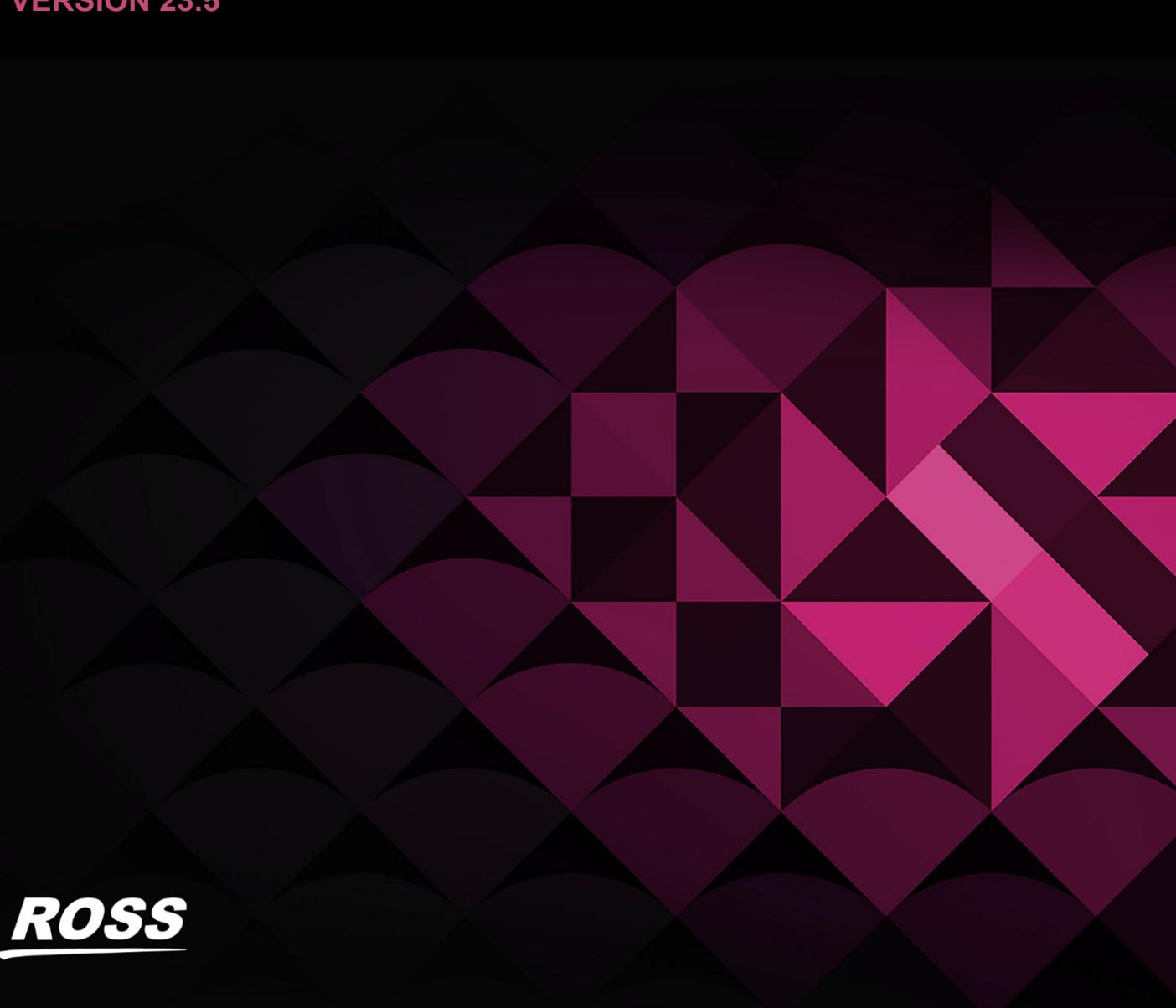




Configuration Guide

VERSION 23.5

A large, abstract graphic in the background is composed of numerous overlapping triangles. The triangles are arranged in a way that suggests depth, with some forming a dark, wavy base and others rising towards the right. The colors of the triangles transition from dark purple and black on the left to bright magenta and pink on the right, creating a vibrant, geometric pattern.

ROSS

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-002-23.5**
- Release Date: November 20, 2025. Printed in Canada.
- Software Issue: **23.5**

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

Copyright

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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.

Notice

The material in this manual is furnished for informational use only. It is subject to change without notice and should not be construed as commitment by Ross Video Limited. Ross Video Limited assumes no responsibility or liability for errors or inaccuracies that may appear in this manual.

Important Regulatory and Safety Notices to Service Personnel

Before using this product and any associated equipment, read all the Important Safety Instructions listed below so as to avoid personal injury and to prevent product damage.

The OverDrive system makes use of a number of individual component products to make up a complete turnkey system. The Important Safety Instructions section of this manual is intended to compliment individual OEM product manuals and the User must refer to, and heed, any safety instruction outline in these supplementary product manuals. Separate manuals are included for the following component products:

- Server PC(s)
- LCD Flat Screen Display(s) & Power Supply

This system may also require specific equipment, and /or installation procedures be carried out to satisfy certain other regulatory compliance requirements. Notices have been included in this publication to call attention to these specific requirements.

Symbol Meanings



Protective Earth — *This symbol identifies a Protective Earth (PE) terminal, which is provided for connection of the supply system's protective earth (green or green/yellow) conductor.*



This symbol on the equipment refers you to important operating and maintenance (servicing) instructions within the Product Manual Documentation. Failure to heed this information may present a major risk of damage or injury to persons or equipment.



Warning — *The symbol with the word "Warning" within the equipment manual indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.*



Caution — *The symbol with the word "Caution" within the equipment manual indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. It may also be used to alert against unsafe practices.*



Warning Hazardous Voltages — *This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product enclosure that may be of sufficient magnitude to constitute a risk of shock to persons.*



ESD Susceptibility — *This symbol is used to alert the user that an electrical or electronic device or assembly is susceptible to damage from an ESD event.*

Important Safety Instructions

- Read these instructions.
- Keep these instructions.
- Heed all warning.
- Follow all instructions.



Warning

The safe operation of this product requires that a protective earth connection be provided. A grounding conductor in the equipment's supply cord provides this protective earth. To reduce the risk of electrical shock to the operator and service personnel, this ground conductor must be connected to an earthed ground.

Use only power cords specified for this product and certified for the country of use. Refer to the Product Power Cord Requirement Section that follows.

Do not defeat safety purpose of the grounding-type plug. A grounding type plug has two blades and a third grounding prong. The third prong is provided for your safety. If the provided plug does not fit in to your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinching particularly at plugs, convenience receptacles, and point where they exit from the apparatus.



Warning

Indoor Use: "WARNING – TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPARATUS TO RAIN OR MOISTURE"

Do not use this apparatus near water.

Do not block any ventilation openings. Install in accordance with manufacturer's instructions.

Do not install near heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

Only use attachments/accessories specified by the manufacturer.

Unplug this apparatus during lightning storms or when unused for long periods of time.

Clean only with a dry cloth.



Warning

Refer all servicing to qualified personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug damage, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



Caution

To reduce the risk of fire, replacement fuses must be the same type and rating.



Warning

This product contains safety critical parts, which if incorrectly replaced may present a risk of fire or electrical shock. Components contained within the product's power supplies and power supply area, are not intended to be customer serviced and should be returned to the factory for repair.

Product Power Cord Requirements



Warning **North American Line Voltages 100 - 120 Volt**

This product is supplied with certified 10A/125V SVT type supply cords.

Conductors are color coded white (neutral), black (line) and green or green/yellow (ground).

Operation of this equipment at line voltages exceeding 130V requires that alternative supply cords with appropriate voltage and current ratings be used.



Warning **International Line Voltages 200 - 240 Volt**

This product has been designed for use with certified IEC 320- C13 10A/250V - H03 VV-F3G 1.00mm² type line cord.

International product orders are supplied with a certified 10A/250V line cords, utilizing a molded 3-pin IEC 320-C13 type connector at one end and stripped conductors on the other. One line cord is provided. Conductors are CEE color coded; blue (neutral), brown (line), and green/yellow (ground).

Installation by a qualified Electrician, of an appropriately approved A/C wall plug certified for the country of use, is required.

Alternatively, other IEC 320 C-13 type power cords may be used, provided that they meet the necessary safety certification requirements for the country in which they are to be used. Refer to the correctly specified line cord above.

EMC Notices

US FCC Part 15

This equipment has been tested and found to comply with the limits for a class A Digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a Commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.



Notice Changes or modifications to this equipment not expressly approved by Ross Video Ltd. could void the user's authority to operate this equipment.

CANADA

This Class "A" digital apparatus complies with Canadian **ICES-003**.

Cet appareil numerique de la classe "A" est conforme a la norme **NMB-003** du Canada.

EUROPE

This equipment is in compliance with the essential requirements and other relevant provisions of **CE Directive 93/68/EEC**.

INTERNATIONAL

This equipment has been tested to **CISPR 22:1997** along with amendments **A1:2000** and **A2:2002** and found to comply with the limits for a Class A Digital device.



Notice This is a Class A product. In domestic environments, this product may cause radio interference, in which case the user may have to take adequate measures.

Warranty and Repair Policy

The OverDrive Live and OverDrive News systems are backed by a comprehensive one-year warranty on all components.



Notice — *Changes or modifications to this equipment not expressly approved by Ross Video Limited could void the user's authority to operate this equipment.*

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

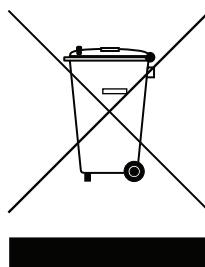
For customers that require a longer warranty period, Ross offers an extended warranty plan to extend the standard warranty period by one year increments. For more information about an extended warranty for your OverDrive system, contact your regional sales manager.

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.

Use of Hazardous Substances in Electrical and Electronic Products (China RoHS)

Ross Video Limited has reviewed all components and processes for compliance to:

“Management Methods for the Restriction of the Use of Hazardous Substances in Electrical and Electronic Products” also known as China RoHS.

The “Environmentally Friendly Use Period” (EFUP) and Hazardous Substance Tables have been established for all products. We are currently updating all of our Product Manuals.

The Hazardous substances tables are available on our website at:

<http://www.rossvideo.com/about-ross/company-profile/green-practices/china-rohs.html>

电器电子产品中有害物质的使用

Ross Video Limited 按照以下的标准对所有组件和流程进行了审查:

“电器电子产品有害物质限制使用管理办法” 也被称为中国RoHS。

所有产品都具有“环保使用期限” (EFUP) 和有害物质表。目前，我们正在更新我们所有的产品手册。

有害物质表在我们的网站:

<http://www.rossvideo.com/about-ross/company-profile/green-practices/china-rohs.html>

Company Address

Ross Video Limited

8 John Street
Iroquois, Ontario
Canada, K0E 1K0

Ross Video Incorporated

P.O. Box 880
Ogdensburg, New York
USA 13669-0880

General Business Office: (+1) 613 • 652 • 4886

Fax: (+1) 613 • 652 • 4425

Technical Support: (+1) 613 • 652 • 4886

After Hours Emergency: (+1) 613 • 349 • 0006

E-mail (Technical Support): techsupport@rossvideo.com

E-mail (General Information): solutions@rossvideo.com

Website: <http://www.rossvideo.com>

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8

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Introduction

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,



Peter Abecassis
Director of Product Management - Production Workflow
peter.abecassis@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: +1-613-686-1557

Toll free within North America: +1 833-859-0499

EMEA

Our EMEA center 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.

International toll free: +800 3540 3545

If the local support specialist is not available, your call will be transferred automatically to our North America center.

Australia

Our Sydney, Australia office is located in Alexandria, NSW.

Our local support telephone number is: 1300 007 677

If the local support specialist is not available, your call will be transferred automatically to our North America center.

Online

E-mail: techsupport@rossvideo.com

Website: open a support request using the link <https://support.rossvideo.com/> 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.

Software Licensing Service

Ross Video uses a product key and feature license keys to control user access to Streamline Play features. The Ross Licensing Service verifies the your Streamline Play product key and enables access on your Streamline Play system to the Streamline Play features your purchased from Ross Video. To verify an Streamline Play product key, the Ross Licensing Service uses the internet to communicate with the Ross Video Activation Server. When the Ross Licensing Service computer does no have access to the internet, you can upload a verified Streamline Play product key from the Ross Offline Licensing Tool that does have internet access.

- ★ When an Streamline Play Server computer has multiple active network adapters (wireless, wired, or multiple NIC cards), disabling an adapter after licensing Streamline Play software may invalidate your Streamline Play product key. To re-license your Streamline Play Server, restart the server and reactivate the product key.

This chapter discusses the following topics:

- Ross Licensing Service Setup
- Ross Licensing Service Software Installation
- Ross Licensing Service Database Software
- Ross Licensing Service Software
- Database Superuser Custom Password
- Activate a Product Key for Streamline Play Software
- Deactivate a Product Key for Streamline Play Software
- View Feature Activations
- Change Your Ross Licensing Service Password
- Backup and Restore Your Ross Licensing Service Database
- Manage Perspectives

Ross Licensing Service Setup

To license the software for your Streamline Play System you must have a Ross Licensing Service computer as part of your system. If your Ross Licensing Service computer falters, a licensed Streamline Play System can continue running for up to seven days without having to connect to the Ross Licensing Service.

The Ross Licensing Service can run on an Streamline Play Server computer in your Streamline Play system or on a separate computer. The position of the Ross Licensing Service computer and the software you need to install depends on the internet accessibility of your Streamline Play system.

Internet Accessible

When your Streamline Play system has access the internet, the Ross Licensing Service can directly communicate with the Ross Video Activation Server.

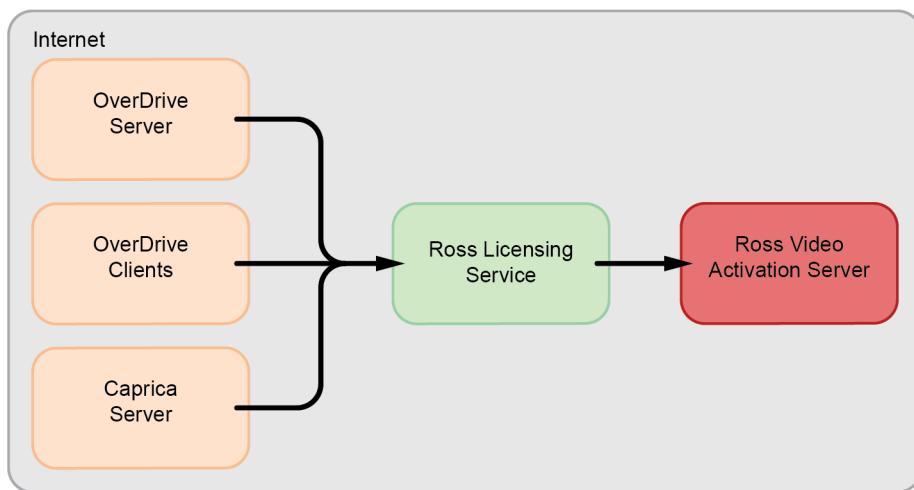


Figure 3.1 Internet Accessible Streamline Play System

Private Network

When your Streamline Play system can not access the internet, you must use the Ross Offline Licensing Tool to communicate over the internet with the Ross Video Activation Server. The Ross Offline Licensing Tool can save a verified Streamline Play product key from the Ross Video Activation Server to USB flash drive. You can plug the USB flash drive into the Ross Licensing Service computers on your private network to load the verified Streamline Play product key to license the software in your Streamline Play system.

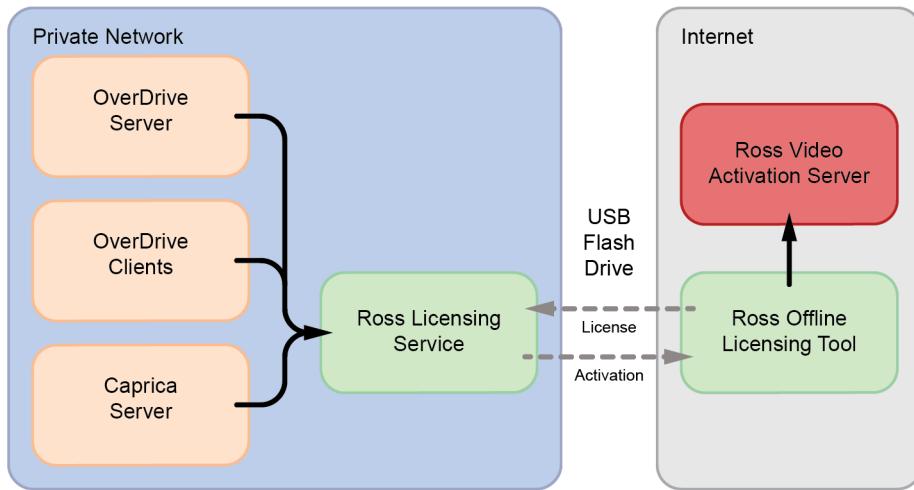


Figure 3.2 Private Network Streamline Play System

Ross Licensing Service Software Installation

The software that you install for the Ross Licensing Service depends on the internet accessibility of your Streamline Play system.

Internet Accessible

When your Streamline Play system has access the internet, install the following software on the Ross Licensing Service computer in your Streamline Play System:

- **Database** — refer to the procedure “**To install PostgreSQL database software on a Ross Licensing Service computer:**” on page 3–3
- **Ross Licensing Service** — refer to the procedure “**To install Ross Licensing Service software:**” on page 3–9

Private Network

When your Streamline Play system can not access the internet, install the following software on the specified computers:

- **Ross Licensing Service Computer**
 - **Database** — refer to the procedure “**To install PostgreSQL database software on a Ross Licensing Service computer:**” on page 3–3.
 - **Ross Licensing Service** — refer to the procedure “**To install Ross Licensing Service software:**” on page 3–9
- **Internet Connected Computer**
 - **Ross Offline Licensing Tool** — refer to the procedure

Ross Licensing Service Database Software

The Ross Licensing Service uses the PostgreSQL database to store and manage licensing data. When you install the Ross Licensing Service on the Streamline Play Server computer, you can use the currently installed PostgreSQL database to store and mange licensing data. When you install the Ross Licensing Service on a separate computer, you must install and configure PostgreSQL database software on the computer before installing the Ross Licensing Service software.

★ PostgreSQL database software must be installed and configured on the Ross Licensing Service computer before you install the Ross Licensing Service software.

Upgrading Ross Licensing Service software to a new version does not require a reinstallation of the PostgreSQL database software.

To install PostgreSQL database software on a Ross Licensing Service computer:

1. On a **Ross Licensing Service** computer, check for the installation of the **PostgreSQL** database software.
When the PostgreSQL database software is installed on the Ross Licensing Service computer, quit this procedure and continue with the procedure “**To create the Ross Licensing Service database:**” on page 3–8.
2. Exit all currently running Windows® applications.
3. Insert the Streamline Play software DVD into the DVD-ROM drive.
4. On the Desktop, open **My Computer**.
5. In the **My Computer** explorer window, open the **DVD-ROM Drive**.
6. Right-click the **postgresql-10.3-3-windows-x64.exe** file and select **Run as administrator** from the **Shortcut** menu.

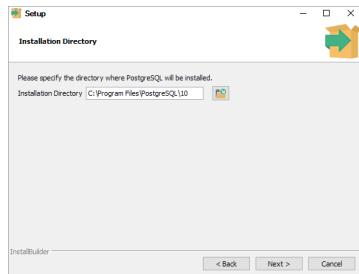


The **Setup** wizard opens.



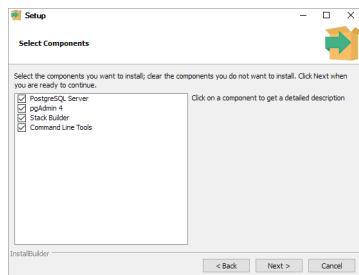
7. Click **Next**.

The **Installation Directory** panel opens.



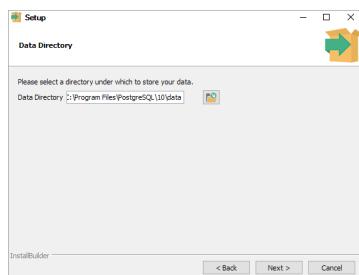
8. Click **Next**.

The **Select Components** panel opens.



9. Click **Next**.

The **Data Directory** panel opens.

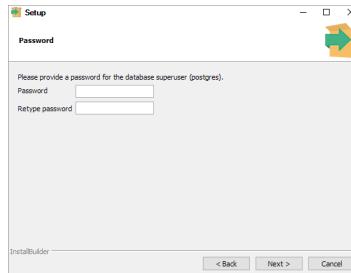


10. Replace the folder name in the **Data Directory** box with the following folder name:

C:\ProgramData\PostgreSQL\10.3\data

11. Click **Next**.

The **Password** panel opens.



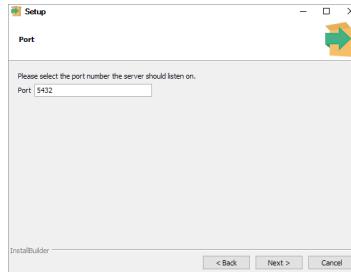
12. In the **Password** box, enter a password for the database super user that meets the password security requirements set by your organization. Remember to replace this password for installing, reinstalling, or upgrading Ross Licensing Service software.

★ For remote support services, Ross Video Technical Support may require your database super user password.

13. In the **Retype Password** box, type the password you set in step **12**.

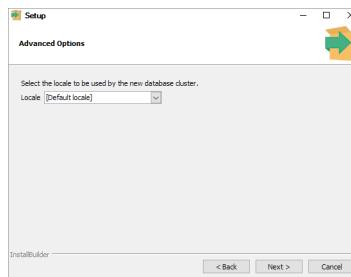
14. Click **Next**.

The **Port** panel opens.



15. Click **Next**.

The **Advanced Options** panel opens.

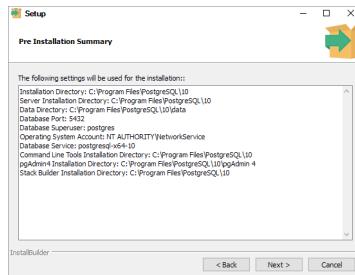


16. Use the **Locale** list to select **[Default locale]**.

The **[Default locale]** option sets the PostgreSQL database locale to the same locale set for the Windows operating system.

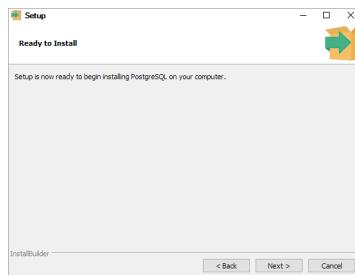
17. Click Next.

The **Pre Installation Summary** panel opens.



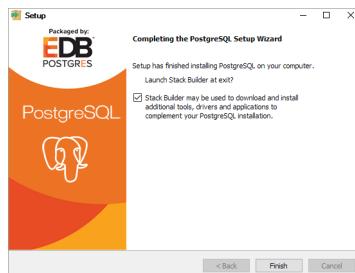
18. Click Next.

The **Ready to Install** panel opens.



19. Click Next.

The **Installing** panel opens. A progress bar displays the installation status. After the installer finishes installing the required files, the **Completing the PostgreSQL Setup Wizard** dialog box opens.



20. Clear the **Stack Builder check box.**

21. Click **Finish.**

The **Setup** wizard closes.

PostgreSQL Database Service User

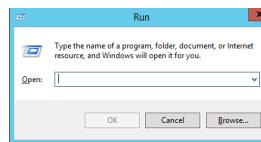
When you install the Ross Licensing Service on the Streamline Play Server computer, you must set the user that runs the PostgreSQL database service before you install Ross Licensing Service software.

- ★ When installing the Ross Licensing Service software on the Streamline Play Server computer, do not change the user that runs the PostgreSQL database service.

To set the user that runs the PostgreSQL database service:

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

The **Run** dialog box opens.

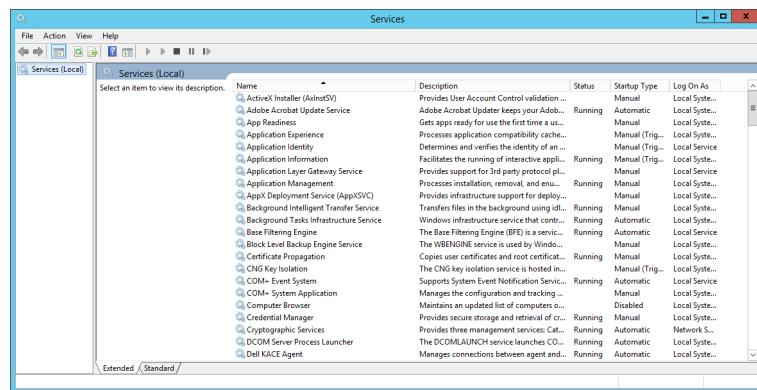


2. In the **Open** box, type the following application name:

`services.msc`

3. Click **OK**.

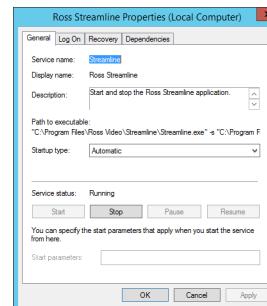
The **Services** window opens.



4. In the **Services** list, locate the **postgresql-x64-10** service.

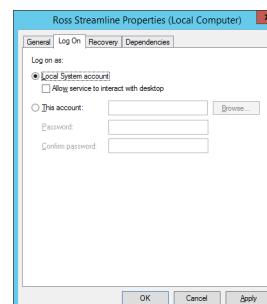
5. Right-click the **postgresql-x64-10** service and select **Properties** from the shortcut menu.

The **postgresql-x64-10 Properties** dialog box opens.



6. Click the **Log On** tab.

The **Log On** tab opens.



7. Select the **Local System Account** option.
8. Click **OK**.

The **Services** alert dialog box opens.

9. In the **Services** alert, click **OK**.

The **Services** alert and the **postgresql-x64-10 Properties** dialog box close.

10. In the **Services** window, click **Restart** for the **postgresql-x64-10** service.
11. Use the **File** menu to select **Exit**.

The **Services** window closes.

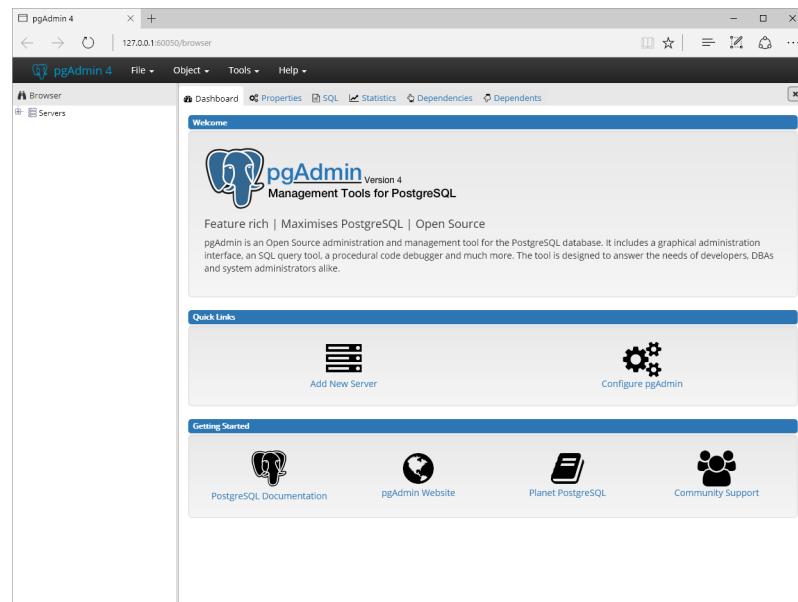
Ross Licensing Service Database

You must create a Postgres database named “licensing_service” before you install Ross Licensing Service software.

To create the Ross Licensing Service database:

1. From the Windows Desktop, use the **Start** menu to select **All Programs > PostgreSQL 10 > pgAdmin 4**.

The **pgAdmin 4** web page opens.

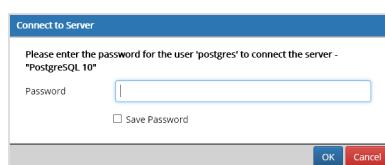


2. In the **Browser** tree view, expand the **Servers** node.

The **Browser** tree view displays the available Postgres servers.

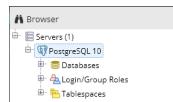
3. Right-click the **PostgreSQL 10** server and select **Connect Server** from the shortcut menu.

The **Connect to Server** dialog box opens.



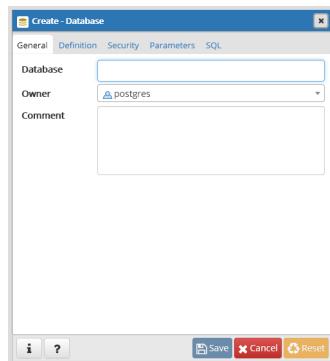
4. In the **Password** box, enter the custom password set during installation of the Ross Licensing Service database software on the Ross Licensing Service computer.
5. Click **OK**.

The **PostgreSQL 10** node expands in the **Object Browser** tree view.



6. In the expanded **PostgreSQL 10** node, right-click the **Databases** node and select **Create > Database** from the shortcut menu.

The **Create - Database** dialog box opens.



7. In the **Database** box, type the following name:

licensing_service

8. Click **OK**.

PostgreSQL adds the **licensing_service** database to the **Databases** node in the **Browser** tree view and the **Properties** tab of the **pgAdmin 4** web page.

9. Close the web browser.

The **pgAdmin 4** web page closes.

Ross Licensing Service Software

After installing and configuring the PostgreSQL database software on the Ross Licensing Service computer, you can install the Ross Licensing Service software on the computer.

To install Ross Licensing Service software:

1. On the Ross Licensing Service computer, exit all currently running Windows® applications.
2. Temporarily disable antivirus software running on the Ross Licensing Service computer.

Some heuristic-based intrusion detection systems prevent the installation of Ross Licensing Service software.

1. Insert the Streamline Play software DVD into the DVD-ROM drive.
2. On the desktop, open **My Computer**.
3. In the **My Computer** explorer window, open the **DVD-ROM Drive**.

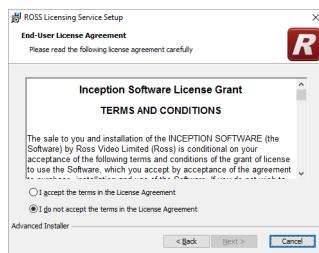
4. Double-click the **LicensingService-X.X.X.X-####.msi** file.

The **Ross Licensing Service Setup** wizard opens



5. Click **Next**.

The **End-User License Agreement** screen opens.



6. Read the **Ross Licensing Service Software License Grant**.

7. Select the **I accept the terms of the License Agreement** option to install Ross Licensing Service software.

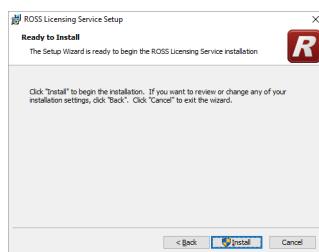
8. Click **Next**.

The **Choose Setup Type** screen opens.



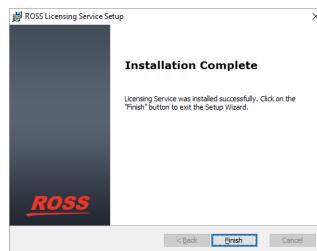
9. Click the **Ross Licensing Service** icon.

The **Ready to Install** screen opens.



10. Click Install.

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



11. Click Finish.

The **Ross Licensing Service Setup** wizard closes and adds the following icons to the Desktop:

- **Ross Licensing Service Readme**
- **Ross Licensing Service Release Notes**
- **Ross Licensing Service**

The Ross Licensing Service starts automatically after the installation of the Ross Licensing Service software.

12. Re-enable antivirus software.

13. Continue with one of the following:

- If your Ross Licensing Service database uses the standard password for the database superuser `postgres`, skip to the section **“Activate a Product Key for Streamline Play Software”** on page 3–13.
- If your Ross Licensing Service database does not use the standard password the database superuser `postgres`, complete the procedure in the section **“Database Superuser Custom Password”** on page 3–11.

Database Superuser Custom Password

During the installation of the PostgreSQL database, you must set the password for the database superuser and service account named `postgres`. If the password set for `postgres` is not the standard password, the installer must configure Ross Licensing Service software to use the set custom password.

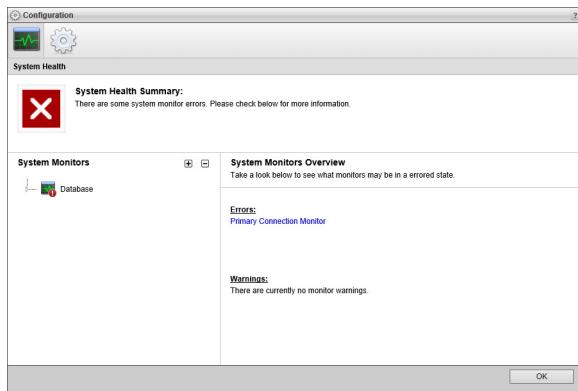
To set a custom `postgres` password:

1. Use one of the following methods to open the **Ross Licensing Service** web page:
 - On the Desktop, double-click the **Ross Licensing Service** icon.
 - Use the **Start** menu to select **All Programs > Ross Licensing Service > Ross Licensing Service**.
2. At the **Ross Licensing Service Login** screen, enter the following user name and password in the provided boxes:
 - **Username** — `maintenance`
 - **Password** — `<maintenance_password>`
3. Click **Login**.

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

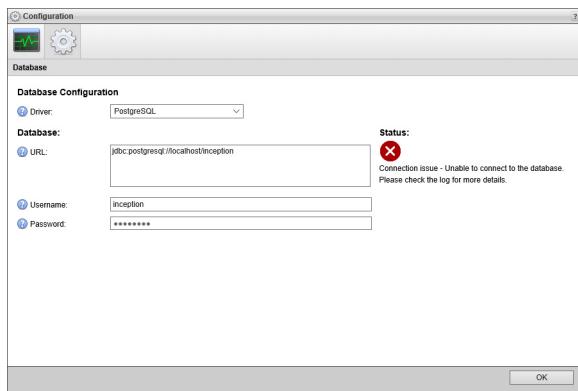
- In the **Tools** section of the main toolbar, click the  **Configuration** icon.

The **System Monitor** panel of the **Configuration** window opens.



- On the **Configuration** window toolbar, click the  **System** icon.

The **System** panel opens.



- In the **Password** box of the **Database** tab, enter the custom password set for the database superuser named **postgres**.

- Click **OK**.

An **Alert** dialog box opens.

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

The **Alert** and **Configuration** dialog boxes close.

- On the main toolbar, click the  **Logout** icon.

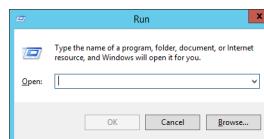
A **Message** dialog box opens.

- In the **Message** dialog box, click **OK** to log out of the Ross Licensing Service.

- Close the web browser.

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

The **Run** dialog box opens.

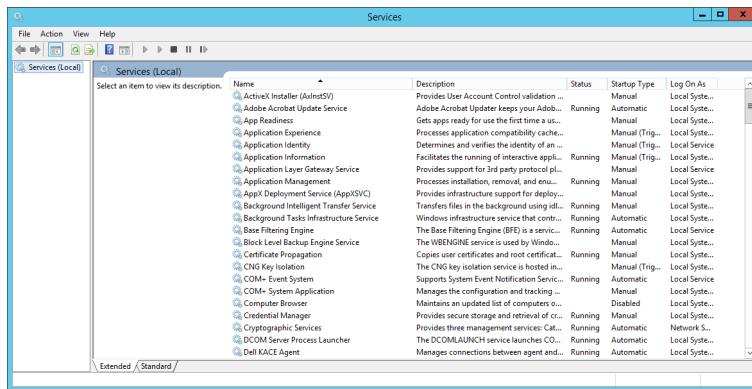


13. In the **Open** box, type the following application name:

services.msc

14. Click **OK**.

The **Services** window opens.



15. In the **Services** list, locate and select the **Ross Licensing Service** service.

16. Click **Restart** for the **Ross Licensing Service** service.

17. Use the **File** menu to select **Exit**.

The **Services** dialog box closes.

Activate a Product Key for Streamline Play Software

Ross Video uses product keys to manage user licenses for Streamline Play features. You can obtain an Streamline Play product key from Ross Video Technical Support.

- ★ When you activate an Streamline Play product key, your Ross Licensing Service computer must contact the Ross Video Activation Server through the internet.
- ★ When you reactivate an Streamline Play product key after adding feature licenses to the key, you must restart your Streamline Play System.

Depending on the internet connectivity of your Streamline Play system, complete the procedures in one of the following sections to activate your product key:

- “**Internet Accessible**” on page 3–13
- “**Private Network**” on page 3–15

Internet Accessible

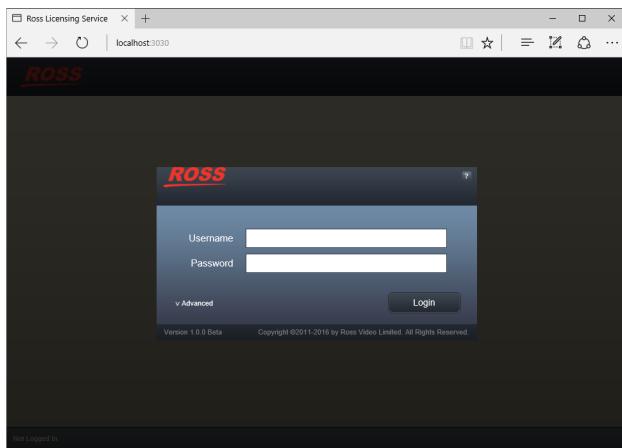
When your Streamline Play system has access the internet, the Ross Licensing Service can directly communicate with the Ross Video Activation Server to active your Streamline Play product key and license Streamline Play software.

To activate an Streamline Play product key for an Streamline Play system connected to the internet:

1. Verify that the **Ross Licensing Service** computer can connect to the Internet.
2. Verify that you have an Streamline Play product key for your Streamline Play System. If you do not have an Streamline Play product key, contact Ross Video Technical Support to obtain an Streamline Play product key.

3. On the Desktop of the **Ross Licensing Service** computer, double-click the **Ross Licensing Service** icon.

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



★ If the **Ross Licensing Service** web page does not open, please contact Ross Video Technical Support.

4. At the **Ross Licensing Service Login** screen, enter the following user name and password in the provided boxes:

- **Username** — root
- **Password** — <your_password>

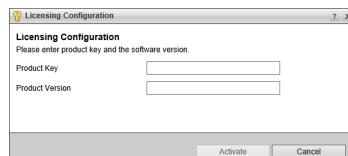
5. Click **Login**.

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

★ If a message displays indicating that the system is in maintenance mode, the Ross Licensing Service cannot communicate with the database. Please contact Ross Video support.

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

The **Licensing Configuration** dialog box opens.



7. In the **Product Key** box, enter the Streamline Play product key obtained from Ross Video Technical Support.

8. In the **Product Version** box, enter the version number (#.#) of your Streamline Play Server software.

9. Click **Activate**.

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

10. Click **OK**.

11. In the **Licensing** section of the Ross Licensing Service toolbar, click the **List License** icon.

The **Licenses** panel opens listing the active licenses.

Key	Product Name	Product Version	Edition	License Name	Status	Expiry Date
50003-X999X-9X3XX		16.1		North Coast News	Activated	No Expiry

12. To view the features contained in an Streamline Play product key, double-click the product key in the **Key** column.

The **Product Key** panel opens listing the feature licenses contained in the selected product key.



The screenshot shows a table titled "Product Key : N4EMS-SYH99-J2N8B". The table has columns: Feature ID, Feature Name, Description, Status, Number, Current Activation, Expiry Date, Purchased, and Licensed To. The data in the table is as follows:

Feature ID	Feature Name	Description	Status	Number	Current Activation	Expiry Date	Purchased	Licensed To
1			Activated	1	0	No Expiry	true	Michael Graham
400			Activated	1	0	No Expiry	true	Michael Graham
401			Not Purchased				false	
402			Not Purchased				false	
403			Not Purchased				false	
404			Activated	1	0	No Expiry	true	Michael Graham
405			Activated	1	0	No Expiry	true	Michael Graham
406			Activated	1	0	No Expiry	true	Michael Graham

13. Use the following procedures to use the activated Streamline Play product key to license the Caprica Server and Streamline Play Server in your Streamline Play system:

- **Caprica Server** — “License Caprica Server Software” on page 4–2
- **Streamline Server** — “License Streamline Server Software” on page 5–2

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.

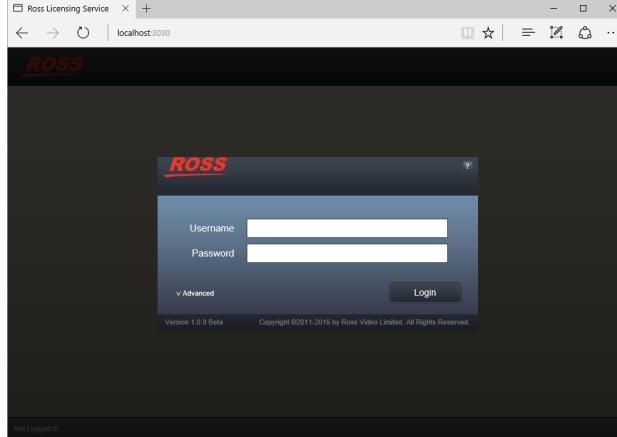
Ross Offline Licensing Tool Software Install

Before you can license an 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. On the Desktop of the **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** — `<your_password>`
4. Click **Login**.

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

★ If the **Ross Licensing Service** web page does not open, please contact Ross Video Technical Support.

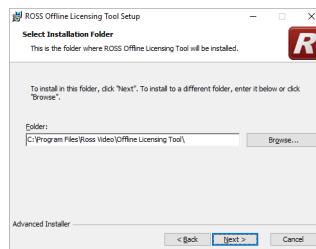
5. In the **Tools** section of the main toolbar, click the  **Download Ross Offline Licensing Tool** icon.
6. Save the **offline-licensing-tool.msi** installer file to a **USB Flash Drive**.
7. Connect the **USB Flash Drive** to a computer that can communicate over the internet with the Ross Video Activation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

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



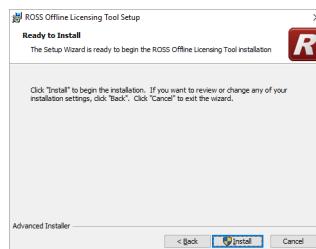
9. Click **Next**.

The **Select Installation Folder** screen opens.



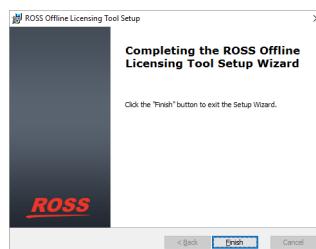
10. Click **Next**.

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 an Streamline Play System on a Private Network

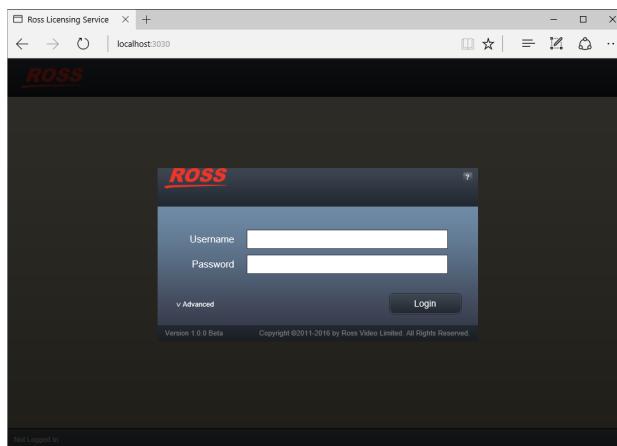
After you install the Ross Offline Licensing Tool on a computer that can communicate with the Ross Activation Server, your are ready to activate an Streamline Play product key for your Streamline Play System.

- ★ 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 an Streamline Play product key for an Streamline Play system on a private network:

1. Verify that you have an Streamline Play product key for your Streamline Play System. If you do not have an Streamline Play product key, contact Ross Video Technical Support to obtain an Streamline Play product key.
2. Connect a **USB Flash Drive** to the **Ross Licensing Service** computer.
3. On the Desktop of a **Ross Licensing Service** computer, double-click the **Ross Licensing Service** icon.

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



4. 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** — `<your_password>`

5. Click **Login**.

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

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

The **Licensing Configuration** dialog box opens.



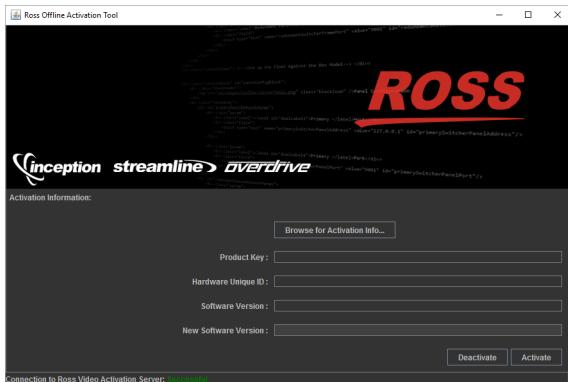
7. In the **Product Key** box, enter the Streamline Play product key obtained from Ross Video Technical Support.
8. In the **Product Version** box, enter the version number (#.#) of your Streamline Play Server software.
9. Click **Save Activation Information**.

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

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

11. Disconnect the **USB Flash Drive** from the **Ross Licensing Service** computer.
12. Connect the **USB Flash Drive** to the computer that you installed the **Ross Offline Licensing Tool**.
13. On the Desktop of the **Ross Offline Licensing Tool** computer, double-click the **Ross Offline Licensing Tool** icon.

The **Ross Offline Activation Tool** opens.



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

The **Open** dialog box opens.

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

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

17. Click **Activate**.

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

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

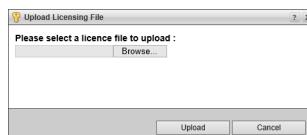
19. In the **File Name** box, enter a file name for the license file.

20. Click **Save**.

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

21. Disconnect the **USB Flash Drive** from the **Ross Offline Licensing Tool** computer.
22. Connect the **USB Flash Drive** to the **Ross Licensing Service** computer.
23. 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.



24. Click **Browse**.

The **File Upload** dialog box opens.

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

26. Click Open.

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

27. Click Upload.

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

28. Click OK.

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

29. In the Licensing section of the Ross Licensing Service toolbar, click the  List License icon.

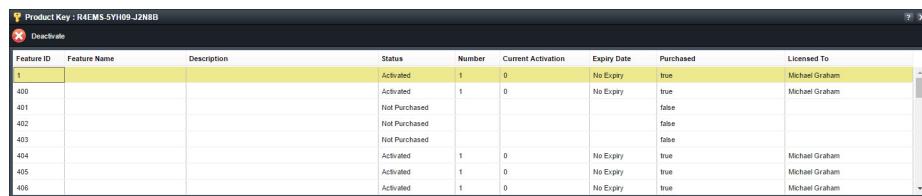
The **Licenses** panel opens listing the active licenses.



Key	Product Name	Product Version	Edition	License Name	Status	Expiry Date
90009-9999-9999		16.1		North Coast News	Activated	No Expiry

30. To view the features contained in an Streamline Play Product key, double-click the product key in the Key column.

The **Product Key** panel opens listing the feature licenses contained in the selected product key.



Feature ID	Feature Name	Description	Status	Number	Current Activation	Expiry Date	Purchased	Licensed To
1			Activated	1	0	No Expiry	true	Michael Graham
400			Activated	1	0	No Expiry	true	Michael Graham
401			Not Purchased				false	
402			Not Purchased				false	
403			Not Purchased				false	
404			Activated	1	0	No Expiry	true	Michael Graham
405			Activated	1	0	No Expiry	true	Michael Graham
406			Activated	1	0	No Expiry	true	Michael Graham

31. Use the following procedures to use the activated Streamline Play product key to license the Caprica Server and Streamline Play Server in your Streamline Play system:

- **Caprica Server** — “**License Caprica Server Software**” on page 4–2
- **Streamline Server** — “**License Streamline Server Software**” on page 5–2

Deactivate a Product Key for Streamline Play Software

Before you can start the following Streamline Play system changes or upgrades you must deactivate your currently active Streamline Play product key:

- Move the Ross Licensing Service from one computer to another computer.
- Add Streamline Play features to your product key
- Upgrade Streamline Play Server software to a new version.

After deactivation, you can change or upgrade your Streamline Play system. After you complete your Streamline Play system changes or upgrades, you must once again activate your Streamline Play product license to use your Streamline Play system.

For More Information on...

- activating an Streamline Play product key for an internet connected Streamline Play system, refer to the procedure “**To activate an Streamline Play product key for an Streamline Play system connected to the internet:**” on page 3–13
- activating an Streamline Play product key for and Streamline Play system on a private network, refer to the procedure “**To activate an Streamline Play product key for an Streamline Play system on a private network:**” on page 3–17

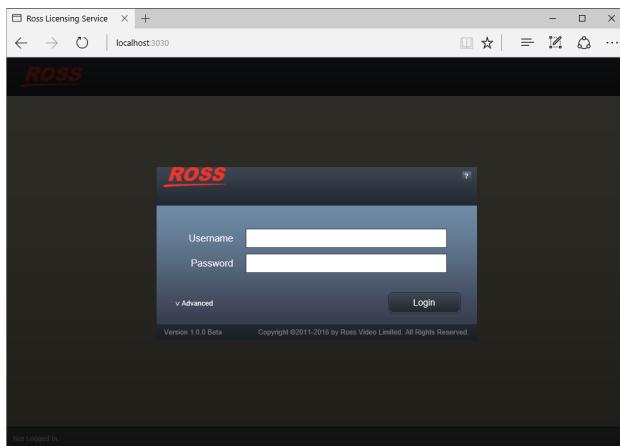
Internet Accessible

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

To deactivate an Streamline Play product key for an Streamline Play system connected to the internet:

1. On the Desktop of a **Ross Licensing Service** computer, double-click the **Ross Licensing Service** icon.

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



2. 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** — `<your_password>`

3. Click **Login**.

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

4. In the **Licensing** section of the main toolbar, click the **List License** icon.

The **Licenses** panel opens listing the active licenses.



5. In the **Key** column, double-click the Streamline Play product key to deactivate.

The **Product Key** panel opens listing the feature licenses contained in the selected product key.



6. In the **Product Key** panel toolbar, click the **Deactivate** icon.

After deactivating the selected Streamline Play product key, an **Alert** dialog box opens reporting a successful deactivation.

7. Click **OK**.

The **Alert** dialog box and the **Product Key** panel close. The **Ross Licensing Service** also removes the Streamline Play product key from the **Licenses** panel.

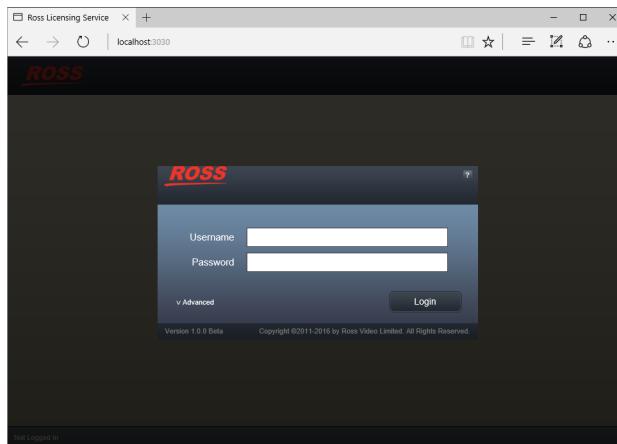
Private Network

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 to deactivate a product key.

To deactivate an Streamline Play product key for an Streamline Play system on a private network:

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

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



- ★ If the **Ross Licensing Service** web page does not open, please contact Ross Video Technical Support.

3. At the **Ross Licensing Service Login** screen, enter the following user name and password in the provided boxes:
 - **Username** — `root`
 - **Password** — `<your_password>`
4. Click **Login**.

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

- ★ If a message displays indicating that the system is in maintenance mode, the Ross Licensing Service cannot communicate with the database. Please contact Ross Video support.

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

The **Licenses** panel opens listing the active licenses.

Key	Product Name	Product Version	Edition	License Name	Status	Expiry Date
00003-X999X-9999X	16.1			North Coast News	Activated	No Expiry

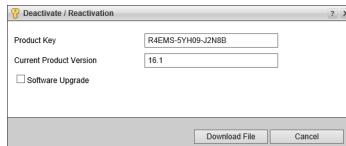
6. In the **Key** column, double-click the Streamline Play product key to deactivate.

The **Product Key** panel opens listing the feature licenses contained in the selected product key.

Product Key : R4EMS-SYH09-J2NBB							
Download Deactivate / Reactivation file							
Feature ID	Feature Name	Description	Status	Number	Current Activation	Expiry Date	Purchased
1			Activated	1	0	No Expiry	true
400			Activated	1	0	No Expiry	true
401			Not Purchased				false
402			Not Purchased				false
403			Not Purchased				false
404			Activated	1	0	No Expiry	true
405			Activated	1	0	No Expiry	true
406			Activated	1	0	No Expiry	true

7. In the **Product Key** panel toolbar, click the  **Download Deactivate / Reactivation file** icon.

The **Deactivate / Reactivation** dialog box opens.



8. When deactivating an Streamline Play product key as part of an upgrade from one version of Streamline Play Server software to the next version, complete the following steps:

a. Select the **Software Upgrade** check box.

The **Version** box opens.

b. In the **New Product Version** box, enter the version number (#.#) of the Streamline Play Server software to which you are upgrading.

9. Click **Download File**.

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

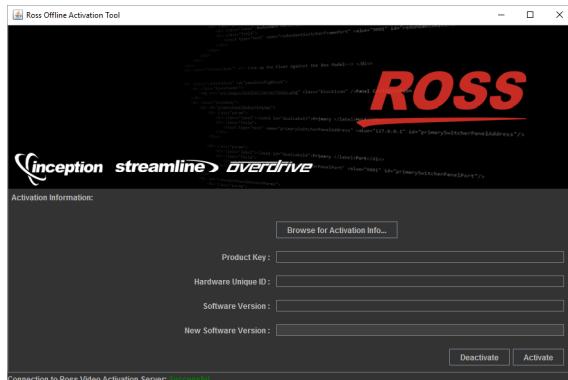
10. Copy the **license.activation** file from your **Downloads** folder to the **USB Flash Drive** connected to the **Ross Licensing Service** computer.

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

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

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

The **Ross Offline Activation Tool** opens.



14. In the **Ross Offline Activation Tool**, click **Browse for Activation info...**.

The **Open** dialog box opens.

15. Use the **Open** dialog box to locate and select the **license.activation** file to the **USB Flash Drive**.

16. Click **Open**.

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

17. Click Deactivate.

After deactivating the selected product key, an **Alert** dialog box opens reporting a successful deactivation.

18. Click OK.

The **Alert** dialog box closes. The **Ross Licensing Service** also removes the product key from the **Licenses** panel.

View Feature Activations

For each feature listed in the Product Key panel you can view the current number of activations of the feature.

To view the activations of a feature:

1. Log in to the **Ross Licensing Service** web page.
2. In the **Licensing** section of the main toolbar, click the  **List License** icon.

The **Licenses** panel opens listing the active licenses.

Key	Product Name	Product Version	Edition	License Name	Status	Expiry Date
9XXXX-9XXXX-9XXXX		16.1		North Coast News	Activated	No Expiry

3. To view the features contained in an Streamline Play Product key, double-click the product key in the **Key** column.

The **Product Key** panel opens listing the feature licenses contained in the selected product key.

Product Key : R4EMS-5YH09-J2NB8							
Download Deactivate / Reactivation file							
Feature ID	Feature Name	Description	Status	Number	Current Activations	Expiry Date	Purchased
1			Activated	1	0	No Expiry	true
400			Activated	1	0	No Expiry	true
401			Not Purchased				false
402			Not Purchased				false
403			Not Purchased				false
404			Activated	1	0	No Expiry	true
405			Activated	1	0	No Expiry	true
406			Activated	1	0	No Expiry	true

4. In the **Feature Name** column, double-click the name of the feature for which to view activations.

The **Feature Activation List** panel opens for the selected feature.

Activation List				
Feature ID	Hardware ID	Licenses Key	IP Address	Last Used

Each row in the **Feature Activation List** displays the following information:

- **Feature ID** — feature identification number
- **Hardware ID** — identification number of the computer using the feature
- **Licenses Key** — the license key that contains the feature
- **IP Address** — IP address of the computer using the feature
- **Last Used** — the last date and time that the feature was active

5. To close the **Feature Activation List** panel, click the  **Close** icon in the top right corner of the panel.

Change Your Ross Licensing Service Password

While working with the Ross Licensing Service, you can change the password used by the root user to log in to the Ross Licensing Service.

To change the root user password for the Ross Licensing Service:

1. Log in to the Ross Licensing Service.
2. On the main toolbar, click the  **Change Password** icon.

The **Change Password** dialog box opens.



3. In the **Old Password** box, enter the **root** user current password.
4. In the **New Password** box, enter a new password for the **root** user.
5. In the **Verify Password** box, re-enter the new password for the **root** user.
6. Click **Change Password**.

A message informs you of the successful change of your password.

7. Click **OK**.

The next time you log in to the Ross Licensing Service, use the new password you set for the **root** user account.

Backup and Restore Your Ross Licensing Service Database

The Ross Licensing Service uses the PostgreSQL database store licensing data in a database named “licensing_service”. The PostgreSQL pgAdmin program enables you to backup the Ross Licensing Service database to a file. The pgAdmin program creates a .backup file that you can use to restore to the Ross Licensing Service database.

Backup a Ross Licensing Service Database

You should only backup the Ross Licensing Service database when there are no Streamline Play users working on the Streamline Play system. Complete the following procedures to backup your Ross Licensing Service database:

- Stop the Ross Licensing Service, “[To stop the Ross Licensing Service](#)” on page 3–25.
- Backup the Ross Licensing Service database.
 - [PostgreSQL 10.3 — “To backup a PostgreSQL 10.3 Ross Licensing Service database”](#) on page 3–26.
 - [PostgreSQL 9.3 — “To stop the Ross Licensing Service”](#) on page 3–25.
- Start the Ross Licensing Service, “[To start the Ross Licensing Service](#)” on page 3–29.

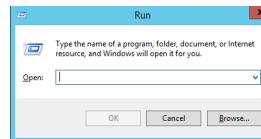
Stop the Ross Licensing Service

Before you backup up the Ross Licensing Service database you must stop the Ross Licensing Service.

To stop the Ross Licensing Service

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

The **Run** dialog box opens.

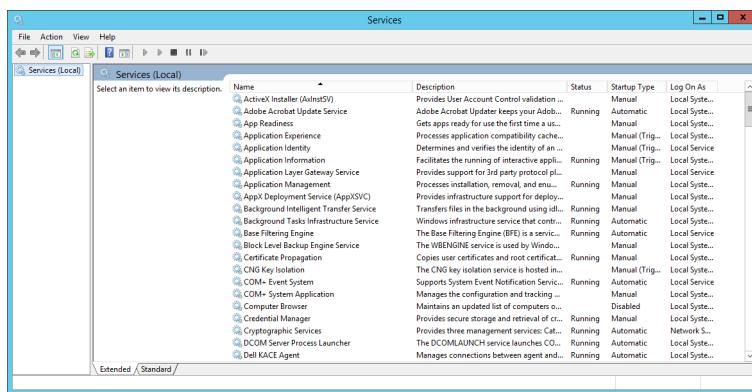


2. In the **Open** box, type the following application name:

`services.msc`

3. Click **OK**.

The **Services** window opens.



4. In the **Services** list, locate and select the **Ross Licensing Service** service.

5. Click **Stop** for the **Ross Licensing Service** service.

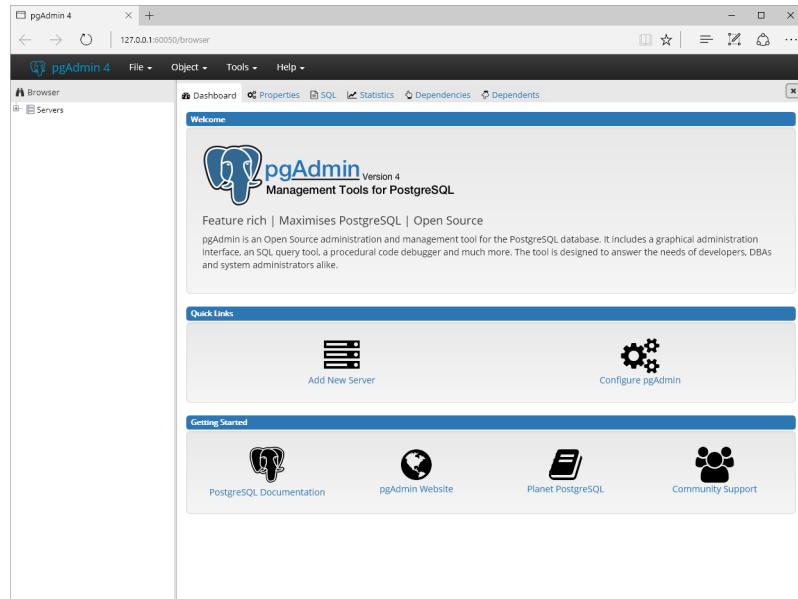
PostgreSQL 10.3 Ross Licensing Service Database Backup

When the Ross Licensing Service uses the PostgreSQL 10.3 database to store the Ross Licensing Service database, you use the pgAdmin 4 program to backup the database.

To backup a PostgreSQL 10.3 Ross Licensing Service database

1. From the Windows Desktop, use the **Start** menu to select **All Programs > PostgreSQL 10 > pgAdmin 4**.

The **pgAdmin 4** web page opens.



2. In the **Browser** tree view, expand the **Servers** node.

The **Browser** tree view displays the available Postgres servers.

3. Right-click the **PostgreSQL 10** server and select **Connect Server** from the shortcut menu.

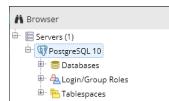
The **Connect to Server** dialog box opens.



4. In the **Password** box, enter the custom password set during installation of the Ross Licensing Service database software on the Ross Licensing Service computer.

5. Click **OK**.

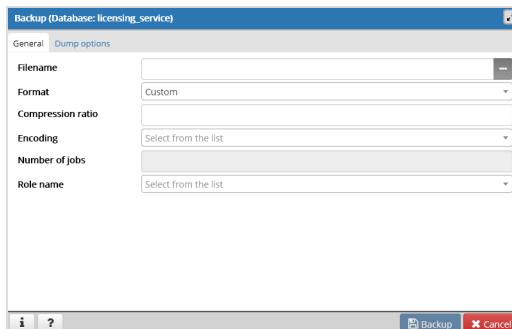
The **PostgreSQL 10** node expands in the **Object Browser** tree view.



6. In the tree view, expand **Databases** node.

7. In the expanded **Databases** node, right-click the **licensing_service** node and select **Backup** from the shortcut menu.

The **Backup database** dialog box opens.



8. In the **File name** box enter a name for the backup file with the file extension **.backup**, for example:

licensing_service-09_05_2018.backup

9. Click **Backup**.

The **Backup Database** dialog box closes. The following alert opens after the successful backup of the Ross Licensing Service database:



10. Close the alert and web browser.

The **pgAdmin 4** web page closes.

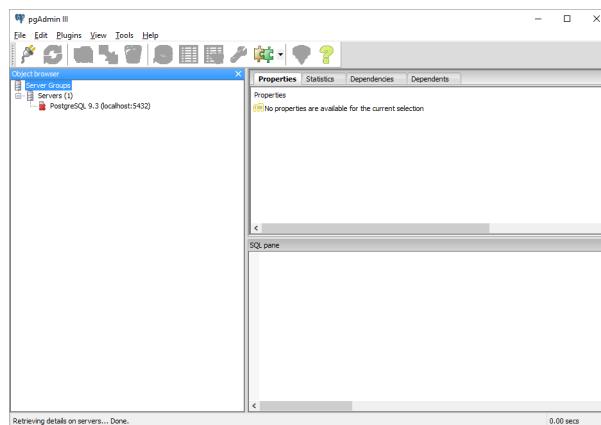
PostgreSQL 9.3 Ross Licensing Service Database Backup

When the Ross Licensing Service uses the PostgreSQL 9.3 database to store the Ross Licensing Service database, you use the pgAdmin III program to backup the database.

To backup a PostgreSQL 9.3 Ross Licensing Service database

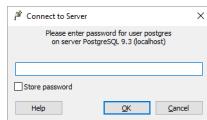
1. From the Windows Desktop, use the **Start** menu to select **All Programs > PostgreSQL 9.3 > pgAdmin III**.

The **pgAdmin III** window opens.



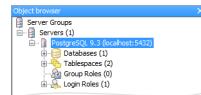
2. In the **Object Browser** tree view, right-click the **PostgreSQL 9.3 (localhost:5432)** database and select **Connect** from the shortcut menu.

The **Connect to Server** dialog box opens.



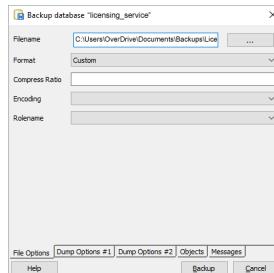
3. In the **Password** box, enter the custom password set during installation of the Inception Server software on the Inception Server computer.
4. Click **OK**.

The **PostgreSQL 9.3** node expands in the **Object Browser** tree view.



5. In the tree view, expand **Databases** node.
6. In the expanded **Databases** node, right-click the **licensing_service** node and select **Backup** from the shortcut menu.

The **Backup database** dialog box opens.



7. Click **Browse (...)** to the right of the **Filename** box.

The **Select backup filename** dialog box opens.

8. Use the **Select backup filename** dialog box to select a folder to save the database .backup file.

9. In the **File name** box enter a name for the .backup file.

10. Click **Save**.

The **Select backup filename** dialog box closes.

11. In the **Backup database** dialog box, click **Backup**.

12. When the **Backup database** dialog box displays the message `Process returned exit code 0`, click **Done**.

The **Backup database** dialog box closes.

13. In the **pgAdmin III** window, use the **File** menu to select **Exit**.

The **pgAdmin III** window closes.

Start the Ross Licensing Service

After you backup up the Ross Licensing Service database you must start the Ross Licensing Service.

To start the Ross Licensing Service

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

The **Run** dialog box opens.

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

`services.msc`

3. Click **OK**.

The **Services** window opens.

4. In the **Services** list, locate and select the **Ross Licensing Service** service.

5. Click **Start** for the **Ross Licensing Service** service.

6. Use the **File** menu to select **Exit**.

The **Services** window closes.

Restore the Ross Licensing Service Database from a Backup

You can use a .backup file to restore the database used by the Ross Licensing Service. You should only backup the Ross Licensing Service database when there are no Streamline Play users working on the Streamline Play system.

To Restore the Ross Licensing Service database

1. Stop the Ross Licensing Service.

For more information, refer to the procedure “[To stop the Ross Licensing Service](#)” on page 3–25.

2. From the Windows Desktop, use the **Start** menu to select **All Programs > PostgreSQL 10 > pgAdmin 4**.

The **pgAdmin 4** web page opens.

3. In the **Browser** tree view, expand the **Servers** node.

The **Browser** tree view displays the available Postgres servers.

4. Right-click the **PostgreSQL 10** server and select **Connect Server** from the shortcut menu.

The **Connect to Server** dialog box opens.

5. In the **Password** box, enter the custom password set during installation of the Ross Licensing Service database software on the Ross Licensing Service computer.

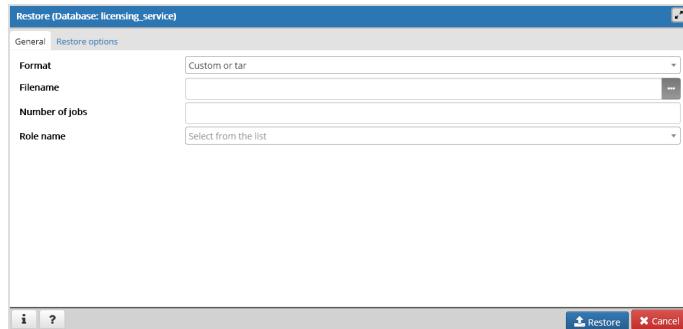
6. Click **OK**.

The **PostgreSQL 10** node expands in the **Object Browser** tree view.

7. In the tree view, expand **Databases** node.

- In the expanded **Databases** node, right-click the **licensing_service** node and select **Restore** from the shortcut menu.

The **Restore Database** dialog box opens.



- Click **Browse (...)** to the right of the **Filename** box.

The **Select file** dialog box opens.

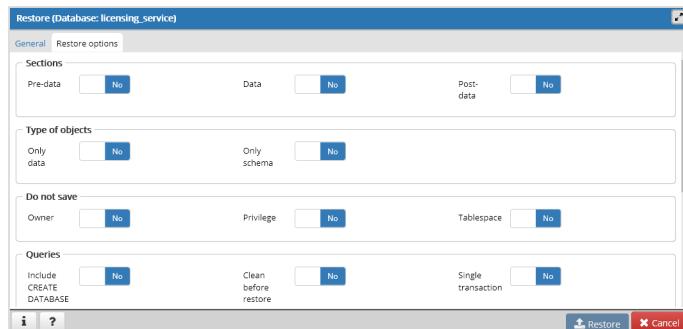
- Use the **Select file** dialog box to select .backup file with which to restore the Ross Licensing Service database.

- Click **Select**.

The **Select file** dialog box closes.

- In the **Restore Database** dialog box, click the **Restore options** tab.

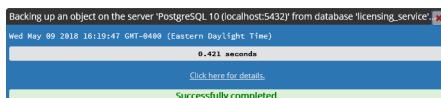
The **Restore options** tab opens.



- In the **Queries** section, click the **Clean before restore** option to change the option to **Yes**.

- click **Restore**.

The **Restore Database** dialog box closes. The following alert opens after the successful restore of the Ross Licensing Service database:



- Close the alert and web browser.

The **pgAdmin 4** web page closes.

- Start the Ross Licensing Service.

For more information, refer to the procedure **“To start the Ross Licensing Service”** on page 3–29.

Manage Perspectives

A user perspective is a customized view of the Ross Licensing Service user interface. It is a mapping of Ross Licensing Service panel types to positions in the user interface layout. Perspectives also save the columns displayed in the Licenses and Product Key panels. Perspectives are not available on mobile devices.

For example, you can create a perspective that includes the Licenses panel in the left column and a Product Key panel in the right column. When you use this perspective, any Product Key panels that you open display in the right column. Perspectives can include following panels:

- Licenses (Including panel columns)
- Product Key (Including panel columns)

All Ross Licensing Service users can create perspectives for their own use. Ross Licensing Service administrators can also create global perspectives available to all users.

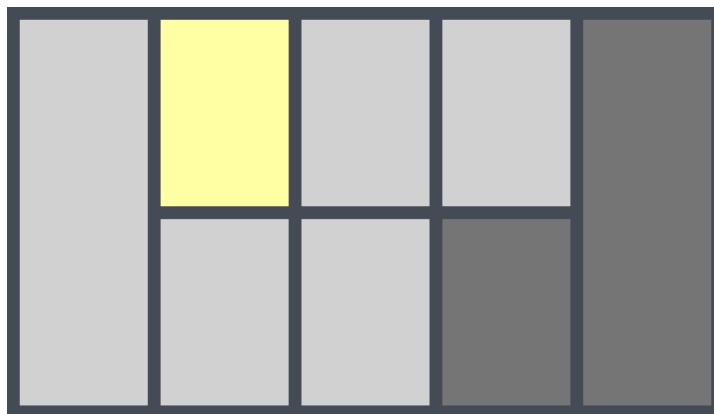
★ Panels may not always open exactly where you expect. As you open and close panels, Ross Licensing Service adjusts the layout to optimize use of the available space.

Create a New Perspective

To create a new perspective for your own use

1. Log in to the **Ross Licensing Service** web page as a system administrator.
2. Open one of each type of panel you want to include in the new perspective.
3. Use the following procedure to move the panels to the positions you want them to occupy in the perspective:
 - a. At the top of the panel you want to move, click and drag the panel name tab.

The layout guide opens.



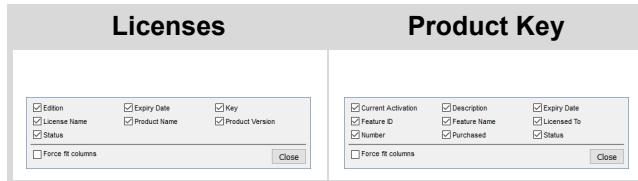
- b. Drag the pointer over the layout guide to specify the position to which you want to move the panel.

As you drag the pointer over the layout guide, the current drop position for the panel turns yellow. Light gray indicates unoccupied positions. Dark gray indicates occupied positions that can accept additional panels.

- c. When the position to which you want to move the panel turns yellow, release the mouse button.

4. Use the following procedure to display the **Licenses** or **Product Key** panel columns to include in the perspective:
 - a. In a **Licenses** or **Product Key** panel, right-click the title of any table column.

The **Columns** list opens for the selected panel.

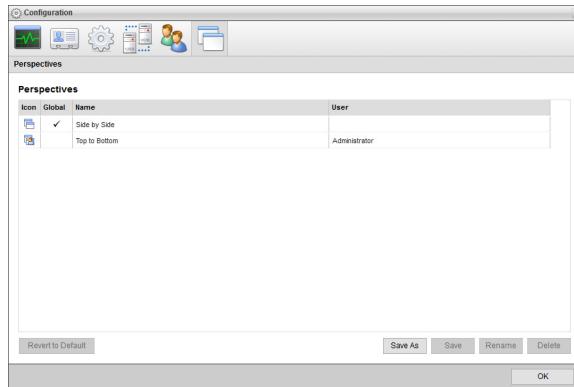


4. Use the following procedure to display the **Licenses** or **Product Key** panel columns to include in the perspective:
 - a. In a **Licenses** or **Product Key** panel, right-click the title of any table column.
 - b. Select **Licenses** or **Product Key** panel columns as follows:
 - To include a column, select the check box to the left of the column name.
 - To remove a column, clear the check box to the left of the column name.
 - c. Select the **Force fit columns** check box to automatically resize column widths to the table content.
 - d. Click **Close**.
 - e. Click and drag columns to reposition columns in the panel.
 - f. Click and drag column dividers to manually resize the width of individual columns.
5. On the main toolbar, point to the **Perspectives** icon.

A list of saved perspectives opens.

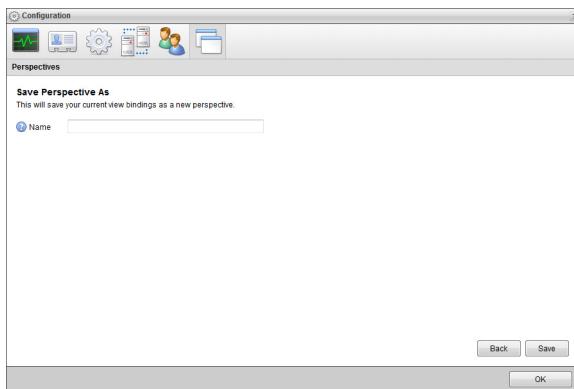
6. In the list, click **Manage Perspectives**.

The **Configuration** window opens, showing the **Perspectives** tab.



7. Click **Save As**.

The **Save Perspective As** page opens.



8. In the **Name** box, enter a name for the new perspective.

9. Click **Save**.

The **Save Perspective As** page closes and the Ross Licensing Service adds the new perspective to the **Perspectives** list.

10. Click **OK** to close the **Configuration** window.

Open a Saved Perspective

To open a saved perspective

1. On the main toolbar, point to the  **Perspectives** icon.

A list of saved perspectives opens. The last item on the list, **Manage Perspectives**, is not a perspective.

2. In the list, click the perspective to open.

The Ross Licensing Service repositions the open panels to conform to the layout in the selected perspective.

Rename a Perspective

To rename a perspective

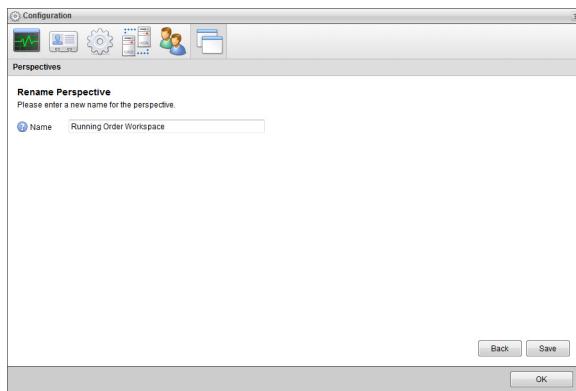
1. On the main toolbar, point to the  **Perspectives** icon to select **Manage Perspectives** from the list.

The **Configuration** window opens, showing the **Perspectives** tab.

2. In the **Perspectives** list, select the perspective to rename.

3. Click **Rename**.

The **Rename Perspective** page opens.



4. In the **Name** box, enter a new name for the selected perspective.

5. Click **Save**.

The name of the perspective updates in the **Perspectives** list.

6. Click **OK** to close the **Configuration** window.

Change the Layout of a Perspective

To change the layout of a perspective

1. Rearrange the panels in a perspective to form the new layout for the perspective.
2. In a **Licenses** or **Product Key** panel, display the panel columns to include in the perspective.
3. On the main toolbar, use the  **Perspectives** icon to select **Manage Perspectives** from the list.

The **Configuration** window opens, showing the **Perspectives** tab.

4. In the **Perspective** list, select the perspective for the new panel layout.

5. Click **Save**.

A confirmation message opens, asking whether you want to overwrite the perspective.

6. In the confirmation message, click **OK**.

The confirmation message closes and the Ross Licensing Service saves the set panel layout is with the selected perspective.

7. Click **OK** to close the **Configuration** window.

Revert a Perspective to the Default Layout

When you first use the Ross Licensing Service, it opens certain types of panels in certain panel positions by default. The Ross Licensing Service continues to use the default layout until you move a panels or open a saved perspective.

You can revert a saved perspective to the Ross Licensing Service default layout. This is useful if you want to make the default layout permanently available as a perspective, or if you want to use it as a starting point for creating a new customized perspective. When a user reverts to the default layout, the Ross Licensing Service also reverts the columns displayed in the Licenses and Product Key panels to their default columns.

The following illustration describes the default layout.



Figure 3.3 Default Panel Layout

Default layout positions are as follows:

- Grid-based panels open in the top middle box.
- Editor panels open in the bottom left box.
- The Video Player panel opens in the bottom right box.
- Feed-based panels open in the right column.

By default, the Ross Licensing Service does not occupy all eight positions with a panel. the Ross Licensing Service does optimize a layout by expanding open panels to fill all available space. When you use the default layout and open instances of every type of panel, panels display as follows:



Figure 3.4 Actual Layout with all Panel Types Open

To revert a perspective to the default layout

1. On the main toolbar, use the Perspectives icon to select **Manage Perspectives** from the list.

The **Configuration** window opens, showing the **Perspectives** tab.

2. In the **Perspective** list, select the perspective to apply the default layout.
3. Click or tap **Revert to Default**.

A confirmation message opens, asking whether you want to revert the perspective to the default layout.

★ There is no undo for this change. When you revert to the default layout, the Ross Licensing Service also reverts the columns displayed in the Licenses and Product Key panels to their default columns. Click or tap **Cancel** to keep the current perspective layout.

4. In the confirmation message, click or tap **OK**.

The confirmation message closes and the Ross Licensing Service saves the default panel layout with the selected perspective.

5. Click **OK** to close the **Configuration** window.

Make a User Perspective Global

A user-specific perspective is only available to the Ross Licensing Service user who created it. Global perspectives are available to all Ross Licensing Service users. If you are a Ross Licensing Service administrator, you can make a user-specific perspective global.

To make a user-specific perspective global

1. Log in to the **Ross Licensing Service** web page as a system administrator.

Only administrators can make a perspective available to all users.

2. On the main toolbar, the  **Perspectives** icon to select **Manage Perspectives** from the list.

The **Configuration** window opens, showing the **Perspectives** tab.

3. In the **Perspectives** list, select the user-specific perspective to make available to all users.

Perspectives that do not have a check mark in the **Global** column of the **Perspectives** list are user-specific and only available to the users that created them. A check mark in the **Global** column of the **Perspectives** list indicates that a perspective is global and available to all users.

4. Click **Set as Global**. This option is only available to Ross Licensing Service administrators.

A check mark displays in the **Global** column of the selected perspective, which indicates that all users now have access the perspective from the  **Perspectives** icon.

5. Click **OK** to close the **Configuration** window.

To make a global perspective user-specific

1. As an administrator, use the  **Perspectives** icon to select **Manage Perspectives** from the list.

The **Configuration** window opens, showing the **Perspectives** tab.

2. In the **Perspectives** list, select the global perspective to make user-specific.

A check mark in the **Global** column of the **Perspectives** list indicates that a perspective is global and available to all users. Perspectives that do not have a check mark are user-specific.

3. Click **Set as User**. This option is only available to Ross Licensing Service administrators.

The Ross Licensing Service removes the check mark from the **Global** column of the selected perspective, which indicates that only the user who created the perspective can use it.

4. Click **OK** to close the **Configuration** window.

Delete a Perspective

Ross Licensing Service users can only delete perspectives that they created. You must log in to the Ross Licensing Service as an administrator to delete global perspectives.

To delete a perspective

1. On the main toolbar, use the  **Perspectives** icon to select **Manage Perspectives** from the list.

The **Configuration** window opens, showing the **Perspectives** tab.

2. In the **Perspectives** list, select the perspective to delete.

3. Click or tap **Delete.**

A confirmation message opens, asking whether you want to delete the perspective. Click or tap **Cancel** to keep the perspective.

4. In the confirmation message, click **OK.**

The Ross Licensing Service deletes the selected perspective from the **Perspectives** list.

5. Click **OK to close the **Configuration** window.**

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:

- License Caprica Server Software
- Import Caprica Configuration

License Caprica Server Software

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

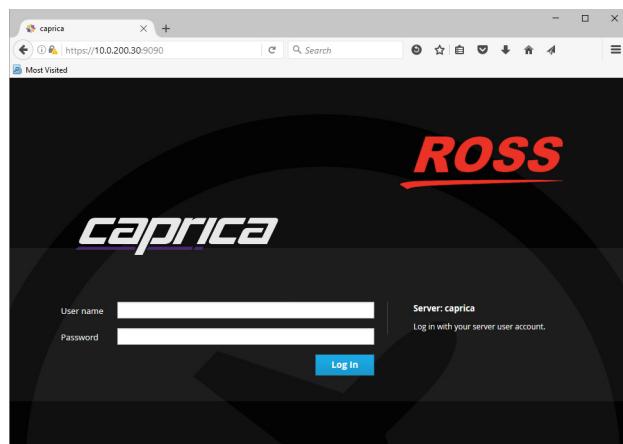
- ★ Before you can license the Caprica Server, your must activate your Streamline Play product key on the Ross Licensing Service in your Streamline Play system. Refer to the section “**Activate a Product Key for Streamline Play Software**” on page 3–13 for information on activating Streamline Play product keys.

You can obtain a Streamline Play product key from Ross Video Technical Support.

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.

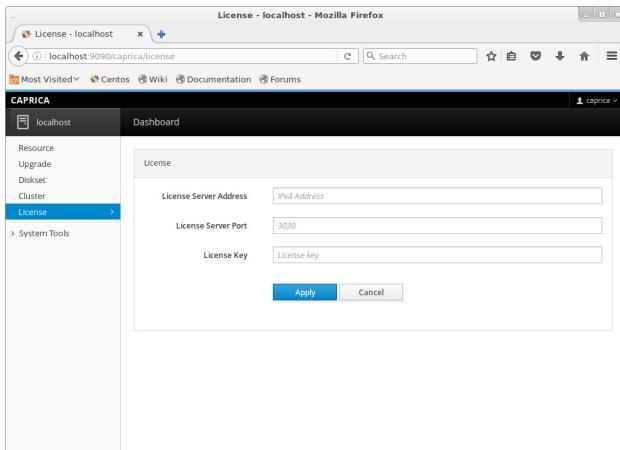


2. Use the following credentials to log in to the **Caprica** web page:
 - **User:** caprica
 - **Password:** <you_password>
3. Click **Log In**.

The **Caprica** web page opens.

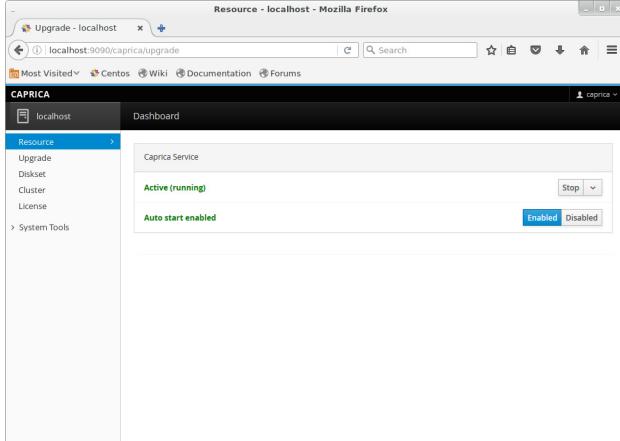
4. In the tree view, click **License**.

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 Activation Key** box, enter the Streamline Play product key obtained from Ross Video Technical Support.
8. Click **Apply**.
9. In the tree view, click **Resource**.

The **Resource** web page opens.



10. 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 the Caprica Server to communicate with the video server in your Streamline Play system. Ross Video Technical Support can supply you with diskset files to configure the Caprica Server to communicate with the video server in your Streamline Play system.

- ★ After you load the appropriate diskset for your video server, you must use Dashboard to set the IP address of the video server to enable the Caprica Server 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

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`

The **Caprica Login** web page opens.

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

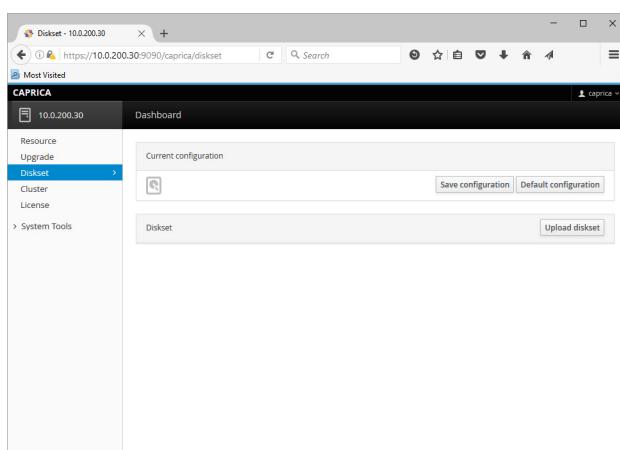
- **User:** caprica
- **Password:** <your_password>

3. Click **Log In**.

The **Caprica** web page opens.

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

The **Diskset** web page opens.



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

The **Upload Diskset** dialog box opens.



6. Click **Browse**.

The **File Upload** dialog box opens.

7. Locate the diskset files provided to you by Ross Video Technical Support.
8. Select the **diskset file** that matches your video server and the number of channels on your video server. The available diskset files are as follows:

- **Caprica-2Channel.tgz** — 2 channel Abekas Tria production server
- **Caprica-4Channel.tgz** — 4 channel Abekas Tria production server
- **Caprica-6Channel.tgz** — 6 channel Abekas Tria production server
- **Caprica-8Channel.tgz** — 8 channel Abekas Tria production server
- **Caprica-AMP-4Channel.tgz** — 4 channel Abekas Tria News playout server

9. Click **Open**.

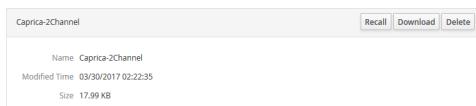
The **File Upload** dialog box closes and the **Upload Diskset** dialog box displays the name of the selected diskset file.

10. 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.

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

A section opens for the selected configuration file.



12. Click **Recall**.

An **Alert** opens.

13. 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.

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

Set the Video Server Device IP Address

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

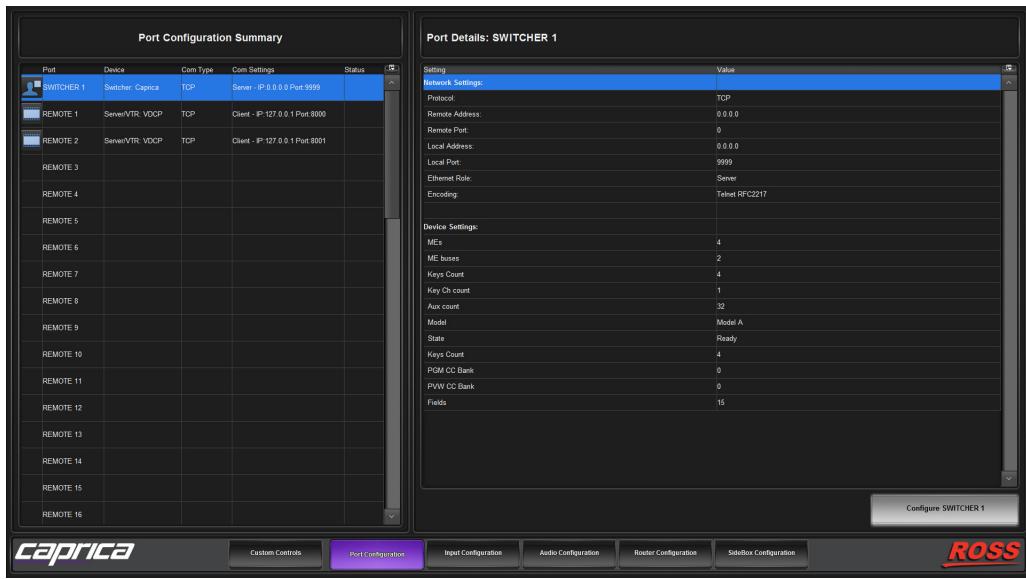
To set the video server Device IP Address

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**.

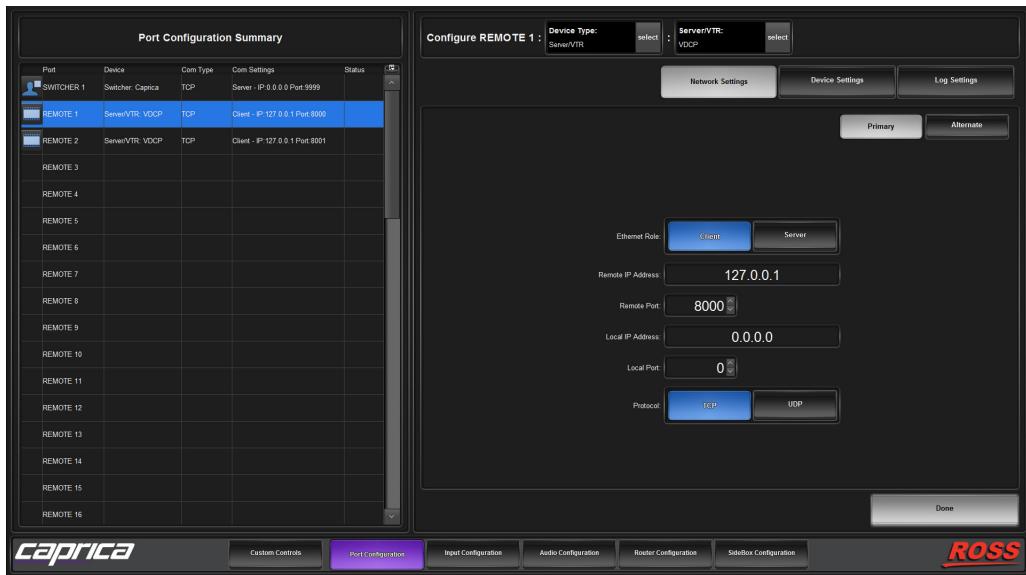
5. Use the **Window** menu to select **Full Screen**.

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



6. In the **Port** column of the **Port Configuration Summary** table, double-click **REMOTE 1**.

The **Configure REMOTE 1** panel opens.



7. Click **Network Settings**.
8. In the **Remote IP Address** box, enter the IP address of the video server in your Streamline Play system.
9. In the **Remote Port** box, enter the port number that the video server uses to communicate with external applications or devices.
10. Click **Apply Changes**.
11. Repeat steps **6** to **10** for each device listed in the **Port Configuration Summary** table.
12. 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:

- License Streamline Server Software
- Configure Caprica Communication Settings
- Configure a MOS Gateway for the NRCS
- Load Templates
- Configure Templates
- Connect RundownControl with the 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 Play product key and enables access to the Streamline Server features you purchased from Ross Video.

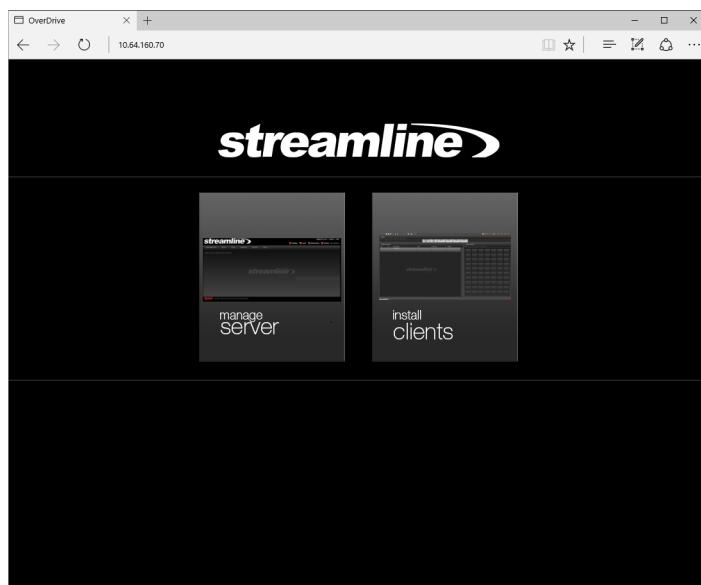
★ Before you can license your Streamline Server, you must activate your Streamline Play product key on the Ross Licensing Service in your Streamline Play system. Refer to the section “**Activate a Product Key for Streamline Play Software**” on page 3–13 for information on activating Streamline Play product keys.

To license a 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:

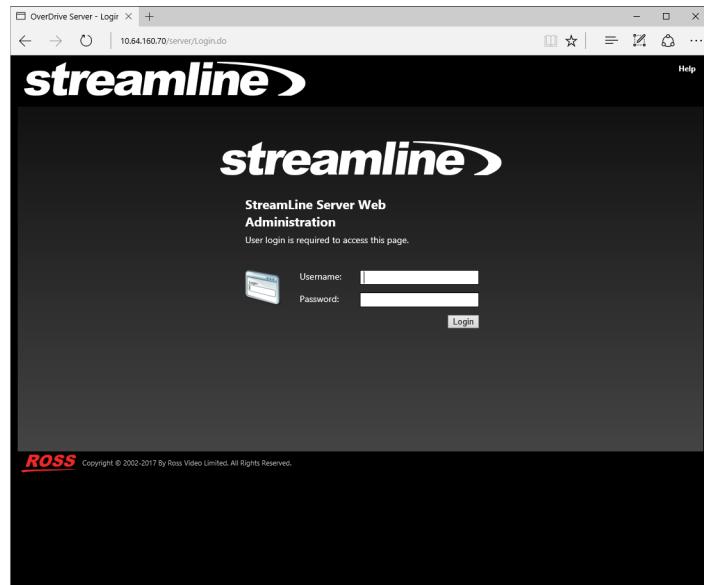
`http://<Streamline Server>`

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:

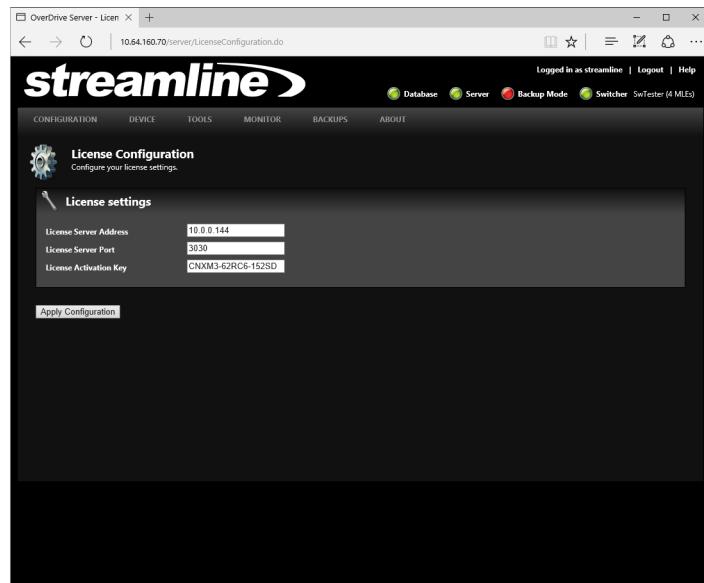
- **Username** — streamline
- **Password** — <your_password>

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, enter the Streamline Play product key obtained from Ross Video Technical Support.
9. Click **Apply Configuration**.
10. Restart your Streamline Play system.

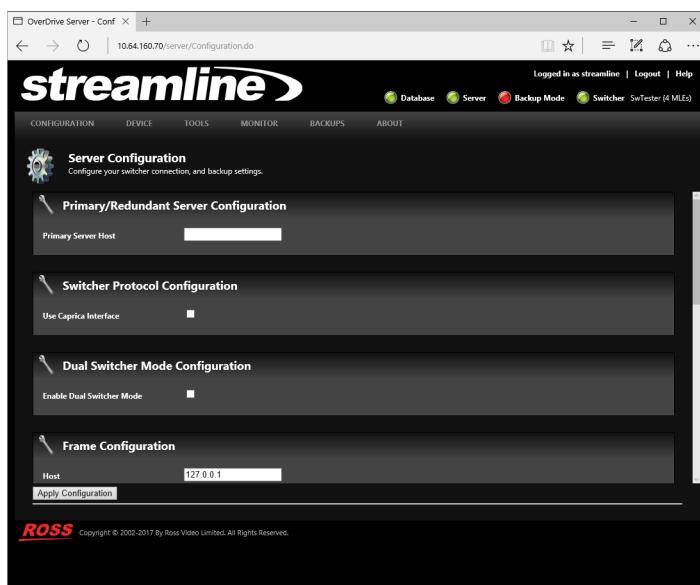
Configure Caprica Communication Settings

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.

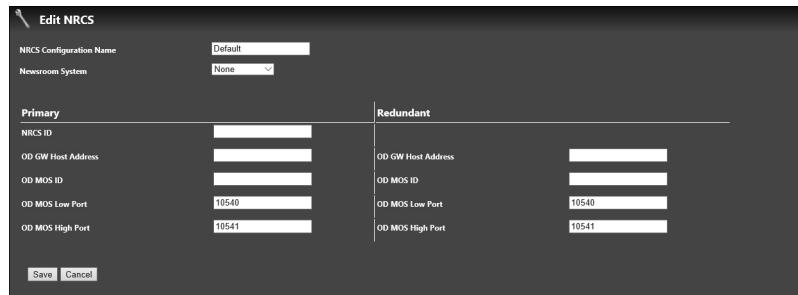
To configure MOS Gateway settings for an NRCS:

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.



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**.

Load Templates

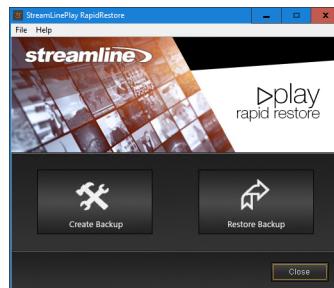
The Sequencer uses Master and Device templates to playout assets from the video server in the Streamline Play system. Ross Video Technical Support can supply you with backup files (.odv5) to load Master and Device templates for the video server in your Streamline Play system.

★ 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.

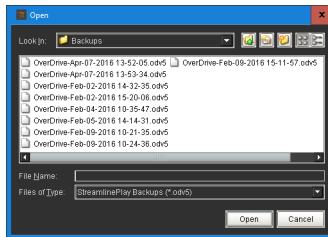


3. Click **Restore Backup**.

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. Locate the diskset files provided to you by Ross Video Technical Support.

6. Select the **backup file** that matches your video server and the number of channels on your video server. The available backup files are as follows:

- **Streamline-2Channel.ovd5** — 2 channel Abekas video server
- **Streamline-4Channel.ovd5** — 4 channel Abekas video server
- **Streamline-6Channel.ovd5** — 6 channel Abekas video server
- **Streamline-8Channel.ovd5** — 8 channel Abekas video server

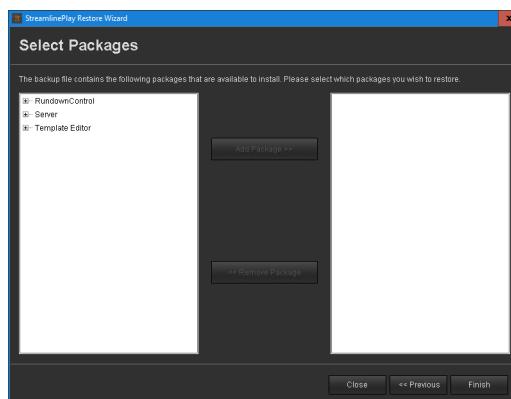
RapidRestore enters the name of the selected file in the **File Name** box.

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.

8. 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.



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

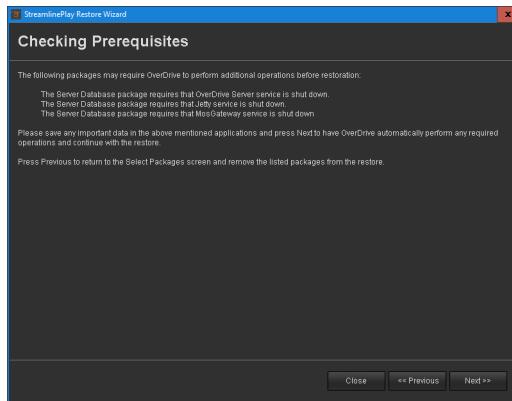
10. Click **Add Package**.

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

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

12. Click **Finish**.

The **Checking Prerequisites** screen opens.



13. Click **Next**.

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



14. Click **OK**.

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

15. Click **Close**.

The **OverDrive Restore Wizard** closes.

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

Configure Templates

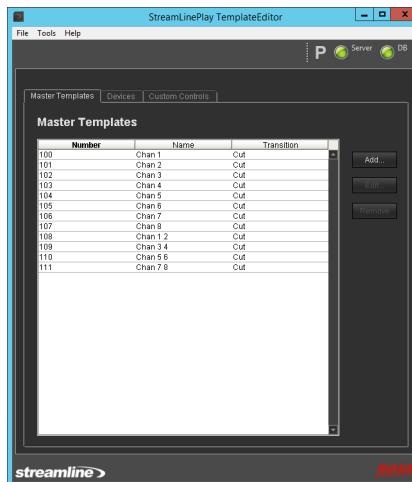
Each Device template requires a MOS ID and each MOS ID requires an association with a default template. The Template Editor enable you to edit the MOS ID settings for Device templates.

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.

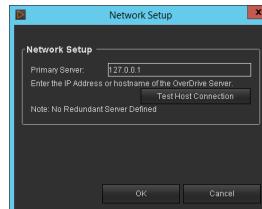
To configure network connection properties for TemplateEditor:

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**.
2. **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.

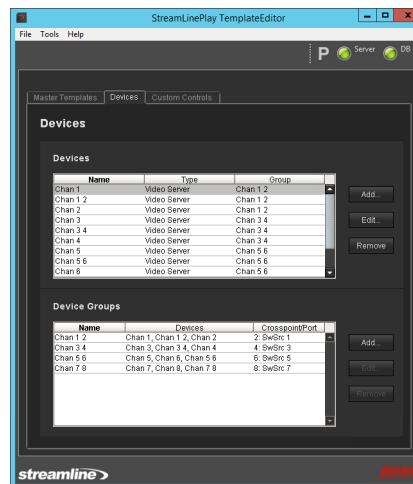
Set Device Template MOS ID

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

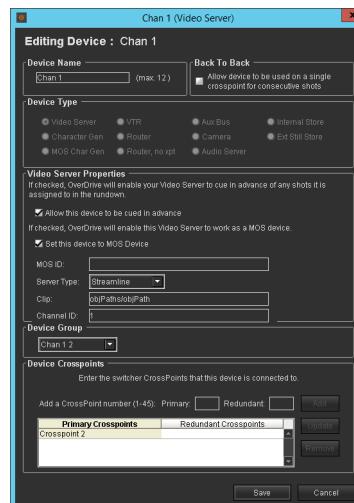
1. In the **TemplateEditor**, click the **Devices** tab.

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.

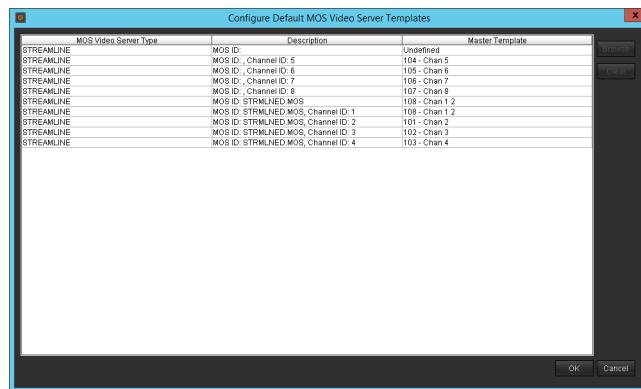
Select the Default MOS Template of a Device

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

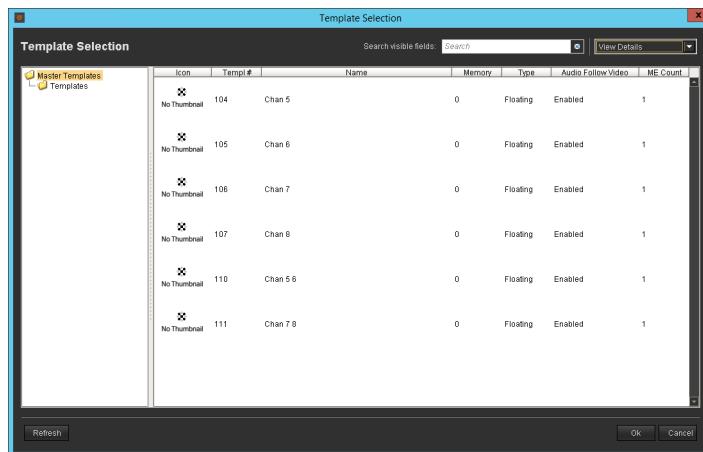
1. In the **TemplateEditor**, use the **Tools** menu to select **Configure MOS Video Server Templates**.

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 the 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.

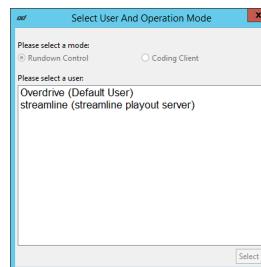
Connect RundownControl with the Streamline Server

Before you can use an instance of RundownControl to open and work with NRCS rundown, 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:

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

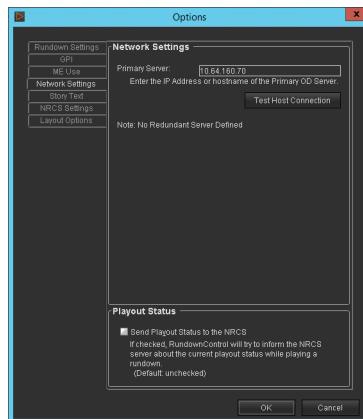
RundownControl opens using the user preferences from the selected user profile, displayed in the RundownControl title bar.

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.

Streamline Configuration

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

- Activate a Streamline Product Key
- Connect Streamline with the NCS
- Add File System for an Abekas Video Server
- Set Your Abekas File Storage Method as the Default Target
- Set the Streamline Service User

Activate a Streamline Product Key

Ross Video uses product keys to manage user licenses for Streamline features. You can obtain a Streamline product key from Ross Video Technical Support.

- ★ 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. Use one of the following supported web browsers to open the Streamline web page URL:
 - 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

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



- ★ If the Ross Streamline web page does not open, contact Ross Video Technical Support.

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

The **Alert** dialog box closes.

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

- **Username** — **root**
- **Password** — <your_password>

5. Click **Login**.

You are logged into the Streamline Server as an administrator.

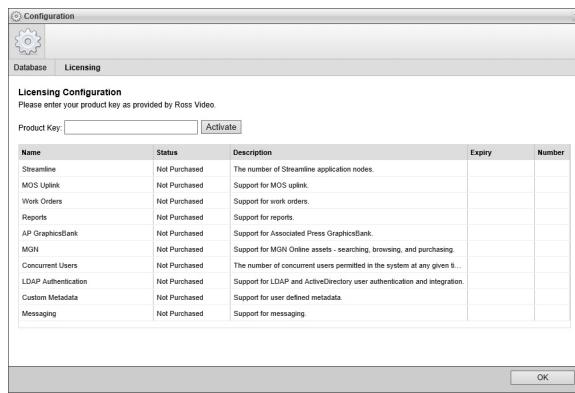
- ★ If a message displays indicating that the system is in maintenance mode, Streamline cannot communicate with the database. Contact Ross Video Technical Support.

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. Obtain a Streamline product key from Ross Video Technical Support.

9. In the **Product Key** box, enter the product key obtained from Ross Video Technical Support.

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.

13. Refresh your web browser window.

Streamline adds icons to the toolbar for the newly activated features, making the features accessible to Streamline users.

Connect Streamline with the NCS

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

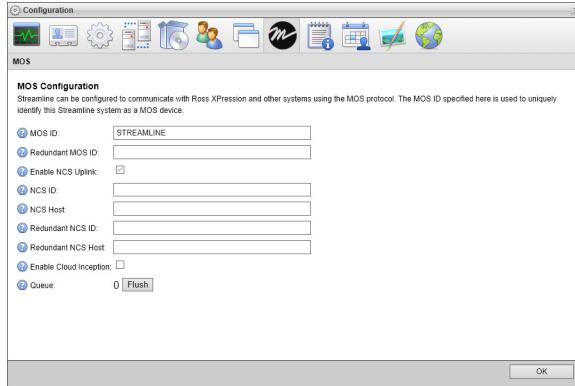
To configure an uplink between a Streamline Server and an NCS

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. In the **MOS ID** box, enter a MOS ID for your Streamline Server to uniquely identify the server as a MOS device.
5. Record the **MOS ID** that you set for your Streamline Server.
6. 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.
7. In the **NCS ID** box, enter the NCS ID of your NCS.
8. In the **NCS Host** box, enter the hostname or IP address of the NCS gateway.
9. Click **OK**.

Add File System for an Abekas Video Server

Streamline uses file systems to store the media files ingested into Streamline through a file storage method. The file system that you add for your Abekas video server will store the ingested media files associated with the assets that Streamline pushes to your Abekas video server.

After you define your Abekas video server file system, use the File Storage tab to associate your file system with a file storage method. Streamline users can use the associated file storage method to ingest media files into Streamline and store them in your file system.

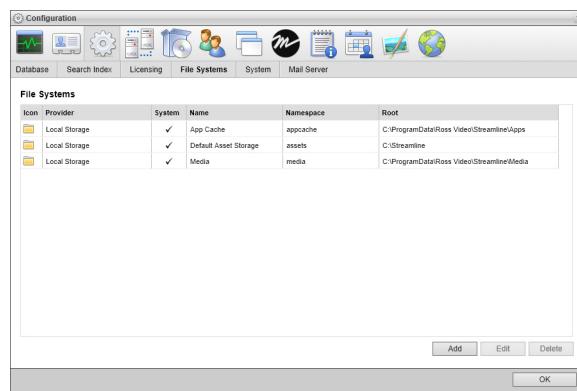
To add a file system for an Abekas video server

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

The **System** panel opens.

2. Click the **File Systems** tab.

The **File Systems** tab opens.



3. Click **Add**.

The **Create File System** settings open.

4. Use the **Provider** list to select **Abekas** as the type of file system to add.

5. Click **Next**.

The **Create Abekas File System** settings page opens.

6. In the **Namespace** box, enter the name that Streamline uses to access the file system.

Once you create a file system, you cannot change the **Namespace** set for the file system.

7. In the **Name** box, enter a name for the file system.

8. In the **Root** box, enter the directory path for the root directory of the Abekas video folder.

9. In the **Host** box, enter the hostname or IP address of the Abekas video server.

10. In the **Port** box, enter the port number that the Abekas video server uses to communicate with your Streamline Server.

11. Click **Create**.

Streamline adds the new file system to the **File Systems** list.

Create a File Storage Method for an Abekas Video Server

Streamline uses file storage methods to ingest media files and store them in an associated file system. The file storage method that you create for your Abekas video server will ingest media files into the file system you added to Streamline for your Abekas video server.

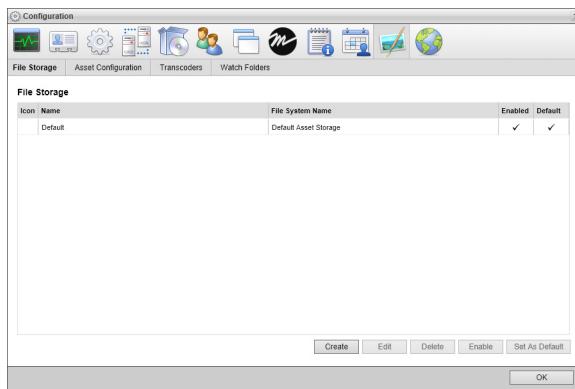
To create a file storage method for an Abekas video server

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

The **Asset** panel opens.

2. Click the **File Storage** tab.

The **File Storage** tab opens.



3. Click **Create**.

The **Preset** page opens.

4. Use the **Type** list to select **Abekas** as the type of file storage method to create.

5. Click **Next**.

The **Setup** page opens. The **Steps** list displays your progress through the new file storage method creation procedure. You can also use the **Steps** list to revisit completed steps in the procedure.

★ An asterisk (*) identifies the required settings for which you must enter a value before continuing on with the next step in creating a new file storage method.

6. In the **Name** box, enter a name for the file storage method.

7. In the **Key Name** box, enter the name to use as the identifier for the file storage method. When you click in this box, Streamline enters a suggested **Key Name** that you can edit.

★ You cannot change the **Key Name** of a file storage method after you save the file storage method.

8. Use the **File System** list to select the Streamline file system in which to save media files that Streamline users ingest using the file storage method.

★ You cannot change the file system associated with a file storage method after you save the file storage method.

The **File System** list only contains the file systems available on your Streamline Server. You can use the **File Systems** tab to view, add, and manage the file systems on your Streamline Server.

9. Use the **Icon** list to select an icon to identify the file storage method.

If the icons in the list are not appropriate for the file storage method, do the following:

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

Inception 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 the file storage method.

- 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 the file storage method. 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.

10. Click **Next**.

The **Naming Rules** page opens.

11. Click **Next**.

The **Pathing Rules** page opens.

12. Click **Next**.

The **Ingest Validations** page opens.

13. Click **Next**.

The **Ingest Triggers** page opens.

14. Click **Next**.

The **Auto-Purge Rules** page opens.

15. Click **Finished**.

The Auto-Purge Rules page closes and Streamline adds the new file storage method to the **File Storage** table in the **File Storage** tab.

Set Your Abekas File Storage Method as the Default Target

After you create a file storage method for your Abekas video server, you must set your Abekas files storage method as the default file storage method to automatically push ingested media files to devices; such as, video servers for playout.

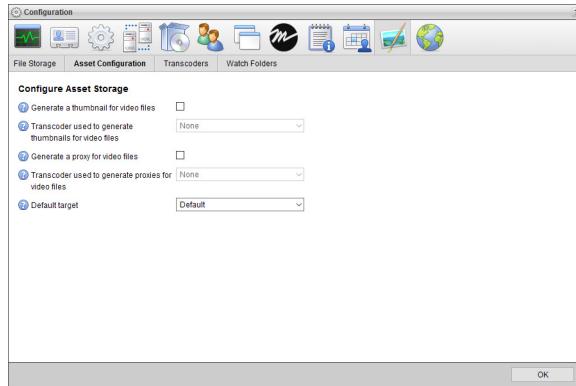
To set the default target

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

The **Asset** panel opens.

2. Click the **Asset Configuration** tab.

The Asset Configuration tab opens.



3. Use the **Default Target** list to select the file storage method that you created for your Abekas video server.
4. Click **OK** to save settings and close the **Configuration** panel.

Set the Streamline Service User

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

To set the user that runs the Streamline service

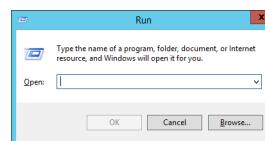
1. Log in to the Streamline Play computer using the following credentials:

User Name: `streamline`

Password: `<your_password>`

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

The **Run** dialog box opens.

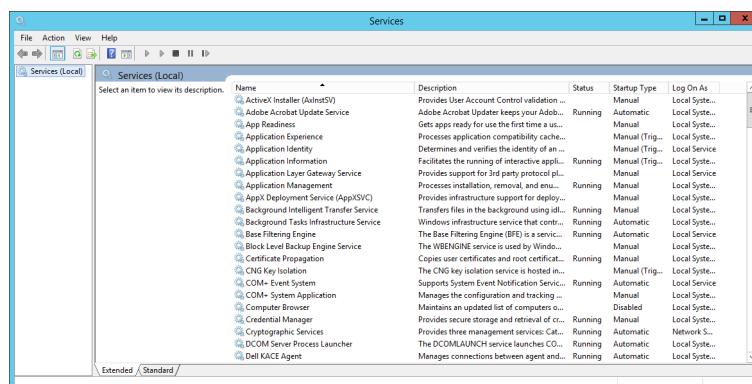


3. In the **Open** box, type the following application name:

`services.msc`

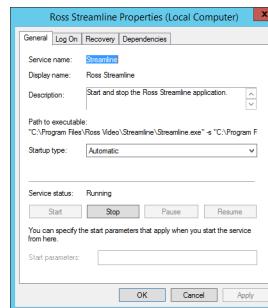
4. Click **OK**.

The Services window opens.



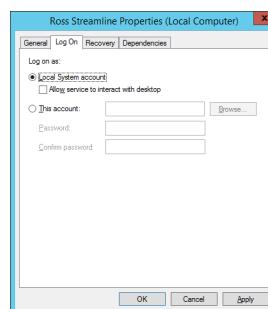
5. In the **Services** list, locate the **Ross Streamline** service.
6. Right-click the **Ross Streamline** service and select **Properties** from the shortcut menu.

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



7. Click the **Log On** tab.

The **Log On** tab opens.



8. Select the **This account** option.
9. In the **This account** box, enter **streamline**.
10. In the **Password** box, enter **<your_password>**.
11. In the **Confirm Password** box, enter **streamline**.

- Click **OK**.

A **Services** alert dialog box opens.

12. Click **OK**.

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

13. Click **OK**.

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

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

The **Services** window 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** — <your_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.

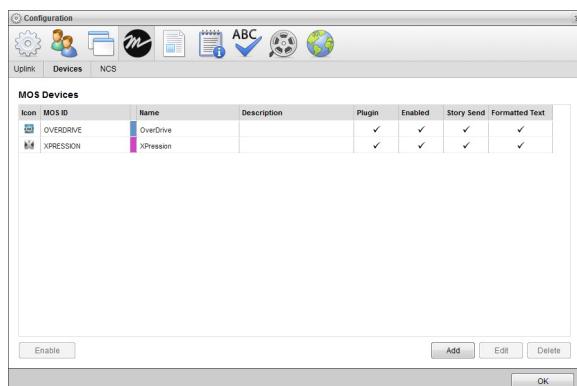
The **Configuration** window opens.

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.