

# Upgrading X-Series Appliances to version 8.2.0

This article describes how to upgrade X-Series appliances from versions 7.8.x, 8.0.x, and 8.1.x to version 8.2.0.

Upgrade instructions cover all modules that reside on the appliance, including the appliance module (APP) and product modules. The product modules are either:

- **Web module** (the core components of your web protection solution) plus **Proxy module** (Content Gateway)
- **Email module** (the core components of your email protection solution)

**The upgrade procedures described in this guide use a local filestore.** By using a local filestore, the upgrade patches do not have to be downloaded multiple times from the patch download server.

## Recommended upgrade paths:

From	To	Step One	Step Two	Step Three
v8.1.x	v8.2.0	Prepare a local filestore with the 8.2.0 upgrade patches and use <i>Express upgrade</i> .		
v8.0.x	v8.2.0	Upgrade the Appliance module (APP) to 8.1.0.	Prepare a local filestore with the 8.2.0 upgrade patches and use <i>Express upgrade</i> .	
v7.8.4	v8.2.0	Upgrade the Appliance module (APP) to 8.0.0.	Upgrade the Appliance module (APP) to 8.1.0.	Prepare a local filestore with the 8.2.0 upgrade patches and use <i>Express upgrade</i> .
v7.8.2, v7.8.3	v8.2.0	Prepare a local filestore with the 8.0.0 Appliance module (APP) upgrade patch file and all 8.1.0 upgrade patch files. Then upgrade the APP module to 8.0.0.	Upgrade the APP module to 8.1.0 and then upgrade the remaining modules with <i>Express upgrade</i> .	Prepare a local filestore with the 8.2.0 upgrade patches. Upgrade all modules with Express upgrade.



### Important

If you are preparing to upgrade from v7.8.x and you have never enabled the “websense-ts” account on the blades, you must enable it one time (via the CLI). Then you may disable it. It need not be enabled during the upgrade process. In the CLI, use:

```
set account websense-ts --status <on|off>
```



### Important

If you are upgrading version 7.8.4 **TRITON AP-EMAIL** to v8.2.0, the backup schedule (configured in the CLI) is lost during the upgrade.

**Before upgrading**, log on to the CLI and document the backup schedule. In the CLI, use: **show backup schedule**

**After completing the upgrade**, log on to the CLI and reconfigure the backup schedule. Use: **create backup schedule**



### Important

If you are at version 7.8.4 and have already enabled VLAN support, no additional configuration is needed after upgrade to v8.2.x.

If you are at v7.8.2 or 7.8.3 and you want to enable VLAN support after upgrade, you must update the configuration of switches A1 and A2 on your X10G chassis. Please see the [Switch Configuration Guide](#) before you begin the upgrade process.

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### Important

If you are currently using **link aggregation** and plan to enable VLAN support after upgrade, you must disable link aggregation before enabling VLAN support on the blade or chassis.

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## Express upgrade

After the appliance module (APP) is upgraded to version 8.0.0, a new upgrade method, called **express upgrade**, is supported.

After APP is upgraded to version 8.1.0 or higher, when a filestore is prepared with the upgrade patches, the CLI command **load patch --location <filestore\_alias>** offers the express upgrade package.

Express upgrade is recommended because:

- It ensures that all patches are correct for the selected version and certified for production.
- It ensures that all needed patches are downloaded and, when the downloads are complete, the process automatically installs the patches in the correct order.
- It is the most efficient upgrade process, requiring the fewest steps and human interactions

Here's how it works:

1. In the CLI, when you enter **load patch** or **load patch --location** (if a local filestore has been prepared), a list of patches is displayed. The first package in the list is the **Express upgrade package**. It is clearly named.
2. When you select the express upgrade package, the patches needed to upgrade to the version indicated in the package name are all downloaded and automatically installed without the need for a separate **install patch** command.

## Individual patch files

You also have the option of upgrading each module individually.

When you select an individual patch file, the file is downloaded to the appliance, but not installed automatically. Once the download is complete, you can enter the **install patch** command when you are ready to apply the upgrade patch.



### Important

Alternatively, you can upgrade each module individually.

- [Upgrading from v7.8.4, 8.0.x, and 8.1.x to v8.2.0](#)
  - [Upgrading from v7.8.2 or 7.8.3 to v8.2.0](#)
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## Upgrading from v7.8.4, 8.0.x, and 8.1.x to v8.2.0

If you are upgrading from v7.8.2 or 7.8.3, see [Upgrading from v7.8.2 or 7.8.3 to v8.2.0](#).

**Upgrades from v7.8.4, 8.0.x, and 8.1.x include these steps:**

1. [Prepare the filestore](#), page 4
2. If you're upgrading TRITON AP-WEB security blades:  
[Upgrade the policy source machine](#), page 6
3. If you are upgrading from v7.8.4:  
[Upgrade the Appliance module to 8.0.0](#), page 7
4. If you are upgrading from v7.8.4 or 8.0.x:  
[Upgrade the Appliance module to 8.1.0](#), page 7
5. [Upgrade all blade modules to v8.2.0](#), page 8
6. [Verify the blade upgrade and complete upgrade of off-appliance components](#), page 14

## Prepare the filestore

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Staging upgrade patch files on a local filestore has many benefits:

- It greatly reduces the time needed to download upgrade patches to blade servers because the files are on the local network.
- Patch file downloads to blade servers are more reliable because Internet connectivity and Internet bandwidth are not a factor.

- The administrator has complete control over the software versions available for upgrade because the administrator controls which patch files are available in the filestore.
- For version 8.1.0 and higher, when patch files are staged in a local filestore and after the Appliance module (APP) is at version 8.1.0, the CLI command **load patch --location <filestore\_alias>** offers an *Express upgrade* package that upgrades all blade modules to the latest version with a single command.

For more about filestores, see [Using the X-Series Command Line Interface \(CLI\)](#).

To prepare a filestore to support 8.2.0 upgrades:

1. If not already configured, identify the location of the filestore and define it on every X-Series blade. Use the CLI **set filestore** command.
2. Download the 8.2.0 upgrade patches to the filestore.

If you are upgrading from 7.8.4 or 8.0.0, one or two additional files are downloaded after the v8.2.0 files. Stay logged on to **My Account**.

- a. Using a computer that has access to the Internet, go to [www.forcepoint.com](http://www.forcepoint.com) and log on to **My Account** (formerly MyWebsense).
- b. In **My Account**, go to the **Downloads** page and select the **Upgrades** tab.
- c. From the **Product** drop down list, select **Forcepoint X10G Base Configuration**. For **Version**, select 8.2.0.
- d. Download the upgrade patch files for the modules installed on your blades.  
\*All blades need the upgrade patch for the security blade APP module.

The patch files are available under these headings:

**Appliance Controller upgrade patch for v8.2**

Patch file name: **Websense-Patch-App-8.2.0.rpm**

**TRITON AP-WEB upgrade patch for v8.2**

Patch file name: **Websense-Patch-Web-8.2.0.tgz**

**Content Gateway upgrade patch for v8.2**

Patch file name: **Websense-Patch-Proxy-8.2.0.tgz**

**TRITON AP-EMAIL upgrade patch for v8.2**

Patch file name: **Websense-Patch-Email-8.2.0.tgz**

3. If you are upgrading from 7.8.4, download the 8.0.0 APP module patch.
  - a. From the **Product** drop down list, select **Forcepoint X10G Base Configuration**. For **Version**, select 8.0.0.
  - b. The patch file is available under the heading:
 

**Package 1 of a 4-part patch for v8.0 on the X10G**  
Patch file name: **Websense-Patch-APP-8.0.0.rpm**
4. If you are upgrading from 7.8.4 or 8.0.x, download the 8.1.0 APP module patch. This upgrade provides support for express upgrade staged in a local filestore.
  - a. From the **Product** drop down list, select **Forcepoint X10G Base Configuration**. For **Version**, select 8.1.0.
  - b. The patch file is available under the heading:

### **X10G Security Blade upgrade patch for v8.1**

Patch file name: **Websense-Patch-App-8.1.0.rpm**

5. **IMPORTANT:** Verify that all patches are in the filestore and accessible from the blades.

Log onto the CLI of a blade to be upgraded and enter:

```
load patch --location <filestore_name>
```

Verify that all of the patches you downloaded are present. The list includes:

For the Appliance Controller:

**Websense-Patch-APP-8.0.0.rpm** (if upgrading from v7.8.4)

**Websense-Patch-App-8.1.0.rpm** (if upgrading from v7.8.4 or 8.0.x)

**Websense-Patch-App-8.2.0.rpm**

For TRITON AP-WEB:

**Websense-Patch-Web-8.2.0.tgz**

**Websense-Patch-Proxy-8.2.0.tgz**

For TRITON AP-EMAIL:

**Websense-Patch-Email-8.2.0.tgz**

The filestore is now ready to support the upgrade.

## **Upgrade the policy source machine**

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If your deployment includes **TRITON AP-WEB**, you must upgrade the policy source machine before upgrading web protection components on your security blades. See [Upgrade Instructions: TRITON AP-WEB](#) for information about getting the installers used to upgrade off-appliance components.

In all instances, you must upgrade web protection products in the following order:

- a. Full policy source
- b. User directory and filtering (policy lite) security blades, and non-appliance servers that host Policy Server
- c. Filtering only security blades, and non-appliance servers that host Filtering Service
- d. Off-appliance servers hosting other web protection components (like Log Server or Logon Agent)

## Upgrade the Appliance module to 8.0.0

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If you are upgrading from 7.8.4, you must upgrade the appliance module (APP) to version 8.0.0. No other modules have to be upgraded to 8.0.0.

If you are upgrading from 8.0.x, proceed to [Upgrade the Appliance module to 8.1.0, page 7](#).

1. Log on to the appliance CLI via the security blade iDRAC controller.
2. Enter **config** mode.
3. Use **load patch --location <filestore\_alias>** to see a list of the available upgrade patches.
4. Select the 8.0.0 appliance module (APP) patch from the list to load the file. The patch file name is:

```
 Websense-Patch-APP-8.0.0.rpm
```

5. After the patch is loaded, install the patch with the **install patch** command. You can enter the command with no parameters to select the patch file from a list, or use the following command to specify the filename:

```
 install patch --file Websense-Patch-APP-8.0.0.rpm
```

The upgrade process takes about 15 minutes. Do not restart or turn off the appliance while the upgrade is underway. The patch will automatically restart the appliance to complete the upgrade process.

Proceed to [Upgrade the Appliance module to 8.1.0, page 7](#).

## Upgrade the Appliance module to 8.1.0

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If the Appliance module (APP) is at 8.0.x, upgrade the Appliance module to 8.1.0. No other modules have to be upgraded to 8.1.0.

If the Appliance module is still at version of 7.8.4, you must first [Upgrade the Appliance module to 8.0.0](#) and then return to this section.

To upgrade the Appliance module to 8.1.0:

1. Log on to the appliance CLI via the security blade iDRAC controller and enter **config** mode.
2. Use **load patch --location <filestore\_alias>** to see a list of the available upgrade patches.
3. Select the 8.1.0 appliance module (APP) patch from the list to load the file. The name is:

```
 Websense-Patch-App-8.1.0.rpm
```

4. After the patch is loaded, use the **install patch** command to install the patch. You can enter the command with no parameters to select the file from the list, or use the following command to specify the file name:

```
install patch --file Websense-Patch-App-8.1.0.rpm
```

The upgrade process takes about 15 minutes. Do not restart or turn off the appliance while the upgrade is underway. The patch will automatically restart the appliance to complete the upgrade process.

Proceed to [Upgrade all blade modules to v8.2.0](#), page 8.

## Upgrade all blade modules to v8.2.0

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**To upgrade security blade modules to v8.2.0 using an express upgrade package staged on a local filestore, the blade Appliance module (APP) should be at v8.1.0.** See [Upgrading from v7.8.4, 8.0.x, and 8.1.x to v8.2.0](#), page 4.

1. Log on to the appliance CLI via the security blade iDRAC controller and enter **config** mode.
2. Use the **load patch --location <filestore\_alias>** command to see a list of available upgrade patches.
3. Select the **Express upgrade package** for 8.2.0 to load and install upgrade patches for all modules. Patches include:

For the Appliance Controller (APP):

```
Websense-Patch-App-8.2.0.rpm
```

If the appliance is **TRITON AP-WEB**:

```
Websense-Patch-Web-8.2.0.tgz
```

```
Websense-Patch-Proxy-8.2.0.tgz
```

If the appliance is **TRITON AP-EMAIL**:

```
Websense-Patch-Email-8.2.0.tgz
```

4. When the installation process launches, accept the subscription agreement.
5. After the upgrade has completed, [Verify the blade upgrade and complete upgrade of off-appliance components](#).

Alternatively, you can upgrade each module individually.

# Upgrading from v7.8.2 or 7.8.3 to v8.2.0

If you are upgrading from v7.8.4 or higher, see [Upgrading from v7.8.4, 8.0.x, and 8.1.x to v8.2.0](#), page 4.

Upgrades from v7.8.2 and 7.8.3 include these steps:

1. [Prepare the filestore for 8.0.0 and 8.1.0](#), page 9
2. If you're upgrading TRITON AP-WEB security blades:  
[Upgrade the policy source machine](#), page 11
3. [Upgrade the Appliance module to 8.0.0](#), page 11
4. [Upgrade all blade modules to 8.1.0](#), page 12
5. [Prepare the filestore for 8.2.0](#), page 13
6. [Upgrade all blade modules to v8.2.0](#), page 14
7. [Verify the blade upgrade and complete upgrade of off-appliance components](#), page 14

## Prepare the filestore for 8.0.0 and 8.1.0

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Staging upgrade patch files on a local filestore has many benefits:

- It greatly reduces the time needed to download upgrade patches to blade servers because the files are on the local network.
- Patch file downloads to blade servers are more reliable because Internet connectivity and Internet bandwidth are not a factor.
- The administrator has complete control over the software versions available for upgrade because the administrator controls which patch files are available in the filestore.
- For version 8.1.0 and higher, when patch files are staged in a local filestore and after the Appliance module (APP) is at version 8.1.0, the CLI command **load patch --location <filestore\_alias>** offers an [Express upgrade](#) package that upgrades all blade modules to the latest version with a single command.

For more about filestores, see [Using the X-Series Command Line Interface \(CLI\)](#).

The upgrade from 7.8.2 or 7.8.3 to 8.2.0 includes these version upgrade steps:

- a. The Appliance controller module is upgraded to 8.0.0 and then to 8.1.0.
- b. The remaining modules are then upgraded to 8.1.0.
- c. All modules are upgraded to 8.2.0.

As a consequence, the filestore is prepared twice. First for the upgrade to 8.1.0 (which includes the Appliance controller upgrade to 8.0.0). Then for the upgrade to 8.2.0.



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**Important**

Do not add the v8.2.0 patches to the filestore until after the 8.1.0 upgrade is complete.

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To prepare a filestore to support upgrade to 8.1.0:

1. If not already configured, identify the location of the filestore and define it on every X-Series blade. Use the CLI **set filestore** command.
2. Download the 8.1.0 upgrade patches to the filestore. You will also download 1 additional patch, so stay logged on to **My Account** (formerly MyWebsense).
  - a. Using a computer that has access to the Internet, go to [www.forcepoint.com](http://www.forcepoint.com) and log on to **My Account**.
  - b. In **My Account**, go to the **Downloads** page and select the **Upgrades** tab.
  - c. From the **Product** drop down list, select **Forcepoint X10G Base Configuration**. For **Version**, select 8.1.0.
  - d. Download the upgrade patch files for the modules installed on your blades.  
\*All blades need the upgrade patch for the Appliance Controller (APP) module.  
The patch files are available under these headings:  
**Appliance Controller upgrade patch for v8.1**  
Patch file name: **Websense-Patch-App-8.1.0.rpm**  
**TRITON AP-WEB upgrade patch for v8.1**  
Patch file name: **Websense-Patch-Web-8.1.0.tgz**  
**Content Gateway upgrade patch for v8.1**  
Patch file name: **Websense-Patch-Proxy-8.1.0.tgz**  
**TRITON AP-EMAIL upgrade patch for v8.1**  
Patch file name: **Websense-Patch-Email-8.1.0.tgz**
3. Download the 8.0.0 Appliance Controller (APP) upgrade patch.
  - a. From the **Product** drop down list, select **Forcepoint X10G Base Configuration**. For **Version**, select 8.0.0.
  - b. The patch file is available under the heading:  
**Package 1 of a 4-part patch for v8.0 on the X10G**  
Patch file name: **Websense-Patch-APP-8.0.0.rpm**
4. **IMPORTANT:** Verify that all patches are in the filestore and accessible from the blades.

Log onto the CLI of a blade to be upgraded and enter:

```
load patch --location <filestore_name>
```

Verify that all of the patches you downloaded are present. The list includes:

For the Appliance Controller:

**Websense-Patch-APP-8.0.0.rpm**

**Websense-Patch-App-8.1.0.rpm**

For TRITON AP-WEB:

**Websense-Patch-Web-8.1.0.tgz**

**Websense-Patch-Proxy-8.1.0.tgz**

For TRITON AP-EMAIL:

**Websense-Patch-Email-8.1.0.tgz**

The filestore is now ready to support the upgrade.

## Upgrade the policy source machine

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If your deployment includes **TRITON AP-WEB**, you must upgrade the policy source machine before upgrading web protection components on your security blades. Upgrade to the final version, 8.2.0. See [Upgrade Instructions: TRITON AP-WEB](#) for information about getting the installers used to upgrade off-appliance components.

In all instances, you must upgrade web protection products in the following order:

- a. Full policy source
- b. User directory and filtering (policy lite) security blades, and non-appliance servers that host Policy Server
- c. Filtering only security blades, and non-appliance servers that host Filtering Service
- d. Off-appliance servers hosting other web protection components (like Log Server or Logon Agent)

## Upgrade the Appliance module to 8.0.0

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Upgrade the appliance module (APP) to version 8.0.0. No other modules have to be upgraded to 8.0.0.

1. Log on to the appliance CLI via the security blade iDRAC controller.
2. Enter **config** mode.
3. Use **load patch --location <filestore\_alias>** to see a list of the available upgrade patches.
4. Select the 8.0.0 appliance module (APP) patch from the list to load the file. The patch file name is:  

```
Websense-Patch-APP-8.0.0.rpm
```
5. After the patch is loaded, install the patch.

- **If you are upgrading from version 7.8.2**, use the **apply patch** command. You can enter the command with no parameters to select the patch file from a list, or use the following command to specify the filename:

```
apply patch --file Websense-Patch-APP-8.0.0.rpm
```

- **If you are upgrading from version 7.8.3**, use the **install patch** command. You can enter the command with no parameters to select the patch file from a list, or use the following command to specify the filename:

```
install patch --file Websense-Patch-APP-8.0.0.rpm
```

The upgrade process takes about 15 minutes. Do not restart or turn off the appliance while the upgrade is underway. The patch will automatically restart the appliance to complete the upgrade process.

Proceed to [Upgrade all blade modules to 8.1.0](#), page 12.

## Upgrade all blade modules to 8.1.0

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This is a 2-step process. First upgrade the Appliance module (APP) to 8.1.0. Then upgrade the remaining modules using the express upgrade package.

Upgrade the Appliance module to 8.1.0.

1. Log on to the appliance CLI via the security blade iDRAC controller and enter **config** mode.
2. Use **load patch --location <filestore\_alias>** to see a list of the available upgrade patches.
3. Select the 8.1.0 APP patch from the list to load the file. The name is:

```
Websense-Patch-App-8.1.0.rpm
```

4. After the patch is loaded, use the **install patch** command to install the patch. You can enter the command with no parameters to select the file from the list, or use the following command to specify the file name:

```
install patch --file Websense-Patch-App-8.1.0.rpm
```

The upgrade process takes about 15 minutes. Do not restart or turn off the appliance while the upgrade is underway. The patch will automatically restart the appliance to complete the upgrade process.

After APP is upgraded and the appliance has restarted, upgrade the remaining modules to 8.1.0.

1. Log on to the appliance CLI via the security blade iDRAC controller and enter **config** mode.
2. Use the **load patch --location <filestore\_alias>** command to see a list of available upgrade patches.
3. Select the **Express upgrade package** for 8.1.0 to load and install the product module patches needed to upgrade the appliance to 8.1.0.

If the appliance is **TRITON AP-WEB**, the patches include:

`Websense-Patch-Web-8.1.0.tgz`

`Websense-Patch-Proxy-8.1.0.tgz`

If the appliance is **TRITON AP-EMAIL**, the patch is:

`Websense-Patch-Email-8.1.0.tgz`

4. When the installation process launches, accept the subscription agreement.
5. After the upgrade has completed, *Verify the blade upgrade and complete upgrade of off-appliance components.*

## Prepare the filestore for 8.2.0

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To prepare the filestore for the upgrade to 8.2.0:

1. Download the 8.2.0 upgrade patches to the filestore.
  - a. Using a computer that has access to the Internet, go to [www.forcepoint.com](http://www.forcepoint.com) and log on to **My Account**.
  - b. In **My Account**, go to the **Downloads** page and select the **Upgrades** tab.
  - c. From the **Product** drop down list, select **Forcepoint X10G Base Configuration**. For **Version**, select 8.2.0.
  - d. Download the upgrade patch files for the modules installed on your blades.

The patch files are available under these headings:

**Appliance Controller upgrade patch for v8.2**  
Patch file name: **Websense-Patch-App-8.2.0.rpm**

**TRITON AP-WEB upgrade patch for v8.2**  
Patch file name: **Websense-Patch-Web-8.2.0.tgz**

**Content Gateway upgrade patch for v8.2**  
Patch file name: **Websense-Patch-Proxy-8.2.0.tgz**

**TRITON AP-EMAIL upgrade patch for v8.2**  
Patch file name: **Websense-Patch-Email-8.2.0.tgz**
2. **IMPORTANT:** Verify that all patches are in the filestore and accessible from the blades.

Log onto the CLI of a blade to be upgraded and enter:

```
load patch --location <filestore_name>
```

Verify that all of the patches you downloaded are present.

For the Appliance controller:

```
Websense-Patch-App-8.2.0.rpm
```

For TRITON AP-WEB:

```
Websense-Patch-Web-8.2.0.tgz
```

```
Websense-Patch-Proxy-8.2.0.tgz
```

For TRITON AP-EMAIL:

**Websense-Patch-Email-8.2.0.tgz**

The filestore is now ready to support the upgrade.

## Upgrade all blade modules to v8.2.0

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**To upgrade security blade modules to v8.2.0 using an express upgrade package staged on a local filestore, the Appliance module (APP) should be at v8.1.0.** See [Upgrading from v7.8.2 or 7.8.3 to v8.2.0, page 9](#).

1. Log on to the appliance CLI via the security blade iDRAC controller and enter **config** mode.
2. Use the **load patch --location <filestore\_alias>** command to see a list of available upgrade patches.
3. Select the **Express upgrade package** for 8.2.0 to load and install upgrade patches for all modules. Patches include:

For the Appliance module (APP):

```
Websense-Patch-App-8.2.0.rpm
```

If the appliance is **TRITON AP-WEB**:

```
Websense-Patch-Web-8.2.0.tgz
```

```
Websense-Patch-Proxy-8.2.0.tgz
```

If the appliance is **TRITON AP-EMAIL**:

```
Websense-Patch-Email-8.2.0.tgz
```

4. When the installation process launches, accept the subscription agreement.
5. After the upgrade has completed, [Verify the blade upgrade and complete upgrade of off-appliance components](#).

Alternatively, you can upgrade each module individually.

## Verify the blade upgrade and complete upgrade of off-appliance components

After the upgrade is complete, it's very important that you verify the version of every module on the appliance. They should all be at version 8.2.0.

1. Log onto the appliance CLI via the security blade iDRAC controller.
2. To verify the appliance controller version, use:

```
show appliance
```

3. To verify the Web module version (TRITON AP-WEB), use:

```
show web
```

4. To verify the proxy module version (Content Gateway), use:  
`show proxy`
5. To verify the Email module version (TRITON AP-EMAIL), use:  
`show email`

Lastly, complete the upgrade of off-appliance components.

For TRITON AP-WEB, see [Upgrade Instructions: TRITON AP-WEB](#).

For TRITON AP-EMAIL, see [Upgrade Instructions: TRITON AP-EMAIL](#).

For more information about CLI commands, see [Using the X-Series Command Line Interface \(CLI\)](#).

