, Archiver)

Fixes

Tracking Number	Description
SACE-17754	The capture.port meta key is not captured after reloading the parsers on the decoder.
ASOC-115687	The original extensions of the long filenames in pcaps are truncated and rendered based on the file content.
ASOC-118647	When the 10G Packet Decoder (configured with the DPDK interface) is stopped due to the crash or process kill, and the service is started back, it continues to restart until you reboot the host machine. This issue occurs when the huge page files in the decoder are not removed.

Log Collection Fixes

Tracking Number	Description
ASOC-119341	In the Alarms view (Admin > Health & Wellness > Alarms), an alarm is triggered and the message LogCollector Virtual System Resources Exhausted is displayed when the system resources (memory, disk space) exceed the maximum limit. The log collection is interrupted.
ASOC-120096	After upgrading to 11.7.1.0, WinRM log collection is interrupted due to the conflict in the internal artifact. As a result, logs are not collected from the WinRM server.

Administration Fixes

Tracking Number	Description
ASOC-118917	While configuring an email address in Admin > Security > Users > Add User view, if the characters limit exceeds more than six after full stop (.) character, the error message Invalid email address is displayed. As a result, the Active Directory users are not created.
ASOC-119651	Email output action fails after using the smtp.office365.com server in the Admin Legacy Email window (Admin > System > Email). As a result, emails are not sent to the user's Outlook account.

Investigate Fixes

Tracking Number	Description
ASOC-118494	Korean characters are not displayed in the filenames of the pcap files downloaded in Investigate > Events view.
ASOC-119779	When you try to load any service in the Investigate view, such as Broker, Concentrator, or Log Decoder, the error message Unexpected error loading the list of Brokers, Concentrators, and other services to investigate is displayed. As a result, none of the services are loaded.

Reporting Engine Fixes

Tracking Number	Description
ASOC-119652	Email output action fails after using the smtp.office365.com server in the Reporting Engine output actions window. As a result, emails are not sent to the user's Outlook account.

Upgrade Instructions

You need to read the information and follow these procedures for upgrading NetWitness version 11.7.1.1.

Upgrade Path	Downloads Required
From 11.5.3.2 to 11.7.1.1	<ul style="list-style-type: none">• 11.7.0.0 base pack• 11.7.1.0 service pack• 11.7.1.1 patch release
From 11.5.3.3 to 11.7.1.1	<ul style="list-style-type: none">• 11.7.0.0 base pack• 11.7.1.0 service pack• 11.7.1.1 patch release
From 11.6.0.0 to 11.7.1.1	<ul style="list-style-type: none">• 11.7.0.0 base pack• 11.7.1.0 service pack• 11.7.1.1 patch release
From 11.6.0.1 to 11.7.1.1	<ul style="list-style-type: none">• 11.7.0.0 base pack• 11.7.1.0 service pack• 11.7.1.1 patch release
From 11.6.1.0 to 11.7.1.1	<ul style="list-style-type: none">• 11.7.0.0 base pack• 11.7.1.0 service pack• 11.7.1.1 patch release
From 11.6.1.1 to 11.7.1.1	<ul style="list-style-type: none">• 11.7.0.0 base pack• 11.7.1.0 service pack• 11.7.1.1 patch release
From 11.6.1.2 to 11.7.1.1	<ul style="list-style-type: none">• 11.7.0.0 base pack• 11.7.1.0 service pack• 11.7.1.1 patch release
From 11.6.1.3 to 11.7.1.1	<ul style="list-style-type: none">• 11.7.0.0 base pack• 11.7.1.0 service pack• 11.7.1.1 patch release

Upgrade Path	Downloads Required
From 11.6.1.4 to 11.7.1.1	<ul style="list-style-type: none"> • 11.7.0.0 base pack • 11.7.1.0 service pack • 11.7.1.1 patch release
From 11.7.0.0 to 11.7.1.1	<ul style="list-style-type: none"> • 11.7.1.0 service pack • 11.7.1.1 patch release
From 11.7.0.1 to 11.7.1.1	<ul style="list-style-type: none"> • 11.7.1.0 service pack • 11.7.1.1 patch release
From 11.7.0.2 to 11.7.1.1	<ul style="list-style-type: none"> • 11.7.1.0 service pack • 11.7.1.1 patch release
From 11.7.1.0 to 11.7.1.1	<ul style="list-style-type: none"> • 11.7.1.1 patch release

You can upgrade 11.7.1.1 patch using one of the following options:

- If the NetWitness Server has internet connectivity to Live Services, the NetWitness Platform User Interface can be used to apply the patch.
- If the NetWitness Server does not have internet connectivity to Live Services, the Command Line Interface (CLI) or the NetWitness Platform User Interface can be used to apply the patch.

Note: If you are using S4s device that utilizes SD cards, SSH to NW Server and run the following command before starting the upgrade process. `manage-stig-controls --disable-control-groups 7 --host-id <node uuid>`.

For upgrading from 11.5.3.2, see the *RSA NetWitness Platform 11.7 Upgrade Guide*.

Running in Mixed Mode

Running in mixed mode occurs when some services are upgraded to the latest version and some services are on older versions. See "Running in Mixed Mode" in the *RSA NetWitness Platform Hosts and Services Getting Started Guide* for further information.

Note: If you are running Endpoint Log Hybrid in mixed mode, make sure Endpoint Broker is on the same version as one of the Endpoint Servers.

Upgrade Tasks

Important Notes - Read This First

Synchronize Time on Component Hosts with NW Server Host

Before upgrading your hosts, make sure that the time on each host is synchronized with the time on the NetWitness Server.

To synchronize the time, do one of the following:

- Configure the NTP Server. For more information, see "Configure NTP Servers" in the *System Configuration Guide*.
- Perform the following steps on each host:
 - a. SSH to a component host.
 - b. Run the following commands.

```
systemctl stop ntpd
ntpdate nw-node-zero
systemctl start ntpd
```

Mixed Mode Unsupported for ESA Hosts

Mixed mode is not supported for ESA hosts in NetWitness Platform version 11.5 and later. The NetWitness server, ESA primary host, and ESA secondary host must all be on the same NetWitness Platform version.

Respond Server Service Not Enabled Until NW Server and Primary ESA Host Upgraded to 11.7.1.1

After upgrading the primary NW Server (including the Respond Server service), the Respond Server service is not automatically re-enabled until after the Primary ESA host is also upgraded to 11.7.1.1. The Respond post-upgrade tasks only apply after the Respond Server service is upgraded and is in the enabled state.

Task 1: Upgrade External Repository

Note: Perform the below steps only if you are using an external repository for 11.7.1.1.

To upgrade the external repository which is an externally managed server, do the following:

1. Upgrade the external repository with the latest upgrade content for the RSA `netwitness-11.7.1.1.zip`.



The following is the structure after upgrading the external repository:

```
| -11.7.0.0
| ---OS
| ----reodata
| ---RSA
| ----reodata
| -11.7.0.1
| ---OS
| ----reodata
| ---RSA
| ----reodata
| -11.7.0.2
| ---OS
| ----reodata
| ---RSA
| ----reodata
| -11.7.1.0
| ---OS
| ----reodata
| ---RSA
| ----reodata
| -11.7.1.1
| ---OS
| ----reodata
| ---RSA
| ----reodata
| -cloud-extras
| ---RSA
| ----reodata
```

Task 2: Disable Decoder Services

Before upgrading to 11.7.1.1, you must disable Capture AutoStart on Network Decoder and Network Hybrid Services.

To disable Capture Autostart:

1. Go to  (Admin) > Services.
The Administration Services view is displayed.
2. Select a Network Decoder or Network Hybrid service and select  > **View** > **Config**.
The services config view for the selected Network Decoder or Network Hybrid is displayed.
3. In the **Decoder Configuration** panel, deselect the **Capture Autostart** and click **Apply**.

Task 3: Upgrade the Patch

You can choose one of the following upgrade methods based on your internet connectivity.

- [Option 1: Upgrade NetWitness Platform XDR](#)
- [Option 2: Upgrade NetWitness Platform XDR Offline](#)
- [Option 3: Upgrade NetWitness Platform XDR using CLI \(Offline\)](#)

Upgrade Options



Option 1: Upgrade NetWitness Platform XDR

You can use this method if the NetWitness Server host is connected to Live Services and can obtain the package.

Note: If the NetWitness Server does not have access to Live Services, use [Option 3: Upgrade NetWitness Platform XDR using CLI \(Offline\)](#) or use [Option 2: Upgrade NetWitness Platform XDR Offline](#)

Prerequisites



Make sure that:

1. The **Automatically download information about new upgrades every day** option is selected and is applied in  (Admin) > System > Updates.
2. Go to  (Admin) > Hosts > Update > Check for Updates to check for upgrades. The Host page displays the **Update Available** status.
3. 11.7.1.1 is available under **Update Version** column.

Note: If you have custom certificates, move any custom certificates from `/etc/pki/nw/trust/import/` directory to `/root/cert`. Follow these steps to move the certificates:

- 1.) `mkdir /root/cert.`
- 2.) `mv /etc/pki/nw/trust/import/* /root/cert.`

Procedure

1. Go to  (Admin) > Hosts.
2. Select the NetWitness Server (nw-server) host.
3. Check for the latest updates.
4. **Update Available** is displayed in the **Status** column if you have a version upgrade in your Local Update Repository for the selected host.
5. Select **11.7.1.1** from the **Update Version** column. If you:
 - Want to view a dialog with the major features in the upgrade and information on the updates, click the information icon () to the right of the upgrade version number.
 - Cannot find the version you want, select **Update > Check for Updates** to check the repository for any available updates. If an update is available, the message "New updates are available" is displayed and the **Status** column upgrades automatically to show **Update Available**. By default, only supported upgrades for the selected host are displayed.
6. Click **Update > Update Host** from the toolbar.
7. Click **Begin Update**.
8. Click the **Reboot Host** when prompted.
9. Repeat steps 6 to 8 for other hosts.

Note: You can select multiple hosts to upgrade at the same time only after updating and rebooting the NetWitness Server host. All ESA, Endpoint, and Malware Analysis hosts should be upgraded to the same version as that of NW Admin Server or NetWitness Server host.

Note: Not all components have been changed for 11.7.1.1, so after you perform the upgrade steps, it is normal to see some components with different version numbers. For a list of the components that were upgraded for this release, see [Build Numbers](#).

Option 2: Upgrade NetWitness Platform XDR Offline

The following rules apply when you apply version upgrades:

- You must upgrade the NW Server host first.
- You can only apply a version that is compatible with the existing host version.

Download the 11.7.1.1 Patch

Download the RSA NetWitness Platform 11.7.1.1 Upgrade Pack file, which contain all the RSA NetWitness Platform 11.7.1.1 upgrade files, from the RSA Link <https://community.netwitness.com/t5/netwitness-platform-downloads/tkb-p/netwitness-downloads> to a local directory.
netwitness-11.7.1.1.zip

Upgrading from	Download and Stage file
11.5.3.2	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.5.3.3	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.0.0	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.0.1	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.1.0	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.1.1	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.1.2	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.1.3	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.1.4	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.7.0.0	netwitness-11.7.1.0.zip and netwitness-11.7.1.1.zip
11.7.0.1	netwitness-11.7.1.0.zip and netwitness-11.7.1.1.zip
11.7.0.2	netwitness-11.7.1.0.zip and netwitness-11.7.1.1.zip
11.7.1.0	netwitness-11.7.1.1.zip

Note: If you get the **Download Error**, see the [Troubleshooting](#) information for resolution.

Task 1. Populate Staging Folder (`/var/lib/netwitness/common/update-stage/`) with Version Updates

- If you are upgrading from 11.5.3.2 to 11.7.1.1, download the `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.5.3.3 to 11.7.1.1, download the `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.6.0.0 to 11.7.1.1, download the `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.6.0.1 to 11.7.1.1, download the `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.6.1.0 to 11.7.1.1, download the `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.6.1.1 to 11.7.1.1, download the `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.6.1.2 to 11.7.1.1, download the `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.6.1.3 to 11.7.1.1, download the `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.6.1.4 to 11.7.1.1, download the `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.7.0.0 to 11.7.1.1, download the `netwitness-11.7.1.0.zip` and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.7.0.1 to 11.7.1.1, download the `netwitness-11.7.1.0.zip` and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.7.0.2 to 11.7.1.1, download the `netwitness-11.7.1.0.zip` and `netwitness-11.7.1.1.zip`, upgrade package from RSA Link to a local directory.
- If you are upgrading from 11.7.1.0 to 11.7.1.1, download the `netwitness-11.7.1.1.zip` upgrade package from RSA Link to a local directory.

1. SSH to the NW Server host.
2. If you are upgrading from 11.5.3.2 to 11.7.1.1, copy `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip` from the local directory to the `/var/lib/netwitness/common/update-stage/` staging folder. For example:

```
sudo cp /tmp/netwitness-11.7.0.0.zip /var/lib/netwitness/common/update-stage/
```

```
sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-stage/
```

```
sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-stage/
```

NetWitness unzips the file automatically.
3. If you are upgrading from 11.5.3.3 to 11.7.1.1, copy `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip` from the local directory to the `/var/lib/netwitness/common/update-stage/` staging folder. For example:

```
sudo cp /tmp/netwitness-11.7.0.0.zip /var/lib/netwitness/common/update-stage/
```

```
sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-stage/
```

```
sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-stage/
```

NetWitness unzips the file automatically.
4. If you are upgrading from 11.6.0.0 to 11.7.1.1, copy `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip` from the local directory to the `/var/lib/netwitness/common/update-stage/` staging folder. For example:

```
sudo cp /tmp/netwitness-11.7.0.0.zip /var/lib/netwitness/common/update-stage/
```

```
sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-stage/
```

```
sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-stage/
```

NetWitness unzips the file automatically.
5. If you are upgrading from 11.6.0.1 to 11.7.1.1, copy `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip` from the local directory to the `/var/lib/netwitness/common/update-stage/` staging folder. For example:

```
sudo cp /tmp/netwitness-11.7.0.0.zip /var/lib/netwitness/common/update-stage/
```

```
sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-stage/
```

```
sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-stage/
```

NetWitness unzips the file automatically.
6. If you are upgrading from 11.6.1.0 to 11.7.1.1, copy `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip` from the local directory to the `/var/lib/netwitness/common/update-stage/` staging folder. For example:

```

sudo cp /tmp/netwitness-11.7.0.0.zip /var/lib/netwitness/common/update-
stage/
sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-
stage/

sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-
stage/

```

NetWitness unzips the file automatically.

7. **If you are upgrading from 11.6.1.1 to 11.7.1.1, copy netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip from the local directory to the /var/lib/netwitness/common/update-stage/ staging folder. For example:**

```

sudo cp /tmp/netwitness-11.7.0.0.zip /var/lib/netwitness/common/update-
stage/

sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-
stage/

sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-
stage/

```

8. **If you are upgrading from 11.6.1.2 to 11.7.1.1, copy netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip from the local directory to the /var/lib/netwitness/common/update-stage/ staging folder. For example:**

```

sudo cp /tmp/netwitness-11.7.0.0.zip /var/lib/netwitness/common/update-
stage/

sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-
stage/

sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-
stage/

```

9. **If you are upgrading from 11.6.1.3 to 11.7.1.1, copy netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip from the local directory to the /var/lib/netwitness/common/update-stage/ staging folder. For example:**

```

sudo cp /tmp/netwitness-11.7.0.0.zip /var/lib/netwitness/common/update-
stage/

sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-
stage/

sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-
stage/

```

10. **If you are upgrading from 11.7.0.0 to 11.7.1.1, copy netwitness-11.7.1.0.zip and netwitness-11.7.1.1.zip from the local directory to the /var/lib/netwitness/common/update-stage/ staging folder. For example:**

```

sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-
stage/

sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-
stage/

```

11. **If you are upgrading from 11.7.1.0 to 11.7.1.1, copy netwitness-11.7.1.1.zip from the local directory to the /var/lib/netwitness/common/update-stage/ staging folder. For example:**

```

sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-
stage/

```

12. If you are upgrading from 11.7.0.1 to 11.7.1.1, copy `netwitness-11.7.1.0.zip` and `netwitness-11.7.1.1.zip` from the local directory to the `/var/lib/netwitness/common/update-stage/` staging folder. For example:


```
sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-stage/  
sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-stage/
```
13. If you are upgrading from 11.7.0.2 to 11.7.1.1, copy `netwitness-11.7.1.0.zip` and `netwitness-11.7.1.1.zip` from the local directory to the `/var/lib/netwitness/common/update-stage/` staging folder. For example:

```
sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-stage/  
sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-stage/
```
14. If you are upgrading from 11.6.1.4 to 11.7.1.1, copy `netwitness-11.7.0.0.zip`, `netwitness-11.7.1.0.zip`, and `netwitness-11.7.1.1.zip` from the local directory to the `/var/lib/netwitness/common/update-stage/` staging folder. For example:

```
sudo cp /tmp/netwitness-11.7.0.0.zip /var/lib/netwitness/common/update-stage/  
sudo cp /tmp/netwitness-11.7.1.0.zip /var/lib/netwitness/common/update-stage/  
sudo cp /tmp/netwitness-11.7.1.1.zip /var/lib/netwitness/common/update-stage/
```

Task 2. Apply Updates from the Staging Area to Each Host

Caution: You must upgrade the NW Server host before upgrading any Non-NW Server host.

1. Log in to NetWitness.
2. Go to  (Admin) > Hosts.
Check for updates and wait for the update packages to be copied, validated, and ready to be initialized.
3. "Ready to initialize packages" is displayed if:
 - NetWitness Platform can access the update package.
 - The package is complete and has no errors.Refer to [Troubleshooting Version Installations and upgrades](#) for instructions on how to troubleshoot errors (for example, "Error deploying version <version-number>" and "Missing the following update package(s)," are displayed in the **Initiate Update Package for RSA NetWitness Platform** dialog.)
4. Click **Initialize Update**.

It takes some time to initialize the packages because the files are large and need to be unzipped. After the initialization is successful, the **Status** column displays **Update Available** and you complete the rest of the steps in this procedure to finish the update of the host.

5. Click **Update** > **Update Hosts** from the toolbar.
6. Click **Begin Update** from the **Update Available** dialog.
After the host is upgraded, it prompts you to reboot the host.
7. Click **Reboot** from the toolbar.

Option 3: Upgrade NetWitness Platform XDR using CLI (Offline)

You can use this method if the NetWitness Server host is not connected to Live Services.

Note: Alternatively, you can upgrade using the [Option 2: Upgrade NetWitness Platform XDR Offline](#)

Download the 11.7.1.1 Patch

Download the RSA NetWitness 11.7.1.1 Upgrade Pack file, which contain all the NetWitness 11.7.1.1 upgrade files, from the RSA Link <https://community.netwitness.com/t5/netwitness-platform-downloads/tkb-p/netwitness-downloads> to a local directory.
netwitness-11.7.1.1.zip

Upgrading from	Download and Stage file
11.5.3.2	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.5.3.3	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.0.0	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.0.1	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.1.0	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.1.1	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.1.2	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.6.1.3	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip

Upgrading from	Download and Stage file
11.6.1.4	netwitness-11.7.0.0.zip, netwitness-11.7.1.0.zip, and netwitness-11.7.1.1.zip
11.7.0.0	netwitness-11.7.1.0.zip and netwitness-11.7.1.1.zip
11.7.0.1	netwitness-11.7.1.0.zip and netwitness-11.7.1.1.zip
11.7.0.2	netwitness-11.7.1.0.zip and netwitness-11.7.1.1.zip
11.7.1.0	netwitness-11.7.1.1.zip

Note: If you are using external repository, you can upgrade the external repository with the latest upgrade content. For more information see, [Task 1: Upgrade External Repository](#).

Procedure

You need to perform the upgrade steps for NetWitness Server host and for component hosts.

Note: Ensure that you have enough space in the NetWitness Server root and tmp directory before you unzip the package files.

Note: If you copy paste the commands from PDF to Linux SSH terminal, the characters do not work. It is recommended to type the commands.

Note: If you copied the .zip file to the created staging directory to unzip, make sure that you delete the initial .zip file that you copied to the staging location after you extract it.

- If you are upgrading from 11.5.3.2 to 11.7.1.1**, you only need to stage 11.7.0.0, 11.7.1.0, and 11.7.1.1. Log into the /root to the directory of the NetWitness Server and create the following directory:

```

/tmp/upgrade/11.7.0.0
/tmp/upgrade/11.7.1.0
/tmp/upgrade/11.7.1.1

```

and then copy the package zip files to the /root directory of the NetWitness Server and extract the package files from /root to the /tmp/upgrade/11.7.1.1 directory:

```

unzip netwitness-11.7.0.0.zip -d /tmp/upgrade/11.7.0.0
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1

```
- If you are upgrading from 11.5.3.3 to 11.7.1.1**, you only need to stage 11.7.0.0, 11.7.1.0, and 11.7.1.1. Log into the /root to the directory of the NetWitness Server and create the following directory:

```

/tmp/upgrade/11.7.0.0
/tmp/upgrade/11.7.1.0

```

```
/tmp/upgrade/11.7.1.1
```

and then copy the package zip files to the `/root` directory of the NetWitness Server and extract the package files from `/root` to the `/tmp/upgrade/11.7.1.1` directory:

```
unzip netwitness-11.7.0.0.zip -d /tmp/upgrade/11.7.0.0
```

```
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
```

```
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```

- **If you are upgrading from 11.6.0.0 to 11.7.1.1**, You only need to stage 11.7.0.0, 11.7.1.0, and 11.7.1.1. There are two options to stage 11.7.1.1.

- **Option 1 (Manual)** : Log into the `/root` to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade/11.7.0.0
```

```
/tmp/upgrade/11.7.1.0
```

```
/tmp/upgrade/11.7.1.1
```

and then copy the package zip files to the `/root` directory of the NetWitness Server and extract the package files from `/root` to the `/tmp/upgrade/11.7.1.1` directory:

```
unzip netwitness-11.7.0.0.zip -d /tmp/upgrade/11.7.0.0
```

```
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
```

```
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```

- **Option 2 (Automated)** : Log into the `/root` to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade and /root/NW
```

and then copy the NetWitness 11.7.0.0, 11.7.1.0, and 11.7.1.1 package zip files to the `/root/NW` directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --
download-path <download file path> --version 11.7.1.1
```

Here, `<download file path>` is the location where you need to copy the **netwitness-11.7.0.0.zip**, **netwitness-11.7.1.0.zip**, and **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-`


```
cli-client --init --stage-dir /tmp/upgrade --download-path <download
file path> --version 11.7.1.1 again to stage 11.7.1.1.
```

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

- **If you are upgrading from 11.6.0.1 to 11.7.1.1**, You only need to stage 11.7.0.0, 11.7.1.0, and 11.7.1.1. There are two options to stage 11.7.1.1.
 - **Option 1 (Manual)** : Log into the `/root` to the directory of the NetWitness Server and create the following directory:


```
/tmp/upgrade/11.7.0.0
/tmp/upgrade/11.7.1.0
/tmp/upgrade/11.7.1.1
```

 and then copy the package zip files to the `/root` directory of the NetWitness Server and extract the package files from `/root` to the `/tmp/upgrade/11.7.1.1` directory:


```
unzip netwitness-11.7.0.0.zip -d /tmp/upgrade/11.7.0.0
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```
 - **Option 2 (Automated)** : Log into the `/root` to the directory of the NetWitness Server and create the following directory:


```
/tmp/upgrade and /root/NW
```

 and then copy the NetWitness 11.7.0.0, 11.7.1.0, and 11.7.1.1 package zip files to the `/root/NW` directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --
download-path <download file path> --version 11.7.1.1
```

 Here, `<download file path>` is the location where you need to copy the **netwitness-11.7.0.0.zip**, **netwitness-11.7.1.0.zip**, and **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

 Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-`

```
cli-client --init --stage-dir /tmp/upgrade --download-path <download
file path> --version 11.7.1.1 again to stage 11.7.1.1.
```

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

- **If you are upgrading from 11.6.1.0 to 11.7.1.1**, You only need to stage 11.7.0.0, 11.7.1.0, and 11.7.1.1. There are two options to stage 11.7.1.1.

- **Option 1 (Manual)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade/11.7.0.0
```

```
/tmp/upgrade/11.7.1.0
```

```
/tmp/upgrade/11.7.1.1
```

and then copy the package zip files to the /root directory of the NetWitness Server and extract the package files from /root to the /tmp/upgrade/11.7.1.1 directory:

```
unzip netwitness-11.7.0.0.zip -d /tmp/upgrade/11.7.0.0
```

```
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
```

```
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```

- **Option 2 (Automated)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade and /root/NW
```

and then copy the NetWitness 11.7.0.0, 11.7.1.0, and 11.7.1.1 package zip files to the /root/NW directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --
download-path <download file path> --version 11.7.1.1
```

Here, <download file path> is the location where you need to copy the **netwitness-11.7.0.0.zip**, **netwitness-11.7.1.0.zip**, and **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-`

```
cli-client --init --stage-dir /tmp/upgrade --download-path <download
file path> --version 11.7.1.1 again to stage 11.7.1.1.
```

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

- **If you are upgrading from 11.6.1.1 to 11.7.1.1**, You only need to stage 11.7.0.0, 11.7.1.0, and 11.7.1.1. There are two options to stage 11.7.1.1.
 - **Option 1 (Manual)** : Log into the /root to the directory of the NetWitness Server and create the following directory:


```
/tmp/upgrade/11.7.0.0
/tmp/upgrade/11.7.1.0
/tmp/upgrade/11.7.1.1
```

 and then copy the package zip files to the /root directory of the NetWitness Server and extract the package files from /root to the /tmp/upgrade/11.7.1.1 directory:


```
unzip netwitness-11.7.0.0.zip -d /tmp/upgrade/11.7.0.0
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```
 - **Option 2 (Automated)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade and /root/NW
```

and then copy the NetWitness 11.7.0.0, 11.7.1.0, and 11.7.1.1 package zip files to the /root/NW directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --
download-path <download file path> --version 11.7.1.1
```

Here, <download file path> is the location where you need to copy the **netwitness-11.7.0.0.zip**, **netwitness-11.7.1.0.zip**, and **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-`

```
cli-client --init --stage-dir /tmp/upgrade --download-path <download
file path> --version 11.7.1.1 again to stage 11.7.1.1.
```

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

- **If you are upgrading from 11.6.1.2 to 11.7.1.1**, You only need to stage 11.7.0.0, 11.7.1.0, and 11.7.1.1. There are two options to stage 11.7.1.1.

- **Option 1 (Manual)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade/11.7.0.0
```

```
/tmp/upgrade/11.7.1.0
```

```
/tmp/upgrade/11.7.1.1
```

and then copy the package zip files to the /root directory of the NetWitness Server and extract the package files from /root to the /tmp/upgrade/11.7.1.1 directory:

```
unzip netwitness-11.7.0.0.zip -d /tmp/upgrade/11.7.0.0
```

```
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
```

```
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```

- **Option 2 (Automated)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade and /root/NW
```

and then copy the NetWitness 11.7.0.0, 11.7.1.0, and 11.7.1.1 package zip files to the /root/NW directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --
download-path <download file path> --version 11.7.1.1
```

Here, <download file path> is the location where you need to copy the **netwitness-11.7.0.0.zip**, **netwitness-11.7.1.0.zip**, and **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-`

```
cli-client --init --stage-dir /tmp/upgrade --download-path <download
file path> --version 11.7.1.1 again to stage 11.7.1.1.
```

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

- **If you are upgrading from 11.6.1.3 to 11.7.1.1**, You only need to stage 11.7.0.0, 11.7.1.0, and 11.7.1.1. There are two options to stage 11.7.1.1.

- **Option 1 (Manual)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade/11.7.0.0
```

```
/tmp/upgrade/11.7.1.0
```

```
/tmp/upgrade/11.7.1.1
```

and then copy the package zip files to the /root directory of the NetWitness Server and extract the package files from /root to the /tmp/upgrade/11.7.1.1 directory:

```
unzip netwitness-11.7.0.0.zip -d /tmp/upgrade/11.7.0.0
```

```
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
```

```
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```

- **Option 2 (Automated)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade and /root/NW
```

and then copy the NetWitness 11.7.0.0, 11.7.1.0, and 11.7.1.1 package zip files to the /root/NW directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --
download-path <download file path> --version 11.7.1.1
```

Here, <download file path> is the location where you need to copy the **netwitness-11.7.0.0.zip**, **netwitness-11.7.1.0.zip**, and **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-`

```
cli-client --init --stage-dir /tmp/upgrade --download-path <download
file path> --version 11.7.1.1 again to stage 11.7.1.1.
```

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

- **If you are upgrading from 11.6.1.4 to 11.7.1.1**, You only need to stage 11.7.0.0, 11.7.1.0, and 11.7.1.1. There are two options to stage 11.7.1.1.

- **Option 1 (Manual)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade/11.7.0.0
```

```
/tmp/upgrade/11.7.1.0
```

```
/tmp/upgrade/11.7.1.1
```

and then copy the package zip files to the /root directory of the NetWitness Server and extract the package files from /root to the /tmp/upgrade/11.7.1.1 directory:

```
unzip netwitness-11.7.0.0.zip -d /tmp/upgrade/11.7.0.0
```

```
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
```

```
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```

- **Option 2 (Automated)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade and /root/NW
```

and then copy the NetWitness 11.7.0.0, 11.7.1.0, and 11.7.1.1 package zip files to the /root/NW directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --
download-path <download file path> --version 11.7.1.1
```

Here, <download file path> is the location where you need to copy the **netwitness-11.7.0.0.zip**, **netwitness-11.7.1.0.zip**, and **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-`

```
cli-client --init --stage-dir /tmp/upgrade --download-path <download
file path> --version 11.7.1.1 again to stage 11.7.1.1.
```

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

- **If you are upgrading from 11.7.0.0 to 11.7.1.1**, You only need to stage 11.7.1.0 and 11.7.1.1. There are two options to stage 11.7.1.1.
 - **Option 1 (Manual)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade/11.7.1.0
/tmp/upgrade/11.7.1.1
```

and then copy the package zip files to the /root directory of the NetWitness Server and extract the package files from /root to the /tmp/upgrade/11.7.1.1 directory:

```
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```
 - **Option 2 (Automated)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade and /root/NW
```

and then copy the NetWitness 11.7.1.0 and 11.7.1.1 package zip files to the /root/NW directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --
download-path <download file path> --version 11.7.1.1
```

Here, <download file path> is the location where you need to copy the **netwitness-11.7.1.0.zip** and **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-`

```
cli-client --init --stage-dir /tmp/upgrade --download-path
<download file path> --version 11.7.1.1 again to stage 11.7.1.1.
```

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

- **If you are upgrading from 11.7.0.1 to 11.7.1.1**, You only need to stage 11.7.1.0 and 11.7.1.1. There are two options to stage 11.7.1.1.

- **Option 1 (Manual)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade/11.7.1.0
```

```
/tmp/upgrade/11.7.1.1
```

and then copy the package zip files to the /root directory of the NetWitness Server and extract the package files from /root to the /tmp/upgrade/11.7.1.1 directory:

```
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
```

```
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```

- **Option 2 (Automated)** : Log into the /root to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade and /root/NW
```

and then copy the NetWitness 11.7.1.0 and 11.7.1.1 package zip files to the /root/NW directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --
download-path <download file path> --version 11.7.1.1
```

Here, <download file path> is the location where you need to copy the **netwitness-11.7.1.0.zip** and **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path <download file path> --version 11.7.1.1` again to stage 11.7.1.1.

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

- **If you are upgrading from 11.7.0.2 to 11.7.1.1**, You only need to stage 11.7.1.0 and 11.7.1.1. There are two options to stage 11.7.1.1.

- **Option 1 (Manual)** : Log into the `/root` to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade/11.7.1.0
```

```
/tmp/upgrade/11.7.1.1
```

and then copy the package zip files to the `/root` directory of the NetWitness Server and extract the package files from `/root` to the `/tmp/upgrade/11.7.1.1` directory:

```
unzip netwitness-11.7.1.0.zip -d /tmp/upgrade/11.7.1.0
```

```
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```

- **Option 2 (Automated)** : Log into the `/root` to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade and /root/NW
```

and then copy the NetWitness 11.7.1.0 and 11.7.1.1 package zip files to the `/root/NW` directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path <download file path> --version 11.7.1.1
```

Here, `<download file path>` is the location where you need to copy the **netwitness-11.7.1.0.zip** and **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path <download file path> --version 11.7.1.1` again to stage 11.7.1.1.

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

- **If you are upgrading from 11.7.1.0 to 11.7.1.1**, You only need to stage 11.7.1.1. There are two options to stage 11.7.1.1.

- **Option 1 (Manual)** : Log into the `/root` to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade/11.7.1.1
```

and then copy the package zip files to the `/root` directory of the NetWitness Server and extract the package files from `/root` to the `/tmp/upgrade/11.7.1.1` directory:

```
unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1
```

- **Option 2 (Automated)** : Log into the `/root` to the directory of the NetWitness Server and create the following directory:

```
/tmp/upgrade and /root/NW
```

and then copy the NetWitness 11.7.1.1 package zip file to the `/root/NW` directory of the NetWitness Server.

After this, run the below command to extract, validate, and initialize the 11.7.1.1 zip files:

```
[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path <download file path> --version 11.7.1.1
```

Here, `<download file path>` is the location where you need to copy the **netwitness-11.7.1.1.zip** if it is downloaded to the local directory earlier.

For Example: `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path /root/NW --version 11.7.1.1`

Once the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed** is displayed in the console of the admin server, only then the initialization process will begin.

Note: If you do not receive the message **(INFO) Download and extraction of all the necessary NetWitness zips are completed**, run the command `[root@SA ~]# upgrade-cli-client --init --stage-dir /tmp/upgrade --download-path <download file path> --version 11.7.1.1` again to stage 11.7.1.1.

Note: After staging 11.7.1.1 (using the Option 2), if the initialization fails, run the command `upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`. If the initialization succeeds, ignore the [first step](#) under **Upgrading the NetWitness Server and component hosts** and proceed with the further steps in it.

Upgrading the NetWitness Server and component hosts

1. Initialize the upgrade, using the following command:
`upgrade-cli-client --init --version 11.7.1.1 --stage-dir /tmp/upgrade`

IMPORTANT: Once *init* is performed, do not reboot the NW Admin server or restart jetty.

2. Upgrade NetWitness Server, using the following command:
`upgrade-cli-client --upgrade --host-addr <IP of NetWitness Server> --version 11.7.1.1`

3. When the component host upgrade is successful, reboot the host from NetWitness UI.

IMPORTANT: This is a mandatory step. Ensure that you reboot the host from the NetWitness UI.

4. Repeat steps 2 and 3 for each component host, changing the IP address to the component host which is being upgraded.

Note: You can check versions of all the hosts, using the command `upgrade-cli-client --list` on the NetWitness Server. If you want to view the help content of `upgrade-cli-client`, use the command `upgrade-cli-client --help`.

Note: If the following error displays during the upgrade process:
2017-11-02 20:13:26.580 ERROR 7994 - [127.0.0.1:5671]
o.s.a.r.c.CachingConnectionFactory : Channel shutdown: connection error;
protocol method: #method<connection.close>(reply-code=320, reply-
text=CONNECTION_FORCED - broker forced connection closure with reason
'shutdown', class-id=0, method-id=0)
the patch will install correctly. No action is required. If you encounter additional errors when upgrading a host to a new version, contact [Getting Help with NetWitness Platform](#).

External Repo Instructions for CLI Upgrade

Note: The external repo should have separate directories for 11.7.0.0, 11.7.1.0, and 11.7.1.1, as described in [Option 3: Upgrade NetWitness Platform XDR using CLI \(Offline\)](#).

Note: If you copied the .zip file to the created staging directory to unzip, make sure that you delete the initial .zip file that you copied to the staging location after you extract it.

1. Stage 11.7.1.1 by creating a directory on the NetWitness Server at `/tmp/upgrade/11.7.1.1` and extract the zip package.
`unzip netwitness-11.7.1.1.zip -d /tmp/upgrade/11.7.1.1`
2. Initialize the upgrade, using the following command:
`upgrade-cli-client --init --version 11.7.1.1--stage-dir /tmp/upgrade`
3. Upgrade Netwitness Server, using the following command:
`upgrade-cli-client --upgrade --host-addr <IP of Netwitness Server> --version 11.7.1.1`
4. When the component host upgrade is successful, reboot the host from NetWitness UI.
5. Repeat steps 3 and 4 for each component host, changing the IP address to the component host which is being upgraded.

Note: You can check versions of all the hosts, using the command `upgrade-cli-client --list` on NetWitness Server. If you want to view the help content of `upgrade-cli-client`, use the command `upgrade-cli-client --help`.

Note: If the following error displays during the upgrade process:
2017-11-02 20:13:26.580 ERROR 7994 - [127.0.0.1:5671]
o.s.a.r.c.CachingConnectionFactory : Channel shutdown: connection error;
protocol method: #method<connection.close>(reply-code=320, reply-
text=CONNECTION_FORCED - broker forced connection closure with reason
'shutdown', class-id=0, method-id=0)
the patch will install correctly. No action is required. If you encounter additional errors when upgrading a host to a new version, contact [Getting Help with NetWitness Platform](#).

Post-Upgrade Tasks

This topic is divided into two sections, based on the version that you are upgrading from:

[Post Upgrade Tasks for Customers Upgrading from version 11.6.x.x](#)

[Post Upgrade Tasks for Customers Upgrading from version 11.5.3.2 or 11.5.3.3](#)

Post Upgrade Tasks for Customers Upgrading from version 11.6.x.x



Task 1 (Optional) - Move the custom certificates

Move the custom certificates from external directory to `/etc/pki/nw/trust/import` directory.

Task 2- Enable Decoder Services

After you upgrade to 11.7.1.1, you must enable Capture AutoStart on Network Decoder and Network Hybrid Services.

To enable the Capture Autostart field:

1. Go to  (Admin) > Services.
The Administration Services view is displayed.
2. Select a Network Decoder or Network Hybrid service and select  > View > Config.
The services config view for the selected Network Decoder or Network Hybrid is displayed.
3. In the **Decoder Configuration** panel, select the **Capture Autostart** field and click **Apply**.

Task 3 (Optional) - Remove Old Plugins and Reinstall Export Connector Plugin.

Follow the below procedure only if you have export connector plugin in your deployment and logstash installed separately.

Remove the old plugin

You must remove the old plugin, so the scans do not list them as vulnerabilities.

1. Remove old Export Connector Plugin files. Do the following.

```
rm -rf /usr/share/logstash/vendor/bundle/jruby/2.5.0/logstash-  
inputnetwitness_export_connector-2.x.x
```

```
rm -rf /usr/share/logstash/vendor/bundle/jruby/2.5.0/gems/logstash-  
inputnetwitness_export_connector-2.x.x
```

Note: 2.x.x can be 2.1.0 or 2.0.0

Install the updated plugin

If you have Logstash installed separately, not as part of the NetWitness installation, you must install the updated Export Connector plugin after 11.7.1.1 patch upgrade. For more information to install the updated plugin, see <https://community.netwitness.com/t5/netwitness-platform-online/install-netwitness-logstash-input-plugin/ta-p/669115>.

Restart the Log Collector.

```
service nwlogcollector restart
```

Note: In case you have installed Logstash separately, outside NetWitness installation, the path and version of the plugin will be different. Restarting of the Log Collector service may not be required.

Post Upgrade Tasks for Customers Upgrading from version 11.5.3.2 or 11.5.3.3

Perform all the post upgrade tasks mentioned in *Upgrade Guide for RSA NetWitness Platform 11.7.0.0*.

Task 1 (Optional) - Remove Old Plugins and Reinstall Export Connector Plugin.

Follow the below procedure only if you have export connector plugin in your deployment and logstash installed separately.

Remove the old plugin

You must remove the old plugin, so the scans do not list them as vulnerabilities.

1. Remove old Export Connector Plugin files. Do the following.

```
rm -rf /usr/share/logstash/vendor/bundle/jruby/2.5.0/logstash-  
inputnetwitness_export_connector-1.x.x  
rm -rf /usr/share/logstash/vendor/bundle/jruby/2.5.0/gems/logstash-  
inputnetwitness_export_connector-1.x.x
```

Install the updated plugin

If you have Logstash installed separately, not as part of the NetWitness installation, you must install the updated Export Connector plugin after 11.7.1.1 patch upgrade. For more information to install the updated plugin, see <https://community.netwitness.com/t5/netwitness-platform-online/install-netwitness-logstash-input-plugin/ta-p/669115>.

Restart the Log Collector.

```
service nwlogcollector restart
```

Note: In case you have installed Logstash separately, outside NetWitness installation, the path and version of the plugin will be different. Restarting of the Log Collector service may not be required.

Getting Help with NetWitness Platform

Self-Help Resources

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

- See the documentation for all aspects of NetWitness here:
<https://community.netwitness.com/t5/netwitness-platform/ct-p/netwitness-documentation>
- Use the **Search** and **Ask it** fields in RSA Link to find specific information here:
<https://community.netwitness.com/>
- 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 [RSA NetWitness® Platform Blog Posts](#).
- If you need further assistance, contact RSA Support.

Contact RSA Support

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

- The version number of the RSA 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.

RSA Link	https://community.netwitness.com/ In the main menu, click My Cases .
International Contacts (How to Contact RSA Support)	https://community.netwitness.com/t5/support-information/how-to-contact-netwitness-support/ta-p/563897
Community	https://community.netwitness.com/t5/support/ct-p/support

Product Documentation

The following documentation is provided with this release.

Documentation	Location URL
RSA NetWitness Platform 11.x Master Table of Contents	https://community.netwitness.com/t5/netwitness-platform-online/netwitness-platform-all-documents/ta-p/676246
RSA NetWitness Platform 11.7 Product Documentation	https://community.netwitness.com/
RSA NetWitness Platform 11.7 Upgrade Guide	https://community.netwitness.com/t5/netwitness-platform-online/upgrade-guide-for-11-7/ta-p/652427

Feedback on Product Documentation

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

Build Numbers

The following table lists the build numbers for various components of NetWitness 11.7.1.1.

Component	Version Number
NetWitness Audit Plugins	11.7.1.1-4769.5
NetWitness Audit RT	11.7.1.1-4769.5
NetWitness Carlos RT	11.7.1.1-2685.5
NetWitness Collectd	11.7.1.1-4769.5
NetWitness Collectd SMS	11.7.1.1-4769.5
NetWitness Appliance	11.7.1.1-12275.5
NetWitness Archiver	11.7.1.1-12275.5
NetWitness Bootstrap	11.7.1.1-2204271222.5
NetWitness Broker	11.7.1.1-12275.5
NetWitness Concentrator	11.7.1.1-12275.5
NetWitness Console	11.7.1.1-12275.5
NetWitness ContextHub Server	11.7.1.1-220510065642.5
NetWitness Config Management	11.7.1.1-2204271232.5
NetWitness Decoder	11.7.1.1-12275.5
NetWitness Decoder Content	11.7.1.1-12275.5
NetWitness Deployment Upgrade	11.7.1.1-2205090421.5
NetWitness Legacy Web Server	11.7.1.1-220510122919.5
NetWitness Component Descriptor	11.7.1.1-2205240204.5
NetWitness Log Collector	11.7.1.1-15017.5
NetWitness Log Decoder	11.7.1.1-12275.5
NetWitness Log Player	11.7.1.1-12275.5
NetWitness Malware Analytics Server	11.7.1.1-220510112659.5
NetWitness RE Server	11.7.1.1-5925.5
NetWitness Respond Server	11.7.1.1-220427073515.5
NetWitness SMS Server	11.7.1.1-4769.5

NetWitness SMS Runtime RT	11.7.1.1-4769.5
NetWitness UI	11.7.1.1-220510010102.5
NetWitness WorkBench	11.7.1.1-12275.5

Revision History

Date	Description
May 2022	Release for GA