



Configuration Guide

Version 1.0

Thank You for Choosing Ross

You've made a great choice. We expect you will be very happy with your purchase of Ross Technology. Our mission is to:

1. Provide a Superior Customer Experience
 - offer the best product quality and support
2. Make Cool Practical Technology
 - develop great products that customers love

Ross has become well known for the Ross Video Code of Ethics. It guides our interactions and empowers our employees. I hope you enjoy reading it below.

If anything at all with your Ross experience does not live up to your expectations be sure to reach out to us at solutions@rossvideo.com.



David Ross
CEO, Ross Video
dross@rossvideo.com

Ross Video Code of Ethics

Any company is the sum total of the people that make things happen. At Ross, our employees are a special group. Our employees truly care about doing a great job and delivering a high quality customer experience every day. This code of ethics hangs on the wall of all Ross Video locations to guide our behavior:

1. We will always act in our customers' best interest.
2. We will do our best to understand our customers' requirements.
3. We will not ship crap.
4. We will be great to work with.
5. We will do something extra for our customers, as an apology, when something big goes wrong and it's our fault.
6. We will keep our promises.
7. We will treat the competition with respect.
8. We will cooperate with and help other friendly companies.
9. We will go above and beyond in times of crisis. *If there's no one to authorize the required action in times of company or customer crisis - do what you know in your heart is right. (You may rent helicopters if necessary.)*

Streamline Play · Configuration Guide

- Ross Part Number: **7850DR-002-1.0**
- Release Date: March 23, 2018.
- Software Issue: **1.0**

The information contained in this Guide is subject to change without notice or obligation.

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Patents

Patent numbers US 7,034,886; US 7,508,455; US 7,602,446; US 7,802,802 B2; US 7,834,886; US 7,914,332; US 8,307,284; US 8,407,374 B2; US 8,499,019 B2; US 8,519,949 B2; US 8,743,292 B2; GB 2,419,119 B; GB 2,447,380 B; and other patents pending.

Warranty and Repair Policy

Ross Video Limited (Ross) warrants its Streamline Play systems to be free from defects under normal use and service a time period of 15 months from the date of shipment:

If an item becomes defective within the warranty period Ross will repair or replace the defective item, as determined solely by Ross.

Warranty repairs will be conducted at Ross, with all shipping FOB Ross dock. If repairs are conducted at the customer site, reasonable out-of-pocket charges will apply. At the discretion of Ross, and on a temporary loan basis, plug in circuit boards or other replacement parts may be supplied free of charge while defective items undergo repair. Return packing, shipping, and special handling costs are the responsibility of the customer.

This warranty is void if products are subjected to misuse, neglect, accident, improper installation or application, or unauthorized modification.

In no event shall Ross Video Limited be liable for direct, indirect, special, incidental, or consequential damages (including loss of profit). Implied warranties, including that of merchantability and fitness for a particular purpose, are expressly limited to the duration of this warranty.

This warranty is TRANSFERABLE to subsequent owners, subject to Ross' notification of change of ownership.

Extended Warranty

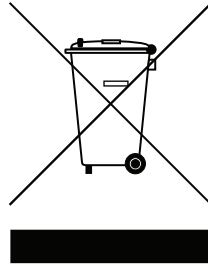
For customers that require a longer warranty period, Ross offers an extended warranty plan to extend the standard warranty period by one year increments. For more information about an extended warranty for your Streamline Play system, contact your regional sales manager.

Environmental Information

The equipment that you purchased required the extraction and use of natural resources for its production. It may contain hazardous substances that could impact health and the environment.

To avoid the potential release of those substances into the environment and to diminish the need for the extraction of natural resources, Ross Video encourages you to use the appropriate take-back systems. These systems will reuse or recycle most of the materials from your end-of-life equipment in an environmentally friendly and health conscious manner.

The crossed-out wheeled bin symbol invites you to use these systems.



If you need more information on the collection, reuse, and recycling systems, please contact your local or regional waste administration.

You can also contact Ross Video for more information on the environmental performances of our products.

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Introduction

A Word of Thanks

On behalf of our team here at Ross Video, I would like to thank you for choosing to buy a Streamline Play system.

We are committed to providing you with the highest level of customer satisfaction possible. If, for any reason, you have questions or comments, please call Ross Video at +1-613-652-4886 or send us an e-mail at techsupport@rossvideo.com.

We hope that you visit our website www.rossvideo.com to stay up to date with ongoing software releases, join our customer forum and learn more about the complete range of Ross Video products.

Note that software maintenance and extended warranties are available for your system to protect and extend the life of your investment. Our sales team are more than happy to provide further information on the plans available. Members of our sales team promptly response to e-mails sent to: solutions@rossvideo.com.

Again, thank you for your purchase of a Streamline Play system from Ross Video. We know that you will be very pleased with your decision.

Yours Sincerely,

A handwritten signature in black ink that reads "Jenn Jarvis". The signature is written in a cursive, flowing style.

Jenn Jarvis
Marketing Product Manager - Inception & Streamline
jjarvis@rossvideo.com

About This Guide

This guide contains the following chapters that cover the configuration and use of Streamline Play software:

1. “**Introduction**” summarizes the guide and provides important terms, conventions and feature descriptions.
2. “**Network Configuration**” provides IP address configuration instructions for the Streamline, Streamline Server, and Caprica components in your Streamline Play system.
3. “**Streamline Configuration**” provides configuration instructions for the Streamline media asset manager in your Streamline Play system.
4. “**Caprica Server Configuration**” provides configuration instructions for the Caprica Server in your Streamline Play system.
5. “**Streamline Server Configuration**” provides configuration instructions for the Streamline Server in your Streamline Play system.
6. “**Inception Configuration**” provides configuration instructions for an Inception NRCS to work with your Streamline Play system.
7. “**Abekas Video Server Configuration**” provides configuration instructions for the Abekas video server in your Streamline Play system.

If you have questions pertaining to the operation of the Ross Video product, please contact us at the numbers listed in the section “**Contacting Technical Support**” on page 1–3. Our technical staff is always available for consultation, training, or service.

Documentation Conventions

Special text formats are used in this guide to identify parts of the user interface, text that a user must enter, or a sequence of menus and sub-menus that must be followed to reach a particular command.

Interface Elements

Bold text is used to identify a user interface element such as a dialog box, menu item, or button. For example:

In the **Work Order Manager** panel, click **Create New Work Order**.

User Entered Text

Courier text is used to identify text that a user must enter. For example:

In the **Language** box, enter **English**.

Referenced Guides

Italic text is used to identify the titles of referenced guides, manuals, or documents. For example:

For more information, refer to the section “**Creating a Work Order**” in the *Streamline Play User Guide*.

Menu Sequences

Menu arrows are used in procedures to identify a sequence of menu items that you must follow. For example, if a step reads “**File > Save As**,” you would click the **File** menu and then click **Save As**.

Important Instructions

Star icons are used to identify important instructions or features. For example:

- ★ When Streamline Play cannot connect to the network, a **Message** dialog box opens to report the connection problem.

Getting Help

The Ross Video product Online Help system is accessed by selecting **Help Topics** from the **Help** menu in the product. Alternatively, press the **F1** key while working in a client or dialog box.

The Online Help system contains the following navigation tabs to locate information contained in the Online Help topics and *User Guide*:

- **Contents** — table of contents
- **Index** — keyword reference
- **Search** — full text search
- **Favorites** — preferred information storage and access

Ross Video product guides are also supplied as print-ready PDF files on the Ross Video product Software Installation DVD.

Contacting Technical Support

Technical Support is staffed by a team of experienced specialists ready to assist you with any question or technical issue.

Ross Video has technical support specialists strategically located around the globe to ensure a prompt response to technical inquiries. Our primary technical support center is located in Ottawa, Ontario, Canada. In addition, we have offices in The United Kingdom (London), Australia (Sydney), and Singapore with satellite locations in New York City, The Netherlands, and China. As we expand our presence globally, we are constantly evaluating other key locations to have a local technical support specialist in order to better service our customers.

North America

Our North America center located in Ottawa, Ontario, Canada and is open Monday to Friday 8:30 a.m. to 6:00 p.m. EST, with 24/7/365 on-call service after hours.

Our telephone number is: +1-613-652-4886

Toll free within North America: +1 844-652-0645

EMEA

Our EMEA center is located in Buckinghamshire, England, United Kingdom and is open Monday to Friday 8:30 a.m. to 5:00 p.m. GMT. After hours support is provided by our North America location.

Our telephone number is: +44 (0)1189502446

International toll free: +800 1005 0100

Emergency After-hours Support

Our telephone number is: +1-613-349-0006

Toll free within North America: +1 844-652-0645

International toll free: +800 1005 0100

Online

E-mail: techsupport@rossvideo.com

Website: use the link <http://www.rossvideo.com/support/tech-support.html> to open a support request.

Network Configuration

This chapter provides IP address configuration instructions for the Streamline, Streamline Server, and Caprica components in your Streamline Play system. The following topics are discussed in this chapter:

- Set the Streamline IP Address
- Set the Streamline Server IP Address
- Set the Caprica IP Address

Set the Streamline IP Address

Streamline runs on the host computer of the Streamline Play system.

- HOST (Streamline) IP address goes on the virtual switch.

Set the Streamline Server IP Address

The Streamline Server runs as a virtual machine on the host computer of the Streamline Play system.

- Use the Hyper-V Manager to access the Streamline Server virtual machine.

Set the Caprica IP Address

Caprica runs as a virtual machine on the host computer of the Streamline Play system.

- Use the Hyper-V Manager to access the Caprica virtual machine.

Streamline Configuration

This chapter provides configuration instructions for the Streamline Server in your Streamline Play system. The following topics are discussed in this chapter:

- Create a Streamline Server License
- Activate a Streamline Product Key
- Connect Streamline with the NCS
- Create an Abekas Video Server Target
- Set the Abekas Target as the Default Target
- Set the Streamline Service User

Create a Streamline Server License

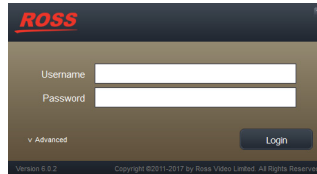
Ross Video uses a product key and feature license keys to control user access to Streamline Server features. Before you can license the Streamline Server in your Streamline Play system, you must create a license on the Ross Video Activation Server for the Streamline Server. After you create a license, you must activate the license on the Streamline Server.


To create a Streamline Server license

1. In a web browser, use the following URL to open the Ross Video Activation Server web page:

`http://activation.rossvideo.com`

The **Ross Video Activation Server Login** web page opens.



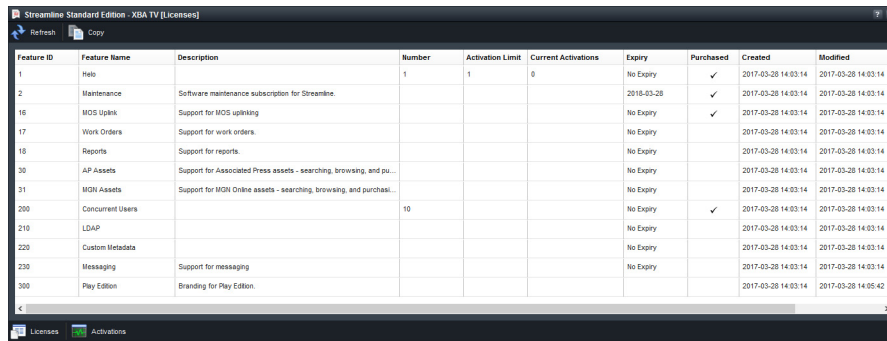
2. Use your Ross Video Activation Server credentials to log in to the web page.
3. In the **License** section of the main toolbar, click the  **Create License** icon.

The **New License** dialog box opens.

4. Use the **Product** list to select **Streamline**.
5. Use the **Edition** list to select **Standard Edition**.
6. Use the **Type** list to select **Customer**.
7. In the **Customer ID** box, enter the identification number of the licensed customer.
8. In the **PO/Order Number** box, enter the purchase order number associated with the license.
9. In the **Customer Name** box, enter the name of the licensed customer.
10. In the **Description** box, enter the a description of the license.

11. Click **OK**.

The **New License** dialog box closes and a new license opens in the **Licenses** panel.



Feature ID	Feature Name	Description	Number	Activation Limit	Current Activations	Expiry	Purchased	Created	Modified
1	Help		1	1	0	No Expiry	<input checked="" type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
2	Maintenance	Software maintenance subscription for Streamline.				2018-03-28	<input checked="" type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
16	MOS Update	Support for MOS updating				No Expiry	<input checked="" type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
17	Work Orders	Support for work orders.				No Expiry	<input type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
18	Reports	Support for reports.				No Expiry	<input type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
30	AP Assets	Support for Associated Press assets - searching, browsing, and pu...				No Expiry	<input type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
31	MGN Assets	Support for MGN Online assets - searching, browsing, and purchas...				No Expiry	<input type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
200	Concurrent Users		10			No Expiry	<input checked="" type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
210	LDAP					No Expiry	<input type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
220	Custom Metadata					No Expiry	<input type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
230	Messaging	Support for messaging				No Expiry	<input type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:03:14
300	Play Edition	Branding for Play Edition.					<input type="checkbox"/>	2017-03-28 14:03:14	2017-03-28 14:05:42

12. Click in the **Purchased** cell associated with the **Feature ID 300**.

13. Press the **Space Bar**.

The Ross Video Activation Server displays a check box in the selected **Purchased** cell.

14. Select the **Purchased** check box.

15. Click any other cell in the **Licenses** panel.

The Ross Video Activation Server displays a check mark in the selected **Purchased** cell and adds **Feature ID 300** to the license.


16. Verify that the **Purchased** cell displays a check mark for the following **Feature IDs**:

- **1**
- **2**
- **16**
- **200**

When a **Purchased** cell associated with a **Feature ID** does not contain a check mark, follow steps **12** to **15** to add the feature to the license.

17. In the **Licenses** panel toolbar, click the  **Copy** icon.

The Ross Video Activation Server copies the product key for the new license to the clipboard. You can paste the product key in a text file to hold the product key while you transfer it to the Streamline Server.

18. In the **Logout** section of the main toolbar, click the  **Logout** icon.

Activate a Streamline Product Key

Ross Video uses product keys to manage user licenses for Streamline features.

★ When you activate a Streamline product key, your Streamline Server computer must contact the Ross Video Activation Server through the internet.

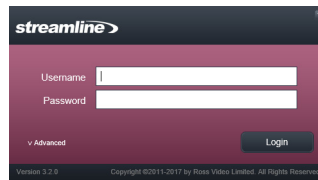
To activate a Streamline product key

1. Verify that the Streamline computer can connect to the Internet.
2. On the Desktop, double-click the **Ross Streamline** icon.

An **Alert** dialog box opens with the Ross Streamline web page.

3. In the **Alert** dialog box, click **OK**.

The **Alert** dialog box closes and the **Streamline Login** dialog box opens.



4. In the **Streamline Login** dialog box, enter the following user name and password in the provided boxes:

- **Username** — `root`
- **Password** — `password`

5. Click **Login**.

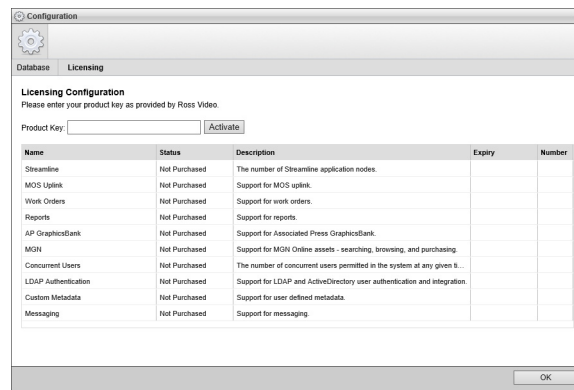
The Streamline Server logs you in as an **Administrator**.

6. In the **Tools** section of the main toolbar, click the  **Configuration** icon.

The **Configuration** panel opens.

7. Click the **Licensing** tab.

The **Licensing Configuration** tab opens.



8. Copy the product key created in the procedure “**To create a Streamline Server license**” on page 3–2.






9. In the **Product Key** box, paste the product key created in the procedure “**To create a Streamline Server license**” on page 3–2.

10. Click **Activate**.

After activating the entered product key, an **Alert** dialog box opens requesting a web browser window refresh.

11. Click **OK**

The **Alert** dialog box closes and the **Licensing Configuration** tab updates to display the new feature licenses associated with the activated product key. The **Status** column displays one of the following states:

Background	Status	Description
 Green	Active	The feature is active and available to Streamline users.
 Yellow	Expires in # days	The feature availability for Streamline users expires in the displayed number of days.
 Red	Expired	The feature has expired and is no longer available to Streamline users.
 Red	Invalid MAC	The feature license key is invalid for the active network interface card of the Streamline computer.
 White	Not Purchased	The feature is not accessible to Streamline users, but it is available for purchase.


12. Click **OK**.

The **Configuration** dialog box closes.

Connect Streamline with the NCS

The Streamline Play system uses the MOS protocol to connect the Streamline Server with the system NCS.

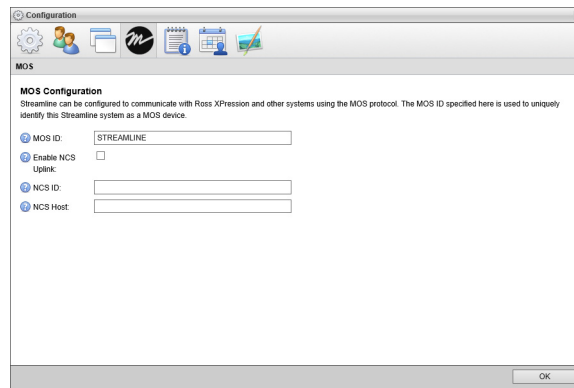
To configure an uplink between a Streamline Server and an NCS

1. Log in to your Streamline Server as an administrator.
2. On the main toolbar, click the  **Configuration** icon.

The **Configuration** window opens.

3. On the **Configuration** window toolbar, click the  **MOS** icon. If the **MOS** icon is not visible, you are not an administrator and cannot configure MOS connections.

The **MOS** panel opens.




4. Select the **Enable NCS Uplink** check box to establish a connection between the Streamline Server and the NCS specified in the **NCS ID** and **NCS Host** boxes.
5. In the **NCS ID** box, enter the NCS ID of your NCS.
6. In the **NCS Host** box, enter the hostname or IP address of the NCS gateway.
7. Click **OK**.

Create an Abekas Video Server Target

A target configured for an Abekas video server enables Streamline to push assets to the video server for playout from the Streamline Play Playout Server.

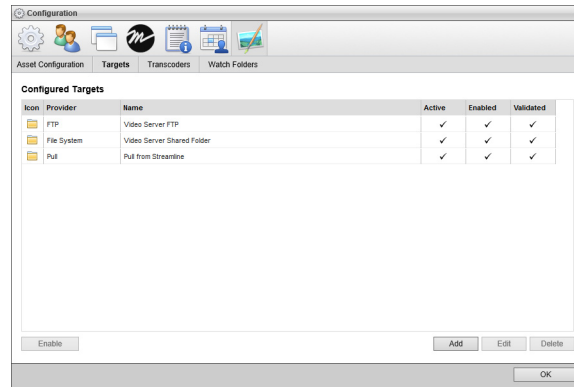
To add an Abekas target

1. On the **Configuration** window toolbar, click the  **Asset** icon.

The **Configure Asset Storage** panel opens.

2. Click the **Targets** tab.

The **Targets** tab opens.



3. Click **Add**.

The **Attach Target** page opens.

4. Use the **Device** list to select **Uncertified Device**.

5. Use the **Target Type** list to select **File System**.

6. Click **Next**.

The **File System Target Configuration** page opens.

7. In the **Name** box, enter **Abekas** as the name for the target.

8. Click in the **Key Name** box.

Streamline automatically enters an identifier name for the target. You can edit the entered name.

9. In the **Path** box, enter the full pathname on the Abekas video server of the shared folder in which to save assets pushed from Streamline to the Abekas video server. This folder must be accessible to Streamline.

10. Click **Next**.

The **Target Configuration** page opens.

11. Use the **Icon** list to select an icon to identify the target.

If the icons in the list are not appropriate for your target, do the following:

- a. Use the **Icon** list to select **Upload an Icon**.

Streamline displays a **Browse** button.

- b. Click **Browse**.

The **File Upload** dialog box opens.

- c. Use the **File Upload** dialog box to select the image file to use as the icon for your target.

- d. Click **Open**.

Streamline adds the image contained in the selected image file to the **Icon** list as the **Uploaded Icon** option, and automatically selects the uploaded image as the icon for your target. You can only upload one image to the **Icon** list at a time. Uploading another image to the **Icon** list replaces the current uploaded image with the new image.

12. Select the **Require Approval** check box to only allow users to send approved assets to the target. Clear this check box to allow users to send unapproved or approved assets to the target.

13. In the **Remove from Target After** box, enter the amount of time after which to delete unused assets from the target.

14. Use the **Clip Name Case** list to select the capitalization of clip names on the target. The available options are as follows:

- **Default** — use the same capitalization as the asset filename (Sports Intro).
- **All Uppercase** — change all letters to uppercase (SPORTS INTRO).
- **All Lowercase** — change all letters to lowercase (sports intro).

15. Select the **Replace Spaces With Underscores** check box to replace all spaces in a clip name with underscore () characters.

For example: the clip name **Sports Intro** would change to **Sports_Intro**.

16. In the **Max Clip Name Length** box, enter the maximum length in characters for clip names on the target.

The maximum clip length does not include the file extension. Clip names for assets with filenames longer than the set maximum clip name length are truncated to the set length.

17. Click **Edit Filter** to open the **Search Editor** window to define a filter that controls the assets that users can send to the target.

★ Streamline only allows users to send assets to a target that match the filter defined for the target.

18. Click **Save**.


Streamline adds the new target to the **Configured Targets** list.

Set the Abekas Target as the Default Target

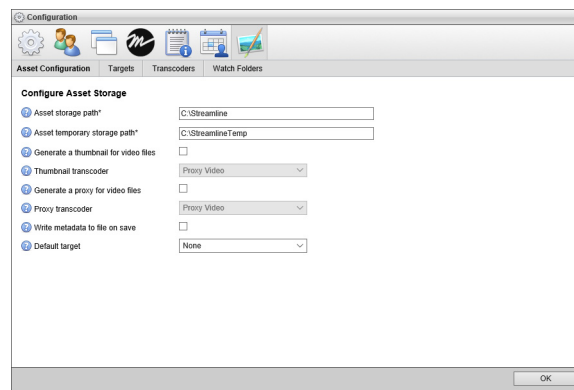
After you create the Abekas target, you must set the Abekas target as the default target that Streamline uses to push assets to external devices.

This section outlines how to re-map the storage location for your assets to a folder on the Streamline Play Server.

To map the asset storage location to a folder

1. On the **Configuration** window toolbar, click the  **Asset** icon.

The **Configure Asset Storage** panel opens.



2. Use the **Default Target** list to select the Abekas target that you created in the procedure “**To add an Abekas target**” on page 3–6.

Streamline automatically sends uploaded asset files to the selected target.

3. Click **OK** to save settings and close the **Configuration** panel.

Set the Streamline Service User

You must also set the set the Streamline service to run as the Streamline user.

To set the user that runs the Streamline service

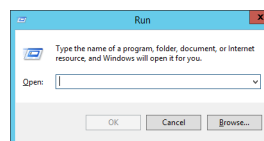
1. Log in to the Streamline Play computer using the following credentials:

User Name: `streamline`

Password: `streamline`

2. From the Windows Desktop, press **Windows Key+R**.

The **Run** dialog box opens.

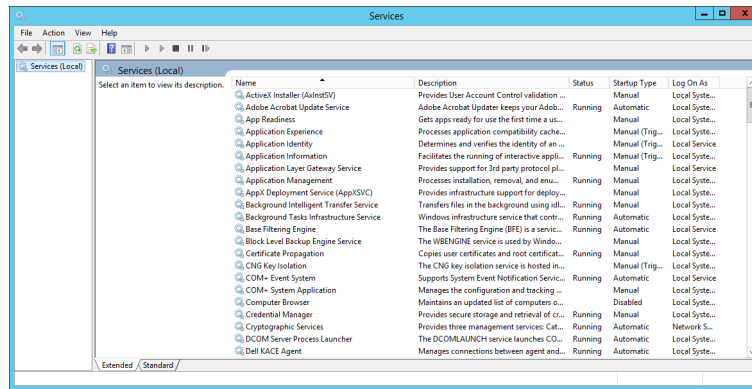


3. In the **Open** box, type the following application name:

`services.msc`

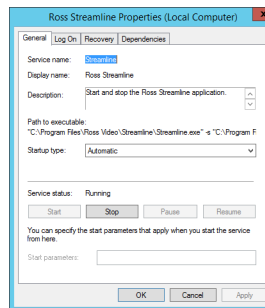
- Click **OK**.

The **Services** window opens.



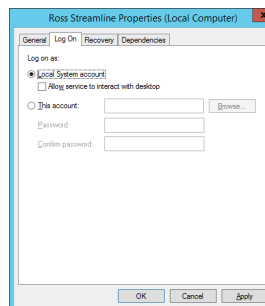
- In the **Services** list, locate the **Ross Streamline** service.
- Right-click the **Ross Streamline** service and select **Properties** from the shortcut menu.

The **Ross Streamline Properties** dialog box opens.



- Click the **Log On** tab.

The **Log On** tab opens.



- Select the **This account** option.
- In the **This account** box, enter **streamline**.
- In the **Password** box, enter **streamline**.
- In the **Confirm Password** box, enter **streamline**.
- Click **OK**.

A **Services** alert dialog box opens.

- Click **OK**.

A second **Services** alert dialog box opens.

14. Click **OK**.

The **Ross Streamline Properties** dialog box closes.

15. In the **Services** window, use the **File** menu to select **Exit**.

The **Services** window closes.

Caprica Server Configuration

This chapter provides configuration instructions for the Caprica Server in your Streamline Play system. The following topics are discussed in this chapter:

- Create a Caprica Server License
- Activate a Caprica Server Product Key
- License Caprica Server Software
- Import Caprica Configuration
- Set the Abekas Video Server Device IP Address

Create a Caprica Server License

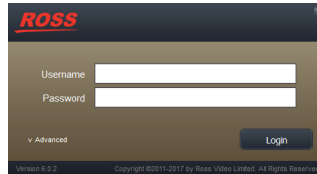
Ross Video uses a product key and feature license keys to control user access to Caprica Server features. Before you can license the Caprica Server in your Streamline Play system, you must create a license on the Ross Video Activation Server for the Caprica Server. After you create a license, you must activate the license on the Caprica Server.


To create a Caprica Server license

1. In a web browser, use the following URL to open the Ross Video Activation Server web page:

`http://activation.rossvideo.com`

The **Ross Video Activation Server Login** web page opens.



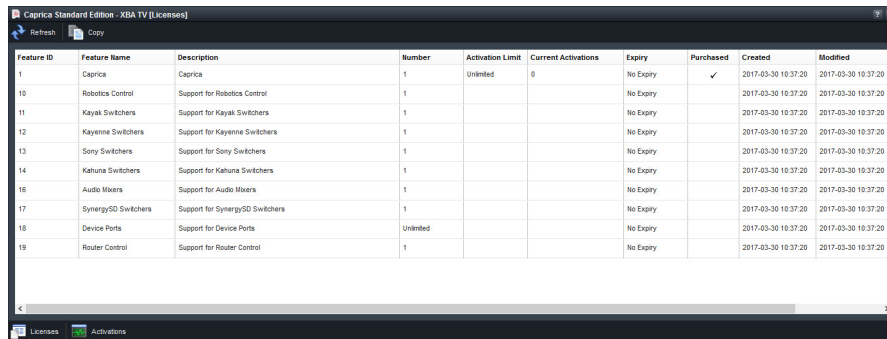
2. Use your Ross Video Activation Server credentials to log in to the web page.
3. In the **License** section of the main toolbar, click the  **Create License** icon.

The **New License** dialog box opens.

4. Use the **Product** list to select **Caprica**.
5. Use the **Edition** list to select **Standard Edition**.
6. Use the **Type** list to select **Customer**.
7. In the **Customer ID** box, enter the identification number of the licensed customer.
8. In the **PO/Order Number** box, enter the purchase order number associated with the license.
9. In the **Customer Name** box, enter the name of the licensed customer.
10. In the **Description** box, enter the a description of the license.

11. Click **OK**.

The **New License** dialog box closes and a new license opens in the **Licenses** panel.



Feature ID	Feature Name	Description	Number	Activation Limit	Current Activations	Expiry	Purchased	Created	Modified
1	Caprica	Caprica	1	Unlimited	0	No Expiry	<input checked="" type="checkbox"/>	2017-03-30 10:37:20	2017-03-30 10:37:20
10	Robotics Control	Support for Robotics Control	1			No Expiry	<input type="checkbox"/>	2017-03-30 10:37:20	2017-03-30 10:37:20
11	Kayak Switchers	Support for Kayak Switchers	1			No Expiry	<input type="checkbox"/>	2017-03-30 10:37:20	2017-03-30 10:37:20
12	Kayenne Switchers	Support for Kayenne Switchers	1			No Expiry	<input type="checkbox"/>	2017-03-30 10:37:20	2017-03-30 10:37:20
13	Sony Switchers	Support for Sony Switchers	1			No Expiry	<input type="checkbox"/>	2017-03-30 10:37:20	2017-03-30 10:37:20
14	Kahuna Switchers	Support for Kahuna Switchers	1			No Expiry	<input type="checkbox"/>	2017-03-30 10:37:20	2017-03-30 10:37:20
16	Audio Mixers	Support for Audio Mixers	1			No Expiry	<input type="checkbox"/>	2017-03-30 10:37:20	2017-03-30 10:37:20
17	SynergySD Switchers	Support for SynergySD Switchers	1			No Expiry	<input type="checkbox"/>	2017-03-30 10:37:20	2017-03-30 10:37:20
18	Device Ports	Support for Device Ports	Unlimited			No Expiry	<input type="checkbox"/>	2017-03-30 10:37:20	2017-03-30 10:37:20
19	Router Control	Support for Router Control	1			No Expiry	<input type="checkbox"/>	2017-03-30 10:37:20	2017-03-30 10:37:20

12. Click in the **Purchased** cell associated with the **Feature ID 18**.

13. Press the **Space Bar**.

The Ross Video Activation Server displays a check box in the selected **Purchased** cell.

14. Select the **Purchased** check box.

15. Click any other cell in the **Licenses** panel.


The Ross Video Activation Server displays a check mark in the selected **Purchased** cell and adds **Feature ID 18** to the license.

16. Verify that the **Purchased** cell displays a check mark for **Feature ID 1**.

When a **Purchased** cell associated with a **Feature ID** does not contain a check mark, follow steps **12** to **15** to add the feature to the license.

17. In the **Licenses** panel toolbar, click the  **Copy** icon.

The Ross Video Activation Server copies the product key for the new license to the clipboard. You can paste the product key in a text file to hold the product key while you transfer it to the Caprica Server.

18. In the **Logout** section of the main toolbar, click the  **Logout** icon.

Activate a Caprica Server Product Key

Ross Video uses product keys to manage user licenses for Caprica Server features.

- ★ When you activate a Caprica Server product key, your Ross Licensing Service computer must contact the Ross Video Activation Server through the internet.

Internet Accessible

When your Streamline Play system has access to the internet, the Ross Licensing Service can directly communicate with the Ross Video Activation Server to active your Caprica Server product key and license Caprica Server software.

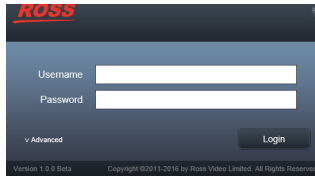
To activate a Caprica Server product key for a Streamline Play system connected to the internet

1. Verify that the **Ross Licensing Service** computer can connect to the Internet.
2. In a web browser, use the following URL to open the Ross Licensing Service web page:

http://<Streamline Server IP>:3030

Replace **<Streamline Server IP>** with the IP address of the Streamline Server.

The **Ross Licensing Service Login** web page opens.




3. In the **Ross Licensing Service Login** dialog box, enter the following user name and password in the provided boxes:

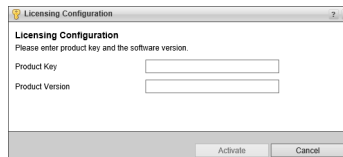
- **Username** — root
- **Password** — password

4. Click **Login**.

The **Ross Licensing Service** web page opens.

5. In the **Licensing** section of the main toolbar, click the  **Activate License** icon.

The **Licensing Configuration** dialog box opens.



6. In the **Product Key** box, paste the product key created in the procedure “**To create a Caprica Server license**” on page 4–2.
7. In the **Product Version** box, enter **3.2**.
8. Click **Activate**.
After activating the entered Caprica Server product key, an **Alert** dialog box opens requesting a web browser window refresh.
9. Click **OK**.
10. Use the activated Caprica Server product key in the procedure “**To install OverDrive feature licenses on the OverDrive Server:**” on page 4–13 to license Caprica Server features on your Caprica Server.

Private Network

When your Streamline Play system cannot access the internet, you must use the Ross Offline Licensing Tool to communicate over the internet with the Ross Video Activation Server.

Install Ross Offline Licensing Tool Software

Before you can license a Streamline Play system that cannot access the internet, you must install the Ross Offline Licensing Tool on a computer that can communicate over the internet with the Ross Video Activation Server.

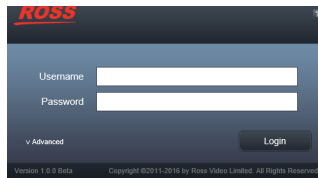
To install the Ross Offline Licensing Tool

1. Connect a **USB Flash Drive** to the **Ross Licensing Service** computer.
2. In a web browser, use the following URL to open the Ross Licensing Service web page:

http://<Streamline Server IP>:3030

Replace **<Streamline Server IP>** with the IP address of the Caprica Server.

The **Ross Licensing Service Login** web page opens.




3. At the **Ross Licensing Service Login** screen, enter the following user name and password in the provided boxes to log in as an Administrator:

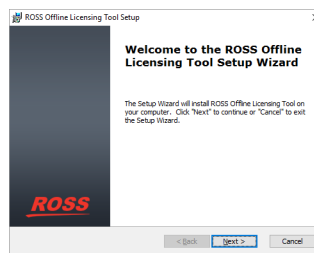
- **Username** — root
- **Password** — password

4. Click **Login**.

The **Ross Licensing Service** web page opens.

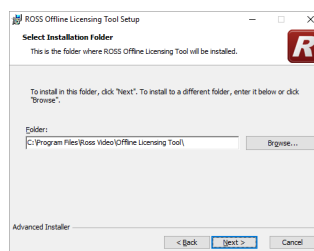
5. In the **Tools** section of the main toolbar, click the  **Download Ross Offline Licensing Tool** icon.
6. Save the **offline-licensing-tool.msi** installer file to a **USB Flash Drive**.
7. Connect the **USB Flash Drive** to a computer that can communicate over the internet with the Ross Video Activation Server.
8. On the **USB Flash Drive**, double-click the **offline-licensing-tool.msi** installer file.

The **Ross Offline Licensing Tool Setup** wizard opens



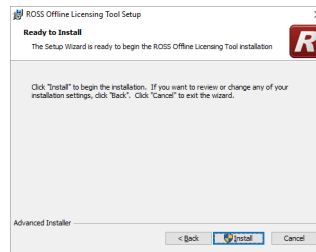
9. Click **Next**.

The **Select Installation Folder** screen opens.



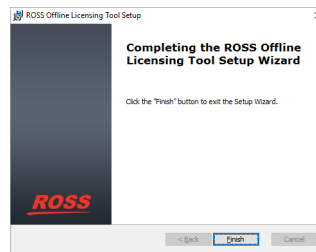
10. Click **Next**.

The **Ready to Install** screen opens.



11. Click **Install**.

After installation of the Ross Licensing Service is complete, the **Installation Complete** screen opens.



12. Click **Finish**.

The **Ross Licensing Service Setup** wizard closes.

License a Caprica Server on a Private Network

After you install the Ross Offline Licensing Tool on a computer that can communicate with the Ross Activation Server, you are ready to activate a Caprica Server product key for your Streamline Play system.

- ★ You must generate an activation file from each Ross Licensing Service computer in your Streamline Play system and active the matching license file for each Ross Licensing Service.

To activate a Caprica Server product key for a Streamline Play system on a private network

1. Connect a **USB Flash Drive** to the **Ross Licensing Service** computer.
2. On the Desktop of a **Ross Licensing Service** computer, double-click the **Ross Licensing Service** icon.

The **Ross Licensing Service Login** screen opens.




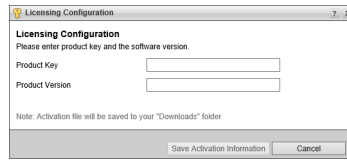
3. At the **Ross Licensing Service Login** screen, enter the following user name and password in the provided boxes to log in as an Administrator:

- **Username** — root
- **Password** — password

4. Click **Login**.

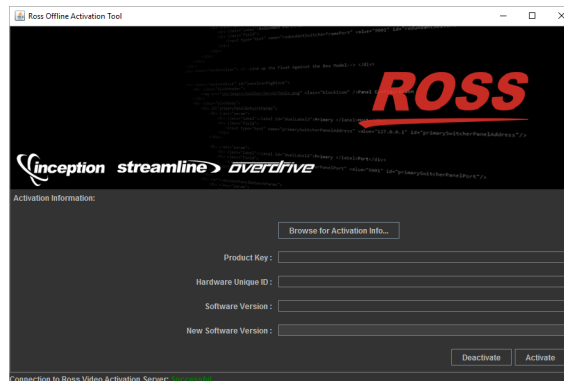
The **Ross Licensing Service** web page opens.

- In the **Licensing** section of the main toolbar, click the  **Activate License** icon.
The **Licensing Configuration** dialog box opens.



- In the **Product Key** box, paste the product key created in the procedure “**To create a Caprica Server license**” on page 4–2.
- In the **Product Version** box, enter **1 . 0**.
- Click **Save Activation Information**.
The **Licensing Configuration** dialog box closes and the Ross Licensing Service saves a **license.activation** file to your **Downloads** folder.
- Copy the **license.activation** file from your **Downloads** folder to the **USB Flash Drive** connected to the **Ross Licensing Service** computer.
- Disconnect the **USB Flash Drive** from the **Ross Licensing Service** computer.
- Connect the **USB Flash Drive** to the computer that you installed the **Ross Offline Licensing Tool**.
- On the Desktop of the **Ross Offline Licensing Tool** computer, double-click the **Ross Offline Licensing Tool** icon.


The **Ross Offline Activation Tool** opens.



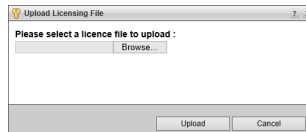
- In the **Ross Offline Activation Tool**, click **Upload Activation info**.
The **Open** dialog box opens.
- Use the **Open** dialog box to select the **Locate** and open the **license.activation** file to the **USB Flash Drive**.
- Click **Open**.
The **Ross Offline Activation Tool** displays the **Product Key**, **Hardware Unique ID**, and **Software Version** contained in the selected **license.activation** file.
- Click **Activate**.
The **Specify a file to save license file** dialog box opens.
- Select the **USB Flash Drive** as the location to save the license file.

18. In the **File Name** box, enter a file name for the license file.
19. Click **Save**.

The **Ross Offline Activation Tool** saves a license file for the **Ross Licensing Service** to the **USB Flash Drive**.

20. Disconnect the **USB Flash Drive** from the **Ross Offline Licensing Tool** computer.
21. Connect the **USB Flash Drive** to the **Ross Licensing Service** computer.
22. In the **Ross Licensing Service**, click the  **Browse for License File** icon in the **Licensing** section of the main toolbar.

The **Upload Licensing File** dialog box opens.



23. Click **Browse**.
The **File Upload** dialog box opens.
24. Use the **File Upload** dialog box to select your **license file** from the connected **USB Flash Drive**.
25. Click **Open**.
The **File Upload** dialog box closes and the **Upload Licensing File** dialog box displays the name of the selected license file.
26. Click **Upload**.
After uploading the selected license file, an **Alert** dialog box opens reporting a successful upload.
27. Click **OK**.
The **Alert** and **Upload Licensing File** dialog boxes close.
28. Use the activated Caprica Server product key in the procedure “**To install OverDrive feature licenses on the OverDrive Server:**” on page 4–13 to license Caprica Server features on your Caprica Server.

License Caprica Server Software

Ross Video uses a product key and feature license keys to control user access to Caprica Server features. The Ross Licensing Service verifies the your Caprica Server product key and enables access to the Caprica Server features you purchased from Ross Video.

- ★ Before you can license Caprica Server features, your must activate your Caprica Server product key on the Ross Licensing Service in your Streamline Play system. Refer to the section “**Activate a Caprica Server Product Key**” on page 4–3 for information on activating Caprica Server product keys.

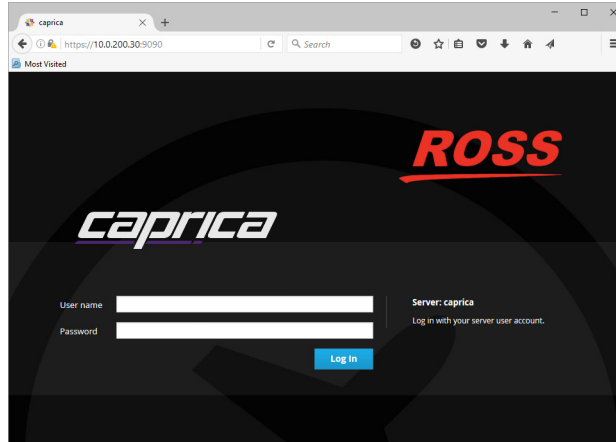
To license a Caprica Server

1. Use a web browser to open the **Caprica** web page URL. The format of the URL is as follows, where `<Caprica Server>` is the hostname or IP address of your **Caprica Server** computer:

```
https://<Caprica Server>:9090
```

If the web browser identifies your connection with the Caprica web page as not secure, add an exception for the Caprica web page.
- ★ If the Caprica web page does not open, your Caprica Server computer is not running the CentOS 7 operating system. Contact Ross Video Technical Support to upgrade the operating system of your Caprica Server computer.

The **Caprica Login** web page opens.



2. Use the following credentials to log in to the **Caprica** web page:

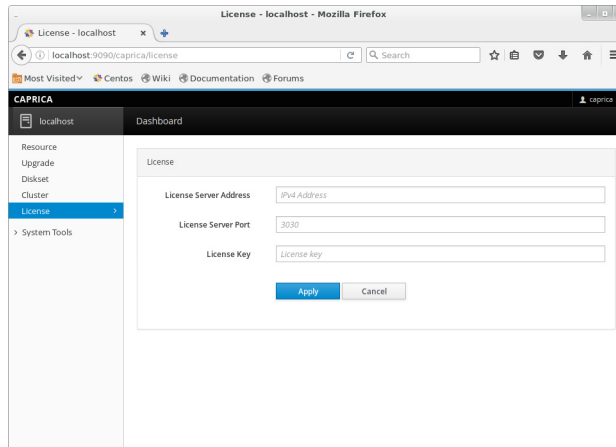
- **User:** caprica
- **Password:** password

3. Click **Log In**.

The **Caprica** web page opens.

4. In the tree view, click **License**.

The **License** web page opens.



5. In the **License** section, enter the IP address or hostname of your **Ross Licensing Service** computer in the **License Server Address** box.

6. In the **License Server Port** box, enter the network port number of Ross Licensing Service.

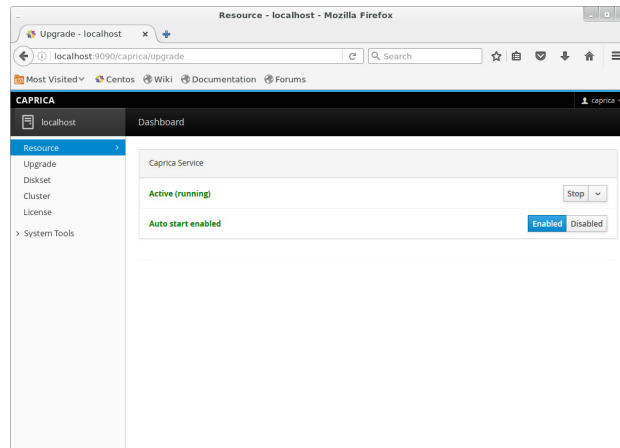
Port 3030 is the default network port for the Ross Licensing Service.

7. In the **License Key** box, paste the product key created in the procedure “**To create a Caprica Server license**” on page 4–2.

8. Click **Apply**.

- In the tree view, click **Resource**.

The **Resource** web page opens.



- In the **Caprica Service** section, use the list to the right of the **Active** Caprica Service to select **Restart**.

Import Caprica Configuration

Streamline Play uses Caprica to communicate with the video server in your Streamline Play system. The Streamline Play software DVD contains diskset files to configure Caprica to communicate with an Abekas 2, 4, 6, or 8 channel video server. After you load the appropriate diskset for your Abekas video server, you must use Dashboard to set the IP address of the video server to enable Caprica to connect with the video server.

Load Configurations from a Diskset File

You can load the configurations contained any diskset file listed in the Diskset section of the Diskset web page into the Caprica Server.

- ★ Loading a configuration from a diskset file replaces the current configuration of the Caprica Server with the configuration contained in the selected diskset file.

To load the configurations from a diskset file on to the Caprica Server

- Insert the **Streamline Play software DVD** into the DVD-ROM drive of the local computer.
- Use a web browser to open the **Caprica** web page URL. The format of the URL is as follows, where `<Caprica Server>` is the hostname or IP address of your **Caprica Server** computer:

```
https://<Caprica Server>:9090
```

The **Caprica Login** web page opens.

- Use the following credentials to log in to the Caprica web page:

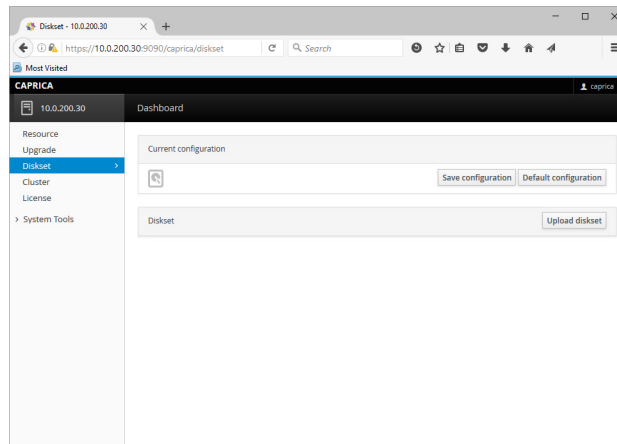
- **User:** caprica
- **Password:** password

- Click **Log In**.

The **Caprica** web page opens.

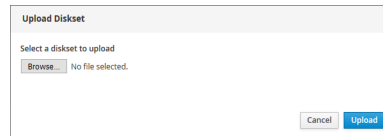
- In the tree view, click **Diskset**.

The **Diskset** web page opens.



- In the **Diskset** section, click the **Upload diskset**.

The **Upload Diskset** dialog box opens.



- Click **Browse**.

The **File Upload** dialog box opens.

- Open the **Caprica Device Interface** folder in the **Streamline Play software DVD**.

- Select the **diskset** file that matches the number of channels on your Abekas video server. The available diskset files are as follows:

- **Caprica-2Channel.tgz** — 2 channel Abekas video server
- **Caprica-4Channel.tgz** — 4 channel Abekas video server
- **Caprica-6Channel.tgz** — 6 channel Abekas video server
- **Caprica-8Channel.tgz** — 8 channel Abekas video server

- Click **Open**.

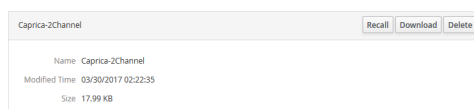
The **File Upload** dialog box closes and the **Upload Diskset** dialog box displays the name of the selected diskset file.

- In the **Upload Diskset** dialog box, click **Upload**.

The **Upload Diskset** dialog box closes and Caprica adds the selected diskset file to the **Diskset** section of the **Diskset** web page.

- In the **Diskset** section, click the **diskset** file to load on to the Caprica Server.

A section opens for the selected configuration file.



- Click **Recall**.

An **Alert** opens.

14. Click **Recall**.

Caprica loads the configuration contained the selected diskset file and automatically restarts to start using the new configuration. Click **Cancel** to cancel loading configurations from the selected configuration file into the Caprica Server.

15. To return to the **Diskset** panel, click **Diskset** in the breadcrumb menu above the configuration file section.

Set the Abekas Video Server Device IP Address

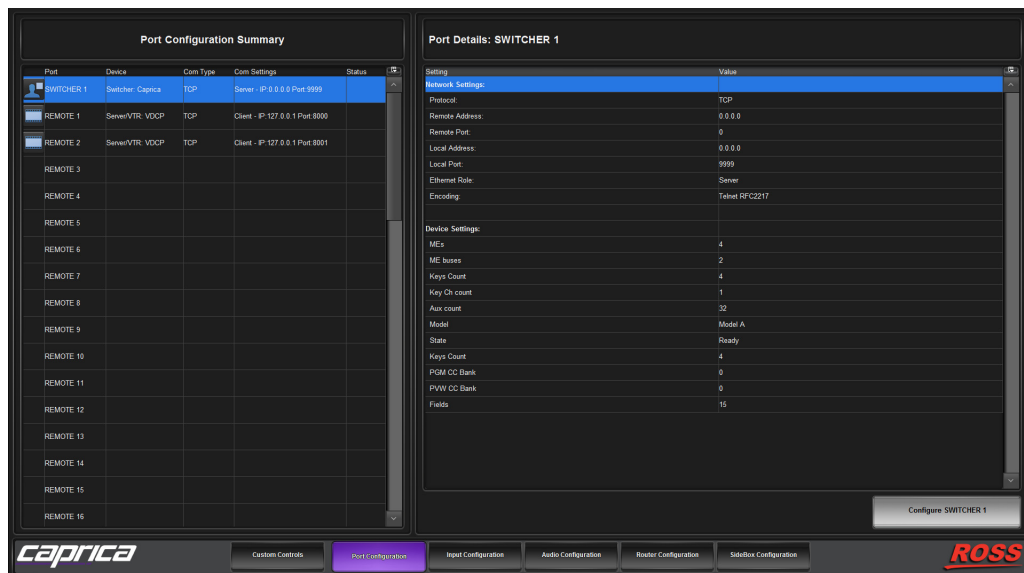
After you load the appropriate diskset for your Abekas video server, you must use Dashboard to set the IP address of the video server to enable Caprica to connect with the video server.

To set the Abekas Video Server Device IP Address

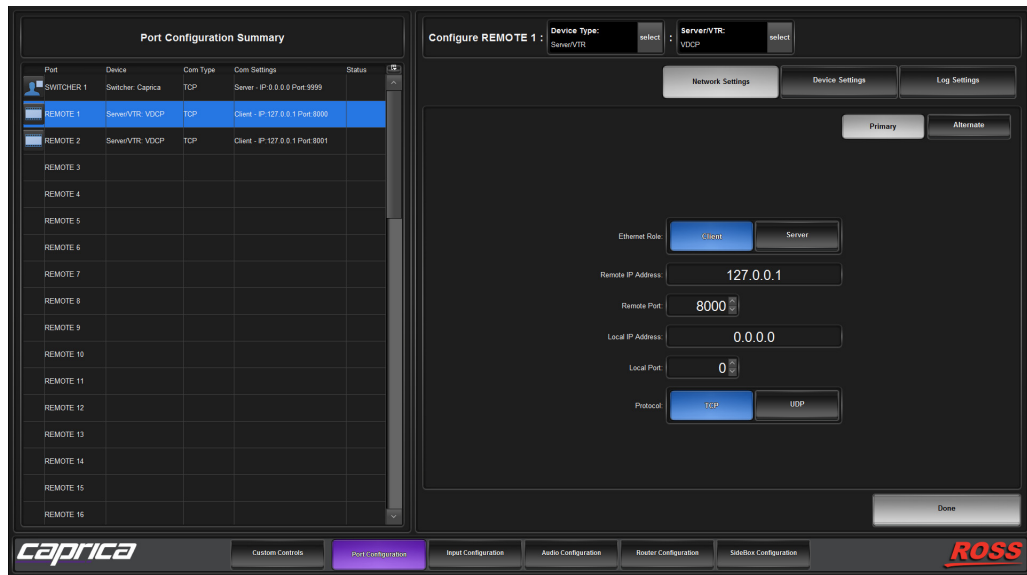
1. Use one of the following methods to launch **Dashboard**:
 - Double-click the **Dashboard** icon on the desktop.
 - Use the **Start** menu to select **All Programs > Dashboard > Dashboard**.
2. In the **Dashboard Tree View**, expand the **Caprica Server** node.
3. In the **Caprica Server** node, expand the **Slot 0: Caprica** node.
4. Double-click the **Port Configuration** node.

The **Port Configuration** client opens in the **Device View**.
5. Use the **Window** menu to select **Full Screen**.

The **Port Configuration** client expands to full screen view.



- In the **Port** column of the **Port Configuration Summary** table, double-click **REMOTE 1**.
The **Configure REMOTE 1** panel opens.



- Click **Network Settings**.
- In the **Remote IP Address** box, enter the IP address of the Abekas video server in your Streamline Play system.
- In the **Remote Port** box, enter the port number that the Abekas video server uses to communicate with external applications or devices.
- Click **Apply Changes**.
- Repeat steps **6** to **10** for each device you want to connect to your OverDrive Server.
- Click **Done** to close the **Configure REMOTE #** panel.

Streamline Server Configuration

This chapter provides configuration instructions for the Streamline Server in your Streamline Play system. The following topics are discussed in this chapter:

- Load Templates
- Create a Streamline Server License
- Activate a Streamline Server Product Key
- License Streamline Server Software
- Configure Caprica Communication Settings
- Configure a MOS Gateway for the NRCS
- Configure Templates

Load Templates

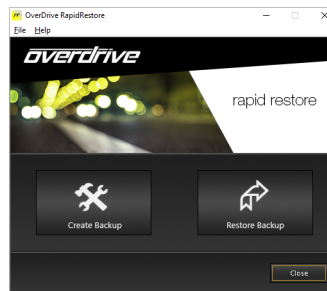
The Sequencer uses Master and Device templates to playout assets from the Abekas video server in the Streamline Play system. The Streamline Play software DVD contains backup files (.odv5) to load Master and Device templates for an Abekas video server with 2, 4, 6, or 8 channels.

★ You must load templates before you license the Streamline Server.

To load templates for the Abekas video server in your Streamline Play system

1. Close the Streamline Server, Streamline MOS Gateway, and Sequencer.
2. Use one of the following methods to start **RapidRestore**:
 - On the desktop, double-click the **RapidRestore** icon.
 - Use the **Start** menu to select **All Programs > OverDrive > RapidRestore**.

The **OverDrive RapidRestore** window opens.

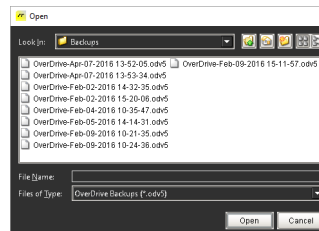


3. Click **Restore From Backup**.

The **Select File** screen opens.

4. Click **Browse** to select the backup file from which to restore OverDrive settings and rundowns.

The **Open** dialog box opens.



5. Open the **Playout Server** folder in the **Streamline Play** DVD.
6. Select the **backup file** that matches the number of channels on your Abekas video server. The available backup files are as follows:

- **Streamline-2Channel.odv5** — 2 channel Abekas video server
- **Streamline-4Channel.odv5** — 4 channel Abekas video server
- **Streamline-6Channel.odv5** — 6 channel Abekas video server
- **Streamline-8Channel.odv5** — 8 channel Abekas video server

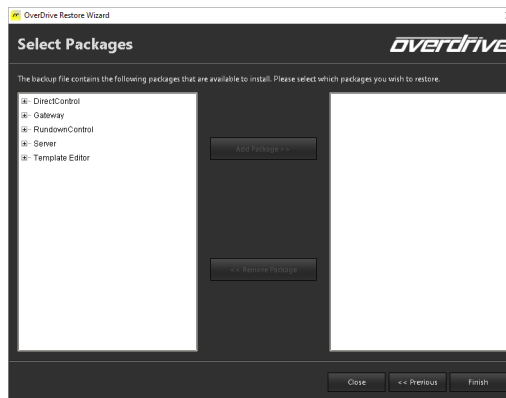
RapidRestore enters the name of the selected file in the **File Name** box.

7. Click **Open**.

The **Open** dialog box closes and RapidRestore enters the full path to the selected backup file in the **File Name** box on the **Select File** screen.

- In the **Select File** screen, click **Next**.

The **Select Packages** screen opens, listing the OverDrive clients that have packages that can be restored from the selected backup file.



- Use the **Package** list on the left to select the **RundownControl** package.

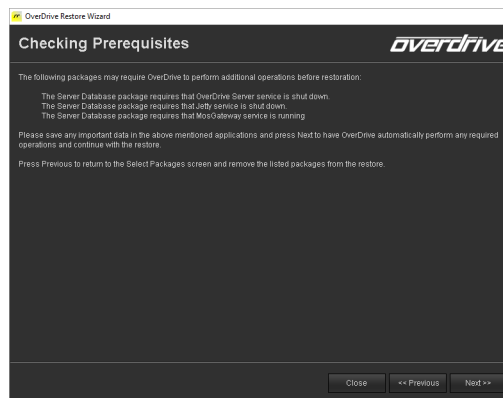
- Click **Add Package**.

RapidRestore adds the **RundownControl** package to the **Restore** list on the right.

- Add the **Server** and **Template Editor** packages to the **Restore** list.

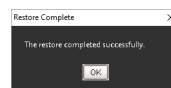
- Click **Finish**.

The **Checking Prerequisites** screen opens.



- Click **Next**.

The **Restoring Backup** screen displays the restore progress. When the restore completes, the **Restore Complete** alert opens.



- Click **OK**.

The alert closes, and the **Restoring Backup** screen displays the results of the restore.

- Click **Close**.

The **OverDrive Restore Wizard** closes.

- In **OverDrive RapidRestore** window, click **Close** to exit RapidRestore.

Create a Streamline Server License

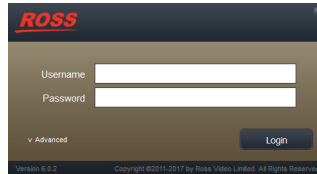
Ross Video uses a product key and feature license keys to control user access to Streamline Server features. Before you can license the Streamline Server in your Streamline Play system, you must create a license on the Ross Video Activation Server for the Streamline Server. After you create a license, you must activate the license on the Streamline Server.


To create a Streamline Server license

1. In a web browser, use the following URL to open the Ross Video Activation Server web page:

`http://activation.rossvideo.com`

The **Ross Video Activation Server Login** web page opens.



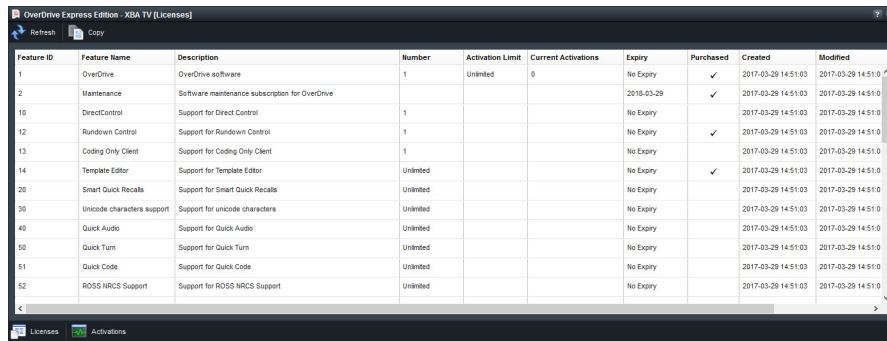
2. Use your Ross Video Activation Server credentials to log in to the web page.
3. In the **License** section of the main toolbar, click the  **Create License** icon.

The **New License** dialog box opens.

4. Use the **Product** list to select **OverDrive**.
5. Use the **Edition** list to select **Express Edition**.
6. Use the **Type** list to select **Customer**.
7. In the **Customer ID** box, enter the identification number of the licensed customer.
8. In the **PO/Order Number** box, enter the purchase order number associated with the license.
9. In the **Customer Name** box, enter the name of the licensed customer.
10. In the **Description** box, enter the a description of the license.

11. Click **OK**.

The **New License** dialog box closes and a new license opens in the **Licenses** panel.



Feature ID	Feature Name	Description	Number	Activation Limit	Current Activations	Expiry	Purchased	Created	Modified
1	OverDrive	OverDrive software	1	Unlimited	0	No Expiry	<input checked="" type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
2	Maintenance	Software maintenance subscription for OverDrive				2018-03-29	<input checked="" type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
10	DirectControl	Support for Direct Control	1			No Expiry	<input type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
12	Random Control	Support for Random Control	1			No Expiry	<input checked="" type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
13	Coding Only Client	Support for Coding Only Client	1			No Expiry	<input type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
14	Template Editor	Support for Template Editor	Unlimited			No Expiry	<input checked="" type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
20	Smart Quick Recalls	Support for Smart Quick Recalls	Unlimited			No Expiry	<input type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
30	Unicode characters support	Support for unicode characters	Unlimited			No Expiry	<input type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
40	Quick Audio	Support for Quick Audio	Unlimited			No Expiry	<input type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
50	Quick Turn	Support for Quick Turn	Unlimited			No Expiry	<input type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
51	Quick Code	Support for Quick Code	Unlimited			No Expiry	<input type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03
52	ROSS NRCS Support	Support for ROSS NRCS Support	Unlimited			No Expiry	<input type="checkbox"/>	2017-03-29 14:51:03	2017-03-29 14:51:03

12. Click in the **Purchased** cell associated with the **Feature ID 52**.

13. Press the **Space Bar**.

The Ross Video Activation Server displays a check box in the selected **Purchased** cell.

14. Select the **Purchased** check box.

15. Click any other cell in the **Licenses** panel.

The Ross Video Activation Server displays a check mark in the selected **Purchased** cell and adds **Feature ID 52** to the license.

16. Repeat steps **12** to **15** to add the following **Feature IDs** to the license:

- **56**
- **57**

17. Click in the **Purchased** cell associated with the **Feature ID 404**.

18. Press the **Space Bar**.

The Ross Video Activation Server displays a selected check box in the **Purchased** cell.

19. Clear the **Purchased** check box.

The Ross Video Activation Server removes **Feature ID 404** from the license.

20. Repeat steps **17** to **19** to add the following **Feature IDs** to the license:

- **407**
- **408**
- **409**
- **410**


21. Verify that the **Purchased** cell displays a check mark for the following **Feature IDs**:

- **1**
- **2**
- **12**
- **14**
- **304**
- **405**
- **406**

When a **Purchased** cell associated with a **Feature ID** does not contain a check mark, follow steps **12** to **15** to add the feature to the license.

22. In the **Licenses** panel toolbar, click the  **Copy** icon.

The Ross Video Activation Server copies the product key for the new license to the clipboard. You can paste the product key in a text file to hold the product key while you transfer it to the Streamline Server.

23. In the **Logout** section of the main toolbar, click the  **Logout** icon.

Activate a Streamline Server Product Key

Ross Video uses product keys to manage user licenses for Streamline Server features.

- ★ When you activate a Streamline Server product key, your Ross Licensing Service computer must contact the Ross Video Activation Server through the internet.

Internet Accessible

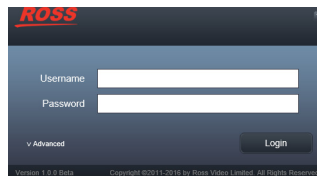
When your Streamline Play system has access to the internet, the Ross Licensing Service can directly communicate with the Ross Video Activation Server to activate your Streamline Server product key and license Streamline Server software.

To activate a Streamline Server product key for a Streamline Play system connected to the internet

1. Verify that the **Ross Licensing Service** computer can connect to the Internet.
2. Use a web browser to open the **Ross Licensing Service** web page URL. The format of the URL is as follows, where <Streamline Server> is the hostname or IP address of your **Streamline Server** computer:

```
http://<Streamline Server>:3030
```

The **Ross Licensing Service Login** web page opens.




3. In the **Ross Licensing Service Login** dialog box, enter the following user name and password in the provided boxes:

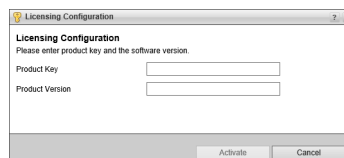
- **Username** — root
- **Password** — password

4. Click **Login**.

The **Ross Licensing Service** web page opens.

5. In the **Licensing** section of the main toolbar, click the  **Activate License** icon.

The **Licensing Configuration** dialog box opens.



6. In the **Product Key** box, paste the product key created in the procedure “**To create a Streamline Server license**” on page 5-4.
7. In the **Product Version** box, enter 1.6.3.

8. Click **Activate**.

After activating the entered Streamline Server product key, an **Alert** dialog box opens requesting a web browser window refresh.

9. Click **OK**.

10. Use the activated Streamline Server product key in the procedure “**To install OverDrive feature licenses on the OverDrive Server:**” on page 4–13 to license Streamline Server features on your Streamline Server.

Private Network

When your Streamline Play system cannot access the internet, you must use the Ross Offline Licensing Tool to communicate over the internet with the Ross Video Activation Server.

Install Ross Offline Licensing Tool Software

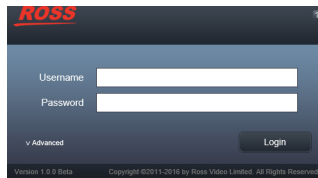
Before you can license a Streamline Play system that cannot access the internet, you must install the Ross Offline Licensing Tool on a computer that can communicate over the internet with the Ross Video Activation Server.

To install the Ross Offline Licensing Tool

1. Connect a **USB Flash Drive** to the **Ross Licensing Service** computer.
2. Use a web browser to open the **Ross Licensing Service** web page URL. The format of the URL is as follows, where `<Streamline Server>` is the hostname or IP address of your **Streamline Server** computer:

```
http://<Streamline Server>:3030
```

The **Ross Licensing Service Login** web page opens.




3. At the **Ross Licensing Service Login** screen, enter the following user name and password in the provided boxes to log in as an Administrator:

- **Username** — `root`
- **Password** — `password`

4. Click **Login**.

The **Ross Licensing Service** web page opens.

5. In the **Tools** section of the main toolbar, click the  **Download Ross Offline Licensing Tool** icon.
6. Save the **offline-licensing-tool.msi** installer file to a **USB Flash Drive**.
7. Connect the **USB Flash Drive** to a computer that can communicate over the internet with the Ross Video Activation Server.

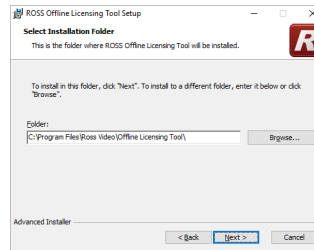
- On the **USB Flash Drive**, double-click the **offline-licensing-tool.msi** installer file.

The **Ross Offline Licensing Tool Setup** wizard opens



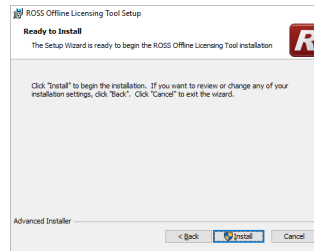
- Click **Next**.

The **Select Installation Folder** screen opens.



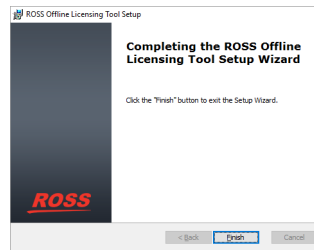
- Click **Next**.

The **Ready to Install** screen opens.



- Click **Install**.

After installation of the Ross Licensing Service is complete, the **Installation Complete** screen opens.



- Click **Finish**.

The **Ross Licensing Service Setup** wizard closes.

License a Streamline Server on a Private Network

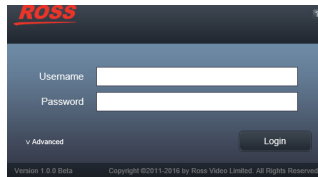
After you install the Ross Offline Licensing Tool on a computer that can communicate with the Ross Activation Server, you are ready to activate a Streamline Server product key for your Streamline Play system.

- ★ You must generate an activation file from each Ross Licensing Service computer in your Streamline Play system and active the matching license file for each Ross Licensing Service.

To activate a Streamline Server product key for a Streamline Play system on a private network

1. Connect a **USB Flash Drive** to the **Ross Licensing Service** computer.
2. On the Desktop of a **Ross Licensing Service** computer, double-click the **Ross Licensing Service** icon.

The **Ross Licensing Service Login** screen opens.




3. At the **Ross Licensing Service Login** screen, enter the following user name and password in the provided boxes to log in as an Administrator:

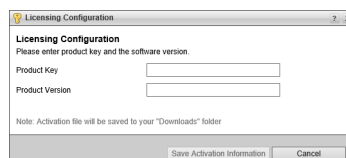
- **Username** — root
- **Password** — password

4. Click **Login**.

The **Ross Licensing Service** web page opens.

5. In the **Licensing** section of the main toolbar, click the  **Activate License** icon.

The **Licensing Configuration** dialog box opens.



6. In the **Product Key** box, paste the product key created in the procedure “**To create a Streamline Server license**” on page 5–4.

7. In the **Product Version** box, enter 1.0.

8. Click **Save Activation Information**.

The **Licensing Configuration** dialog box closes and the Ross Licensing Service saves a **license.activation** file to your **Downloads** folder.

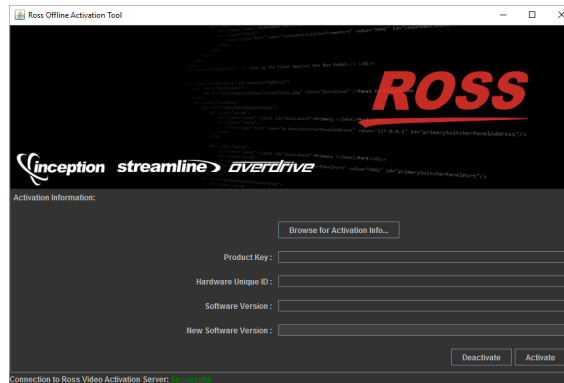
9. Copy the **license.activation** file from your **Downloads** folder to the **USB Flash Drive** connected to the **Ross Licensing Service** computer.

10. Disconnect the **USB Flash Drive** from the **Ross Licensing Service** computer.

11. Connect the **USB Flash Drive** to the computer that you installed the **Ross Offline Licensing Tool**.

12. On the Desktop of the **Ross Offline Licensing Tool** computer, double-click the **Ross Offline Licensing Tool** icon.

The **Ross Offline Activation Tool** opens.



13. In the **Ross Offline Activation Tool**, click **Upload Activation info**.

The **Open** dialog box opens.

14. Use the **Open** dialog box to select the **Locate** and open the **license.activation** file to the **USB Flash Drive**.

15. Click **Open**.

The **Ross Offline Activation Tool** displays the **Product Key**, **Hardware Unique ID**, and **Software Version** contained in the selected **license.activation** file.

16. Click **Activate**.

The **Specify a file to save license file** dialog box opens.

17. Select the **USB Flash Drive** as the location to save the license file.


18. In the **File Name** box, enter a file name for the license file.

19. Click **Save**.

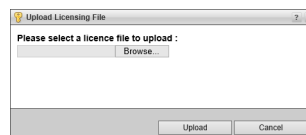
The **Ross Offline Activation Tool** saves a license file for the **Ross Licensing Service** to the **USB Flash Drive**.

20. Disconnect the **USB Flash Drive** from the **Ross Offline Licensing Tool** computer.

21. Connect the **USB Flash Drive** to the **Ross Licensing Service** computer.

22. In the **Ross Licensing Service**, click the  **Browse for License File** icon in the **Licensing** section of the main toolbar.

The **Upload Licensing File** dialog box opens.



23. Click **Browse**.

The **File Upload** dialog box opens.

24. Use the **File Upload** dialog box to select your **license file** from the connected **USB Flash Drive**.

25. Click **Open**.

The **File Upload** dialog box closes and the **Upload Licensing File** dialog box displays the name of the selected license file.

26. Click **Upload**.

After uploading the selected license file, an **Alert** dialog box opens reporting a successful upload.

27. Click **OK**.

The **Alert** and **Upload Licensing File** dialog boxes close.

28. Use the activated Streamline Server product key in the procedure “**To install OverDrive feature licenses on the OverDrive Server:**” on page 4–13 to license Streamline Server features on your Streamline Server.

License Streamline Server Software

Ross Video uses a product key and feature license keys to control user access to Streamline Server features. The Ross Licensing Service verifies the your Streamline Server product key and enables access to the Streamline Server features you purchased from Ross Video.

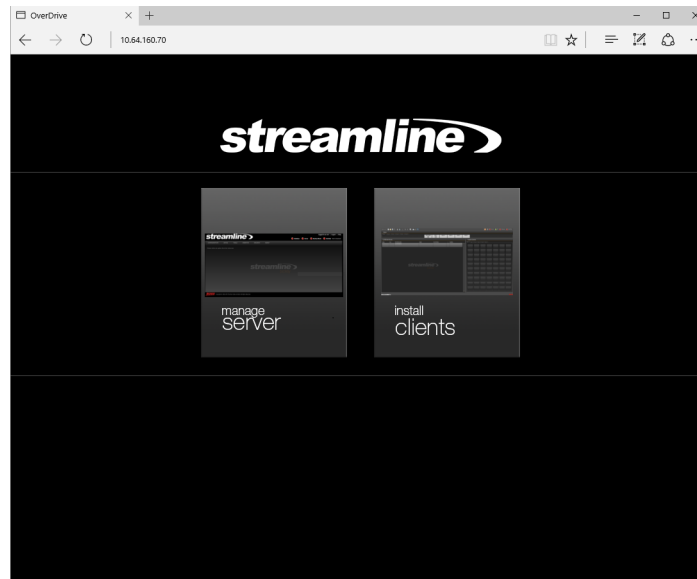
★ Before you can license Streamline Server features, you must activate your Streamline Server product key on the Ross Licensing Service in your Streamline Play system. Refer to the section “**Activate a Streamline Server Product Key**” on page 5–6 for information on activating Streamline Server product keys.

To install Streamline Server feature licenses on the Streamline Server

1. Use a web browser to open the **Streamline Server Web Administration** web page URL. The format of the URL is as follows, where <Streamline Server> is the hostname or IP address of your **Streamline Server** computer:

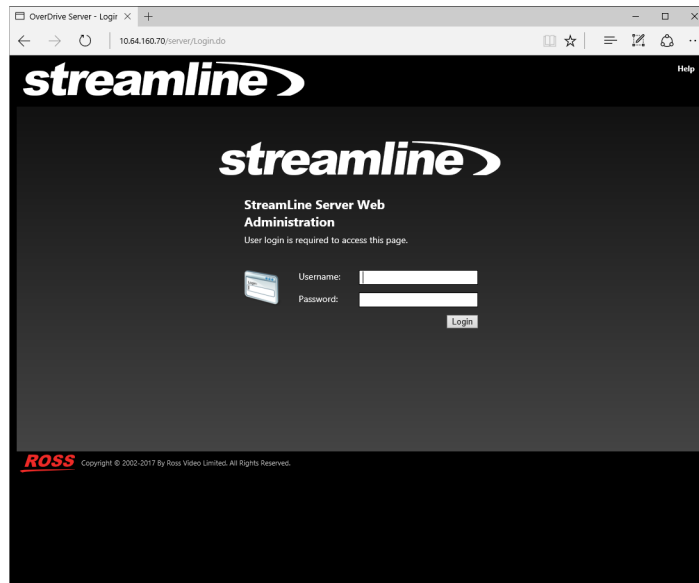
```
http://<Streamline Server>
```

The **Streamline Server** web page opens.



2. Click **Manage Server**.

The **Streamline Server - Login** web page opens in a web browser window.



3. Enter the following user name and password in the provided boxes:

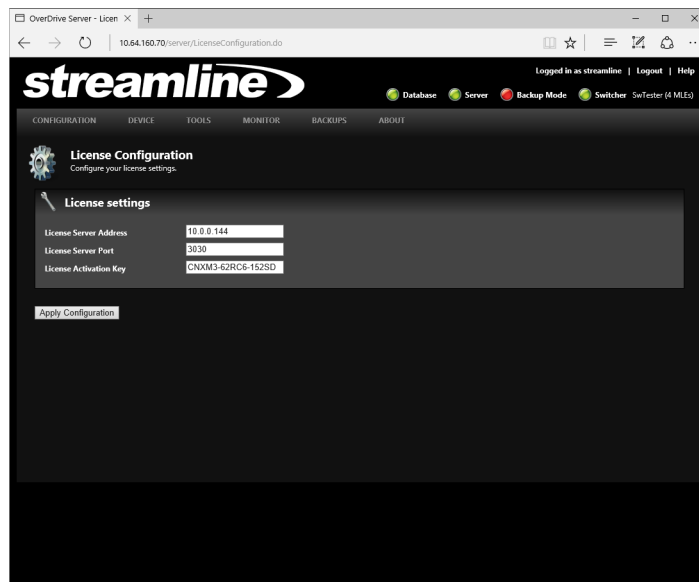
- **Username** — streamline
- **Password** — password

4. Click **Login**.

The **Streamline Server - Main** web page opens.

5. Use the **Configuration** menu to select **License**.

The **License Configuration** web page opens.



6. In the **License Settings** section, enter the IP address or hostname of your **Ross Licensing Service** computer in the **License Server Address** box.
7. In the **License Server Port** box, enter the network port number of Ross Licensing Service.
Port 3030 is the default network port for the Ross Licensing Service.

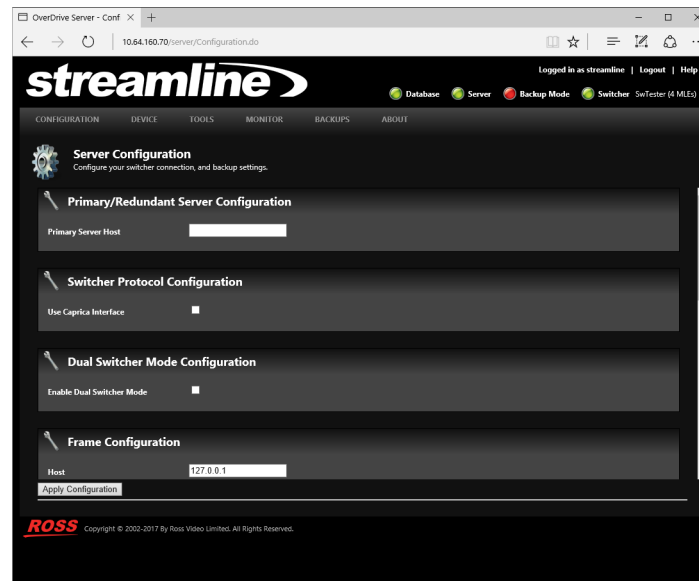
8. In the **Product Key** box, paste the product key created in the procedure “**To create a Streamline Server license**” on page 5–4.
9. Click **Apply Configuration**.
10. Restart your Streamline Play system.

Configure Caprica Communication Settings

The Server Configuration web page enables you to configure the Streamline Server to communicate with the Caprica Server in your Streamline Play system.

To configure your Streamline Server to communicate with the Caprica Server

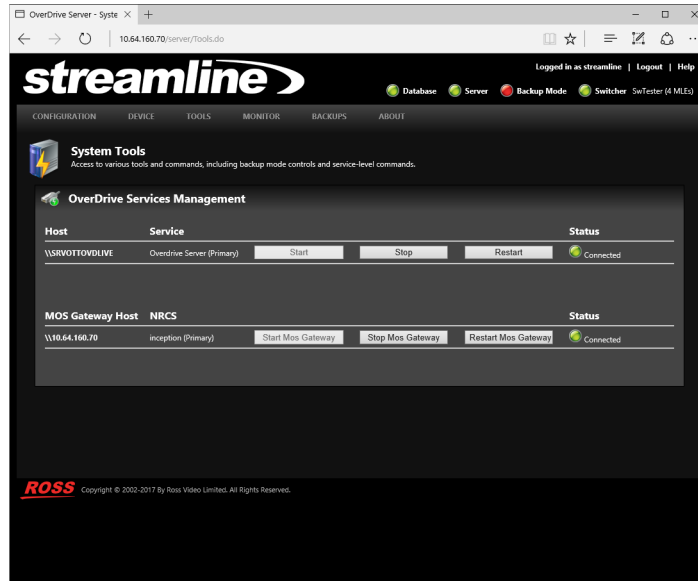
1. In the **OverDrive Server** web page, use the **CONFIGURATION** menu to select **Server**.
The **Server Configuration** web page opens.



2. In the **Switcher Protocol Configuration** section, select the **Use Caprica Interface** check box.
The **Caprica Interface Connection** section opens.
3. In the **Caprica Interface Connection** section, enter the IP address of the Caprica Server or Caprica Server Cluster in the **Host** box.
To view the IP address of the Caprica Server, hover your mouse over the **Caprica Server** node in the **DashBoard Tree View**.
 - ★ The default port number 12345 in the **Network Port** box should not be changed. If you need to change the network port number, please contact Ross Video Technical Support. Refer to the section “**Contacting Technical Support**” on page 1–3 for contact details.
4. Click **Apply Configuration** to save and apply the frame and panel port settings.

5. Use the **TOOLS** menu to select **System Services**.

The **System Tools** web page opens.



6. In the **OverDrive Services Management** section, click **Restart**.

Caprica is connected to your Streamline Server when the **Switcher** LED icon at the top of the OverDrive Server Web Administration web page turns green.

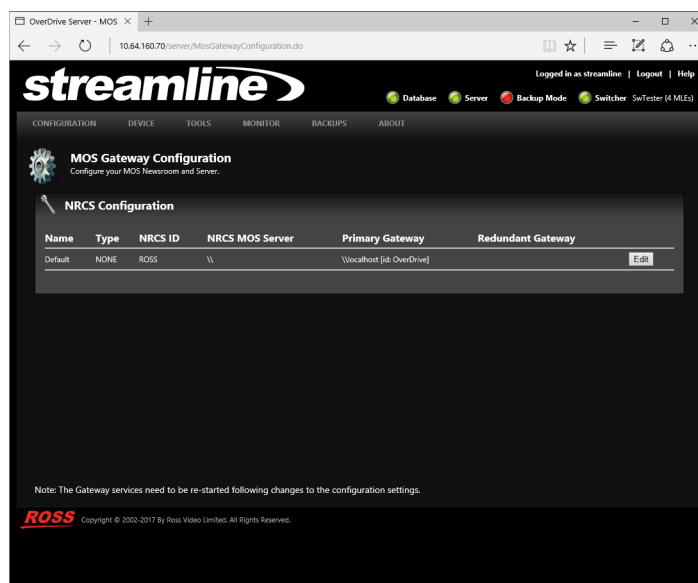
Configure a MOS Gateway for the NRCS

To enable Streamline Server to connect with the NRCS in your Streamline Play system, you need to configure a MOS Gateway for the NRCS.

To configure MOS Gateway settings for an NRCS:

1. Use the **Configuration** menu to select **Gateway**.

The **MOS Gateway Configurations** page opens, listing the MOS Gateways on an OverDrive system.



2. In the **NRCS Configuration** section of the **MOS Gateway Configurations** page, click **Edit** to the right of the **Default** MOS Gateway.

The **Edit NRCS** section opens.

Edit NRCS	
NRCS Configuration Name	Default
Newsroom System	None
Primary	Redundant
NRCS ID	
OD GW Host Address	
OD MOS ID	
OD MOS Low Port	10540
OD MOS High Port	10541

3. Use the **Newsroom System** list to select the NRCS to use in the your production environment.
4. Select the **Enable MOS command control in gateway** check box to add the **Command** section to the **Rundown Info** tab. Clear this check box to hide the **Command** section in the **Rundown Info** tab. This check box is cleared by default.

You can use the **Command** section to monitor MOS Messages and troubleshoot communications between the NRCS and OverDrive.
5. Verify that the **Send MOS Heartbeats to NCS** check box is selected to send heartbeat data to the NRCS selected from the **Newsroom System** list. The NRCS uses heartbeat information to verify network and gateway continuity.
- ★ You should only clear the **Send MOS Heartbeats to NCS** check box under the direction of Ross Video Technical Support when troubleshooting connectivity issues between your NRCS and OverDrive.
6. Configure **QNews v1.5** or **QNews** specific settings. The following setting is only available when you select **QNews v1.5** or **QNews** from the **Newsroom System** list:
 - **Remove Rundown when MOS server stops exporting** — select this check box to make the MOS Gateway remove the NRCS rundown when it receives a remove message from the MOS Server. This option is selected by default.
7. In the **Primary** section, enter the ID that OverDrive uses to access the NRCS in the **NRCS ID** box. Refer to the NRCS client for the correct NRCS ID.
8. In the **NRCS MOS Server Host Address** box, enter the hostname or IP address of the NRCS server computer. The **NewStar** NRCS does not require this setting.
9. In the **OD GW Host Address** box, enter the host name or IP address of the computer running the primary MOS Gateway.
10. In the **OD MOS ID** box, enter the MOS ID assigned to the OverDrive Primary system by the NRCS.
11. In the **MOS Low Port** box, confirm the default value of **10540**.

Changing the port number of the **MOS Low Port** setting stops all running services and disconnects all clients from the MOS Gateway. Ross Video recommends using the default port number unless otherwise specified.

12. In the **MOS High Port** box, confirm the default value of **10541**.

Changing the port number of the **MOS High Port** setting stops all running services and disconnects all clients from the MOS Gateway. Ross Video recommends using the default port number unless otherwise specified.

13. When your OverDrive system contains a Redundant MOS Gateway, use the **Redundant** section, **Redundant/Buddy** for **ENPS**, to configure the following settings for the Redundant MOS Gateway:

- a. For the **ENPS NRCS**, enter the NRCS ID for the ENPS Buddy MOS Server in the **NRCS ID** box.
- b. In the **NRCS MOS Server Host Address** box, enter the hostname or IP address of the Redundant NRCS server computer. For the **ENPS NRCS**, enter in this box the hostname or IP address of the ENPS Buddy Server.

The **NewStar** NRCS does not require this setting.

- c. In the **OD GW Host Address** box, enter the host name or IP address of the computer running the Redundant MOS Gateway.
- d. In the **OD MOS ID** box, enter the MOS ID assigned to the OverDrive Redundant system by the NRCS.
- e. In the **MOS Low Port** box, confirm the default value of **10540**.

Changing the port number of the **MOS Low Port** setting stops all running services and disconnects all clients from the Redundant MOS Gateway. Ross Video recommends using the default port number unless otherwise specified.

- f. In the **MOS High Port** box, confirm the default value of **10541**.

Changing the port number of the **MOS High Port** setting stops all running services and disconnects all clients from the Redundant MOS Gateway. Ross Video recommends using the default port number unless otherwise specified.

14. Click **Save**.

OverDrive saves the MOS Gateway settings and the **Edit NRCS** section closes.

15. Use the **TOOLS** menu to select **System Services**.

The **System Tools** web page opens.

16. In the **OverDrive Services Management** section, click **Restart Mos Gateway**.

Configure Templates

Each Device template requires a MOS ID and each MOS ID requires an association with a default template. The Template Editor enable you to edit the MOS ID settings for Device templates.

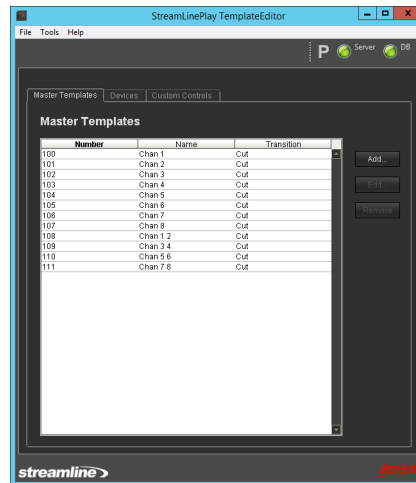
Set the Template Editor Network Connection

Before you can use the Template Editor to edit templates, you must configure the Template Editor to connect to the Streamline Server in your Streamline Play system.

To configure network connection properties for TemplateEditor:

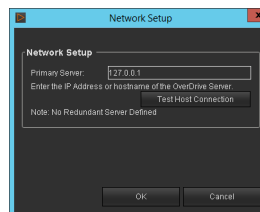
1. Use one of the following methods to start **TemplateEditor**:
 - On the desktop, double-click the **TemplateEditor** icon.
 - Use the **Start** menu to select **All Programs > OverDrive > TemplateEditor**.

TemplateEditor opens.



2. Use the **Tools** menu to select **Network Setup**.

The **Network Setup** dialog box opens.



3. In the **Networks Settings** section, enter the IP address or hostname of the Streamline Server in the **Primary Server** box.
4. Click **Test Host Connection**.

The Template Editor tests the connection to the set **Primary Server**, and reports one of the following results:

- **Succeeded** — **TemplateEditor** is connected to the set Primary Server.
- **Failed** — **TemplateEditor** could not connect to the set Primary Server.

5. Click **OK** to save connection properties and close the **Network Setup** dialog box.

The **Server** status LED icon in **TemplateEditor** dialog box turns green when TemplateEditor connects to the selected OverDrive Server.

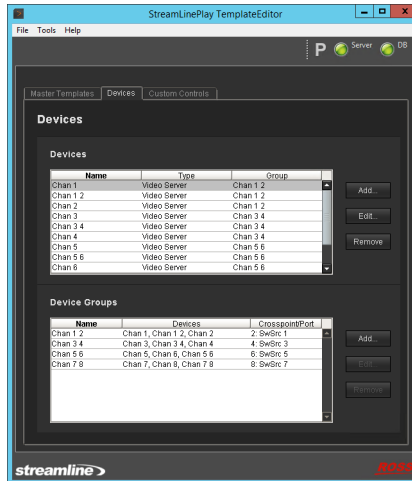
Set Device Template MOS ID

For each video server Device template defined for your Streamline Play system you have to set the MOS ID for the video server.

To set the MOS ID for a video server Device template

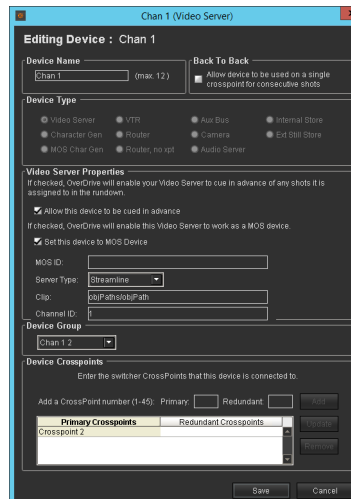
1. In the **TemplateEditor**, click the **Devices** tab.

The **Devices** tab opens.



2. Use the **Devices** list to select a **video server Device** template to edit.
3. Click **Edit**.

The **Editing Device** dialog box opens.



4. In the **Video Server Properties** section, enter the MOS ID of your Abekas video server in the **MOS ID** box.
5. Click **Save** to save the MOS ID set for the video server.
The **Editing Device** dialog box closes.
6. For each video server Device template in the **Devices** tab **Devices** list, repeat steps 2 to 5 to set the MOS ID.

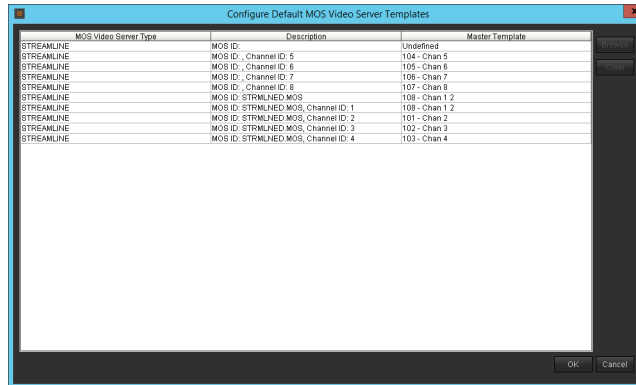
Select the Default MOS Template of a Device

The TemplateEditor does not automatically create a Master Template for MOS Video Server devices. For each video server Device template defined for your Streamline Play system you have to select a Master Template for the video server.

To select a Master Template for a MOS video server Device template

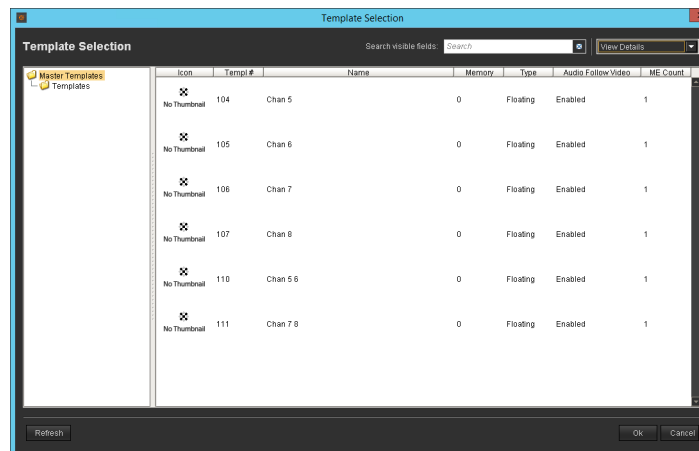
1. In the **TemplateEditor**, use the **Tools** menu to select **Configure MOS Video Server Templates**.

The **Configure MOS Video Server Templates** dialog box opens.



2. In the **MOS Video Server Type** column, select the type of MOS Video Server device for which you want to select a default Master Template.
3. Click **Browse**.

The **Template Selection** dialog box opens displaying the Master Templates that use the selected type of MOS Video Server device in at least one ME.



4. Select the **Master Template** to use as the default Master Template for the selected type of MOS Video Server device.

You can only select one Master Template as the default Master Template for a type of MOS Video Server device.

5. Click the **OK**.

The **Template Selection** dialog box closes. The **Master Template** column in the **Configure MOS Video Server Templates** dialog box displays the name of the Master Template selected for a MOS Video Server type.

6. For each video server Device template listed in the **Configure MOS Video Server Templates** dialog box, repeat steps 2 to 5 to set the MOS ID.

7. To change the default Master Template used by a selected MOS Video Server type, click **Browse**.
8. To remove the default Master Template used by a selected MOS Video Server type, click **Clear**.
9. Click **OK** to save your MOS Video Server type default Master Template settings and close the **Configure MOS Video Server Templates** dialog box.
10. In the **TemplateEditor**, use the **File** menu to select **Exit**.
The **TemplateEditor** closes.
11. Restart the **Streamline Play** system computer.

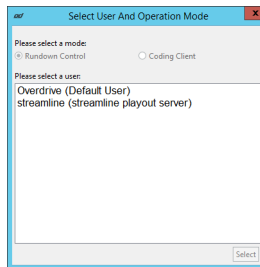
Connect RundownControl with the Streamline Server

Before you can use an instance of RundownControl to open and work with NRCS rundowns, you must set the IP address of the Streamline Server for the instance.

To connect RundownControl with the Streamline Server

1. On the desktop, double-click the **Rundown Control** icon.

When RundownControl contains user profiles in addition to the overdrive (Default User) user profile, the **Select User** dialog box opens. For RundownControl systems that only contain the overdrive (Default User) user profile, skip to the results of step 3.



To work without a user profile during a RundownControl session, do the following:

- a. Click the **Select User** dialog box **Windows Close** button.
- b. Skip to the results of step 3.
2. From the **User** list, select the user profile to work with for the RundownControl session.

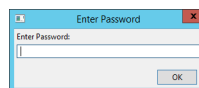
The selected user profile defines the following preferences for the RundownControl session:

- Custom perspective layout
- Hot key assignments
- Timer settings
- Custom Control button assignments
- Rundown table column layout
- Setting on the **Rundown Settings**, **GPI**, and **NRCS Settings** tabs in RundownControl **Options** dialog box.

Any preference changes made during an RundownControl session are saved with the selected user profile.

3. Click **Select User**.

For users that have a password, the **Enter Password** dialog box opens.



To enter a user password, follow these additional steps:

- a. In the **Enter Password** box, enter the password for the selected user profile.
- b. Click **OK**.

RundownControl opens using the user preferences from the selected user profile, displayed in the RundownControl title bar.

4. Use the **Tools** menu to select **Options**.

The **Options** dialog box opens.

5. Click the **Network Settings** tab.

The **Network Settings** tab opens.



6. In the **Networks Settings** section, enter the IP address or hostname of the Streamline Server in the **Primary Server** box.
7. Click **Test Host Connection**.

OverDrive tests the connection between **RundownControl** and the set **Primary Server**, and reports one of the following results:

- **Succeeded** — RundownControl is connected to the set Primary Server.
- **Failed** — RundownControl could not connect to the set Primary Server.

8. Click **OK** to save changes and close the **Options** dialog box.

The **Server** status LED icon turns green when RundownControl connects to the selected Streamline Server.

9. In **Rundown Control**, use the **File** menu to select **Exit**.

The **Exit** dialog box opens.

10. Click **Yes** to exit **RundownControl**.

RundownControl closes.

Inception Configuration

When you use Inception as the NRCS in your Streamline Play system, you must configure Inception MOS devices for the Streamline Play. This chapter provides instructions on how to create MOS devices in Inception. The following topics are discussed in this chapter:

- Create the Streamline Play Edition MOS Device
- Create the Streamline Play MOS Device

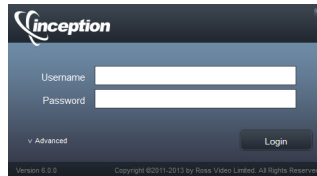
Create the Streamline Play Edition MOS Device

The Streamline Play Edition MOS device enables Inception to communicate with the Streamline component in your Streamline Play system.

To add a the Streamline Play Edition MOS device to Inception

1. In a one of the following supported web browsers, navigate to the Inception web page.
 - Microsoft Internet Explorer® version 9 or greater
 - Mozilla Firefox® version 3.6 or greater
 - Google Chrome™ browser version 17.x or higher
 - Apple Safari® version 5.1.x or greater

The **Login** panel opens.




2. In the **Login** panel, enter your system administrator login credentials in the **Username** and **Password** boxes.
The default system administrator login credentials are as follows:

- **Username** — root
- **Password** — password


3. Click **Login**.

Inception opens.

- ★ When Inception displays a message indicating that the system is in maintenance mode, a system administrator must establish a database connection before you can log in to your Inception Server.

4. On the main toolbar, click the  **Configuration** icon. If the **Configuration** icon is not visible, you are not an administrator and cannot configure the server.

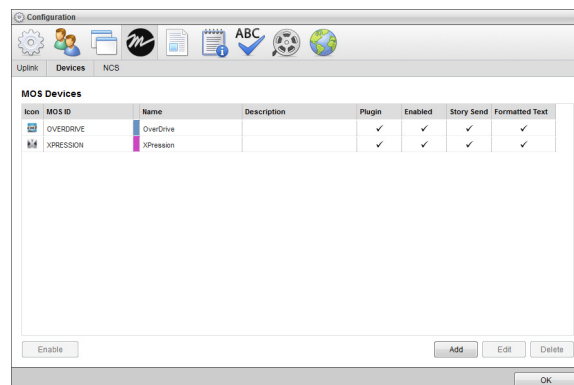
The **Configuration** window opens.

5. On the **Configuration** window toolbar, click the  **MOS** icon.

The **MOS** panel opens.

6. Click the **Devices** tab. If the **Devices** tab is not visible, you do not have an NCS license for your Inception Server and you cannot add MOS devices to your the server.

The **Devices** tab opens.



7. Click **Add**.

The **Create MOS Device** page opens and displays the **Device Settings** section for the new MOS device.

8. Use the **Device** list to select **Ross Streamline**.
9. In the **MOS ID** box, enter the MOS ID of the Streamline component in your Streamline Play system.
10. In the **Host** box, enter the hostname or IP address of the Streamline component in your Streamline Play system.
11. In the **Name** box, enter **Streamline Play Edition**.
12. Click **Next**.

The next page opens and displays the **MOS Plugin** section for the new MOS device.

13. Click **Next**.

The next page opens and displays the **Appearance** and the **MOS Settings** sections for the new MOS device.

14. Use the **Icon** list to select an icon for the Streamline Play Edition MOS device.
15. Click **Save**.

Inception adds the **Streamline Play Edition** MOS device to the **MOS Devices** list.

Create the Streamline Play MOS Device

The Streamline Play Edition MOS device enables Inception to communicate with the Streamline Server component in your Streamline Play system.

To add a the Streamline Play Edition MOS device to Inception

1. In the **Devices** tab of the **Configuration** window, click **Add**.

The **Create MOS Device** page opens and displays the **Device Settings** section for the new MOS device.

2. Use the **Device** list to select **Uncertified Device**.
3. In the **MOS ID** box, enter the MOS ID of the Streamline Server component in your Streamline Play system.
4. In the **Host** box, enter the hostname or IP address of the Streamline Server component in your Streamline Play system.
5. Use the **MOS Version** list to select **2.8.4**.
6. In the **Name** box, enter **Streamline Play**.
7. Select the **Enabled** check box.
8. Click **Next**.

The next page opens and displays the **MOS Plugin** section for the new MOS device.

9. Use the **Plugin** list to select **None**.
10. Click **Next**.

The next page opens and displays the **Appearance** and the **MOS Settings** sections for the new MOS device.

11. Use the **Icon** list to select an icon for the Streamline Play MOS device.
12. Select the **Enable Story Send** check box.
13. Clear the **Enable Placeholders** check box.
14. Clear the **Enable Timing Control** check box.
15. Click **Save**.

Inception adds the **Streamline Play** MOS device to the **MOS Devices** list.

Abekas Video Server Configuration

This chapter provides configuration instructions for the Abekas video server in your Streamline Play system. The following topics are discussed in this chapter:

- Set Up a Watch Folder on the Abekas Video Server

Set Up a Watch Folder on the Abekas Video Server

A watch folder on the Abekas video server stores the media items that Streamline pushes to the video server. The Abekas video server can ingest media items from the watch folder for playout. Settings for the watch folder on the Abekas video server are as follows:

- **Name** — `H:\watch`
- **Share with User** — `streamline`. The streamline users must be a local user with the same password as per the host Streamline user account.