

Raiden Commissioning Guide

VERSION 2.0

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Raiden Commissioning Guide

This document describes the installation and configuration process for Raiden, Ross Video's weather broadcast software. Raiden consists of four integrated applications: Data Aggregator, Local Server, Story Creator, and the Raiden DataLinq Server.

Before starting the installation, ensure that the system meets all prerequisites and that the Ross Platform Manager (RPM) is installed and configured for Raiden on your local network. The RPM's IP address is required during the setup of the Data Aggregator, Local Server, and Story Creator. Additionally, RPM is essential for managing user rights and must be set up for Raiden in advance, as administrative privileges are required to complete certain installation tasks. For detailed RPM configuration, refer to the *User Rights Management* section of the Raiden User Guide.

Prerequisites:

Before beginning the installation process, ensure the system meets the following minimum requirements:

Supported Operating Systems:

- **Windows 10 Pro**
- **Windows 11 Pro**
- **Windows Server 2019** (Version 1809)
- **Windows Server 2022** (Version 21H2)

Storage Requirements

Storage requirements vary depending on the installed Raiden application and the customer's data coverage. The recommended minimum storage allocations are:

- **Local Server:** 2TB or higher
- **Data Aggregator:** 512GB or higher
- **Story Creator:** 256GB or higher

★ Storage requirements may vary depending on customer configuration and data coverage.

Memory Requirements

To ensure optimal performance, the following memory configurations are recommended:

- **Local Server:** 64GB or higher
- **Data Aggregator:** 32GB or higher
- **Story Creator:** 16GB or higher

Default Ports

The following default ports are used during commissioning:

Component	HTTP Port	HTTPS Port
Data Aggregator	8081	8481
Local Server	8082	8482
Story Creator	8085	8485

- All Raiden web applications are accessed over HTTP or HTTPS, based on customer preference.
- If PostgreSQL is installed automatically during setup, do not change the default port (5433) unless required by the deployment requirements.

Licensing Requirements:

- **Product Key License:** The Raiden Product Key License(s), provided by Ross Video.
- **Ross Platform Manager (RPM):** Installed, configured for Raiden, and running on the local network.
- **XPression License Tool:** Included with the installation files if not already installed.

Required Reference Documentation

The following documentation may be required during commissioning and should be available during installation:

- *Raiden User Guide*
- *Ross Platform Manager User Guide*
- *XPression License Tool and Software Maintenance App Note*
- *XPression Software Licensing with RPM App Note*
- *XPression User Guide 12.6 (or newer)*

Deployment Recommendations

- It is strongly recommended to install Raiden applications and store data on a high-capacity drive that is separate from the operating system.
- Since Windows is typically installed on the **C:**\ drive, Raiden applications should be installed on a different drive, such as the **D:**\ drive.

The standard Raiden installation guide assumes installation in the **D:**\ drive.

- Shared components (e.g., PostgreSQL, Java) do not need to be installed again on the same machine if they are already set up.

Raiden Installation Overview

This section provides a high-level overview of the Raiden installation process.

Raiden System Components


A Raiden deployment consists of the following:

- Data Aggregator
- Local Server
- Local Server Interface (LSI)
- Raiden Data Server (optional, depending on workflow requirements)
- Story Creator
- Raiden XPression Plugin (installed on the XPression machine)
- Ross Platform Manager (RPM) (required for user rights management and licensing)
- Optional integration components include: Raiden Voyager Plugin (installed on the Voyager machine)

Installation Overview

Install the Raiden components in the following order:

[Data Aggregator Installation](#)  4

[Local Server Installation](#)  18

[Raiden Data Server Installation](#)  36

[Story Creator Installation](#)  40

Post-Installation Configuration

After the Raiden components are installed, additional configuration is required before the system can be used. Configuration for the Raiden applications (Data Aggregator, Local Server, and Story Creator) is performed through their web-based configuration interfaces. Detailed procedures are provided in the *Raiden User Guide*.

Configuration for the XPression environment and optional Voyager integration is described in the following sections of this guide:

[XPression Environment Setup](#)  60

[Voyager Integration](#)  66

Data Aggregator Installation

This section provides instructions for installing the Data Aggregator.

The process includes the following:

[Installing the Data Aggregator](#) 

[Installing the Data Aggregator License](#) 

[Verifying the Data Aggregator is Operational](#) 

Installing the Data Aggregator

This section describes installing the Data Aggregator application.

★ **Note:** Administrative privileges are required to install PostgreSQL, PostGIS, Java, and the Raiden application.

To install the Data Aggregator:

1. Double-click the **Raiden Data Aggregator vx.x.x.xxxx Setup.exe** file to open the **Raiden Data Aggregator Setup Wizard**.

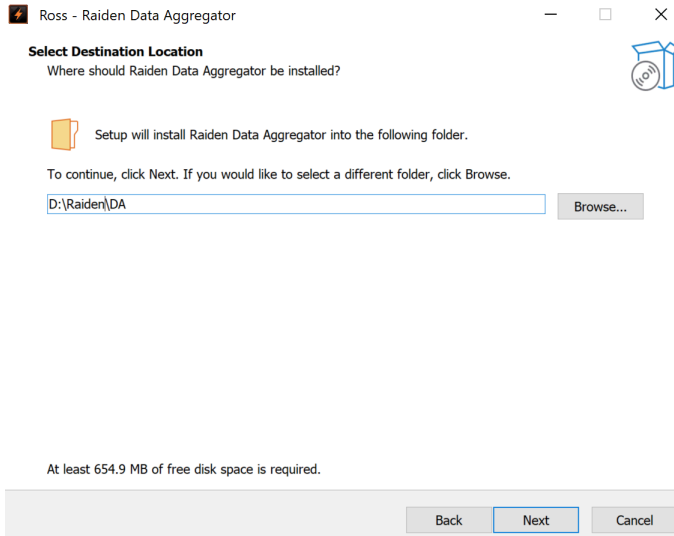
The **License Agreement** page opens.



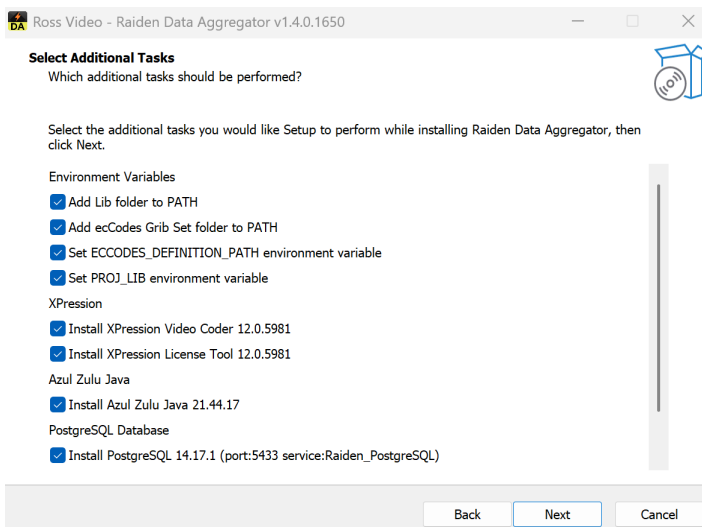
2. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.

3. In the **Select Destination Location** page, select the **Browse** button to navigate to the folder in which you want to install the Data Aggregator and then select **Next**.

★ **Note:** It is recommended to install the application in the **D:\Raider\DA** directory.

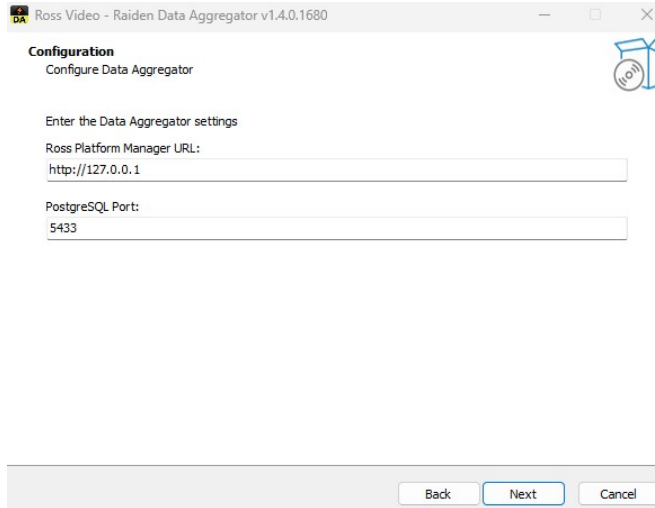


4. In the **Select Additional Task** page, select the required components to be installed, and select **Next**.

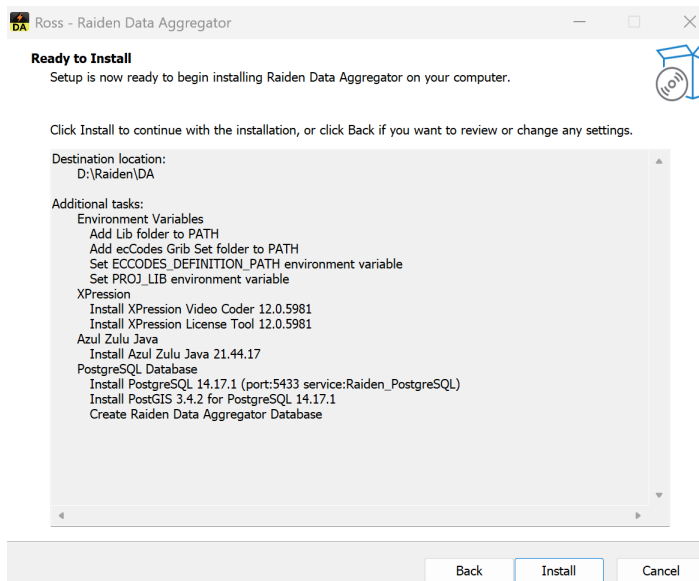


5. In the **Configuration** page, enter the Ross Platform Manager URL, PostgreSQL Port, and then select **Next**.

★ If RPM is hosted on a different machine, update these fields with the appropriate IP address and Port number.



6. In the **Ready to Install** page, select **Install** to begin installation.

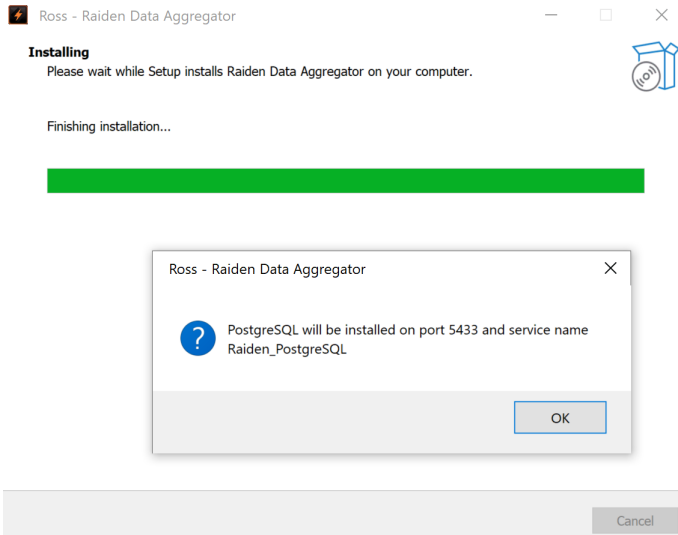


After selecting **Install**, the installation process begins. As part of this process, PostgreSQL and then PostGIS will be installed automatically, if required. These installations are integrated into the installation process.

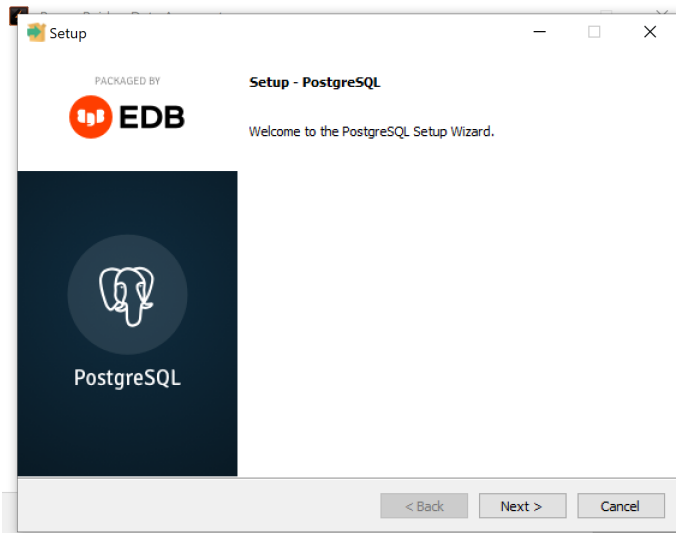
7. Install **PostgreSQL** (if applicable) as follows:

★ **Note:** If this component was not selected (because it is already installed), this step will be skipped automatically.

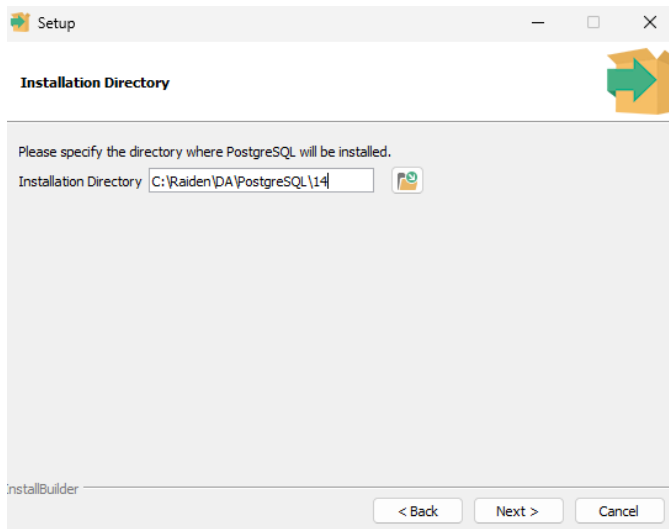
a. In the **Ross - Raiden Data Aggregator PostgreSQL** installation dialog, select **OK**.



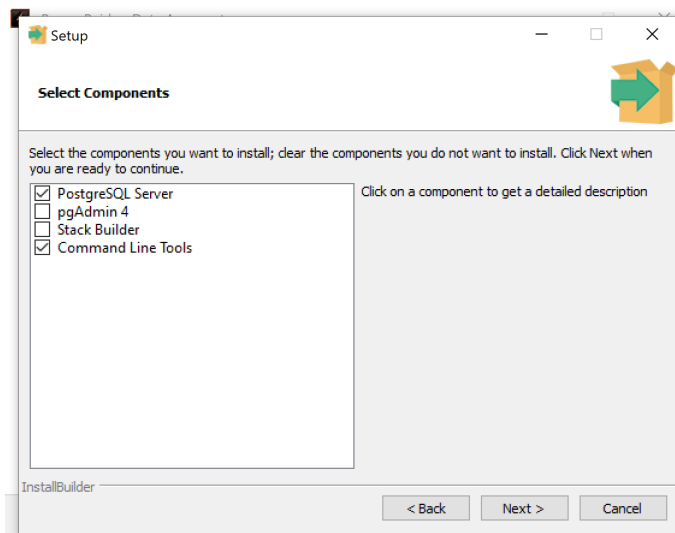
b. In the **Setup - PostgreSQL** page, select **Next**.



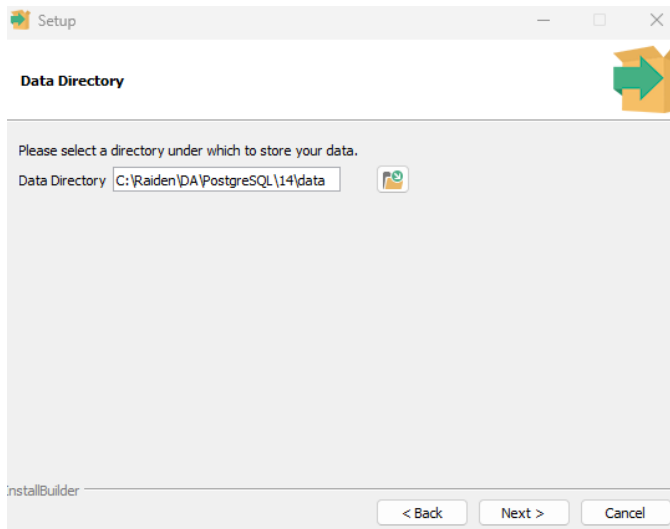
- c. In the **Installation Directory** page, specify the folder where PostgreSQL will be installed.



- d. In the **Select Components** page, select **Next**.

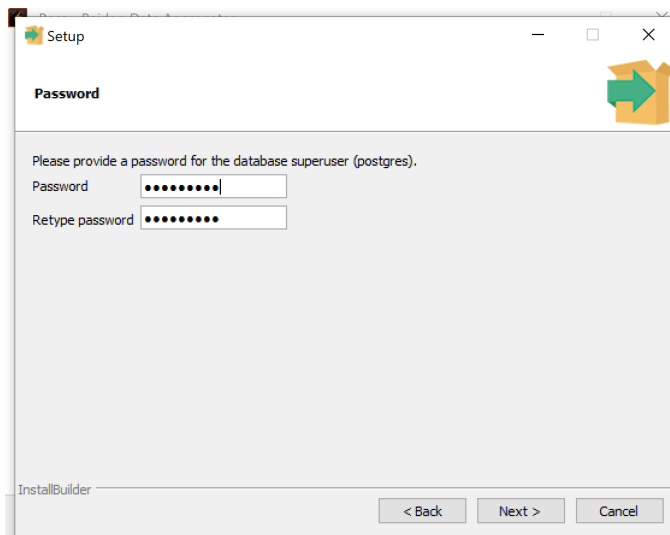


- e. In the **Data Directory** page, specify the folder where PostgreSQL will store its data.



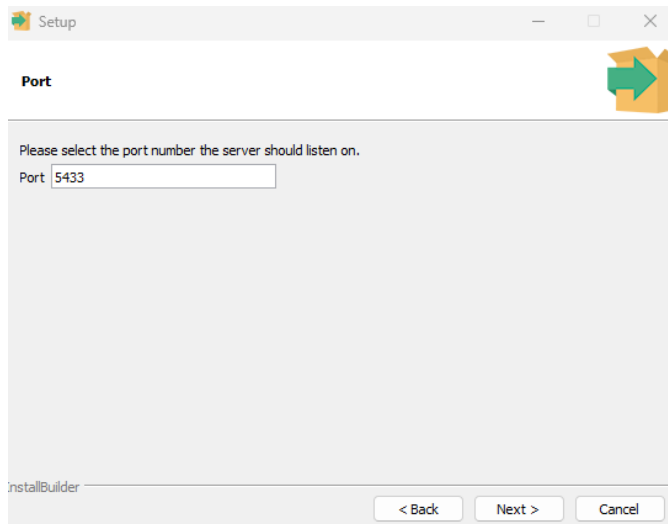
- f. In the **Password** page, select **Next**.

★ Do not change the default password.



g. In the **Port** page, select **Next**.

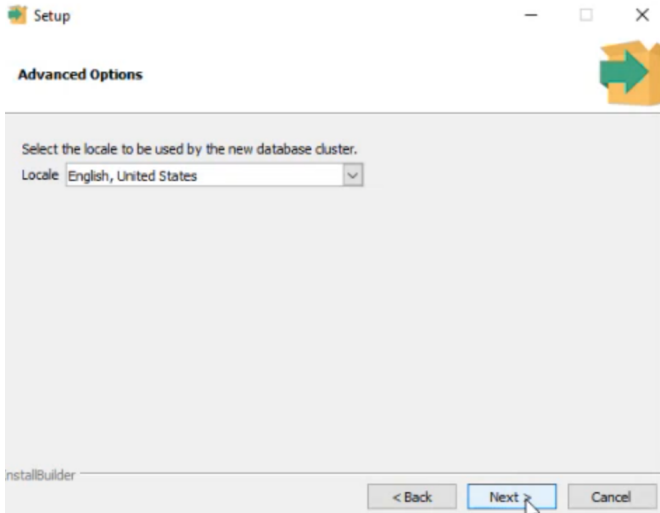
★ Do not change the default port (5433).



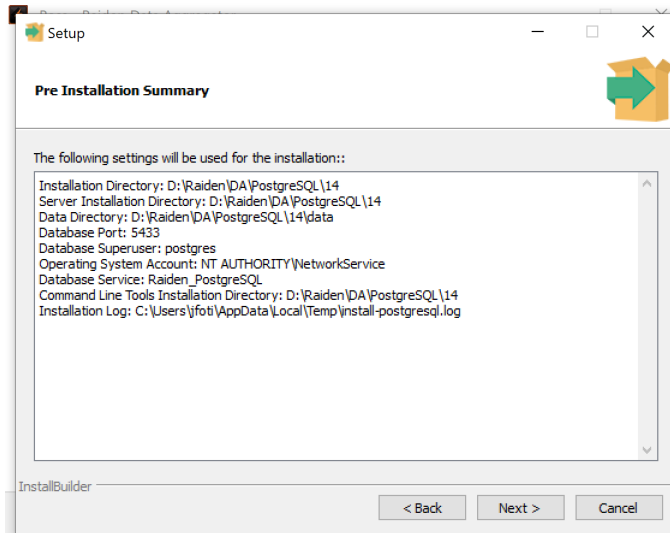
The **Advanced Options** page opens with the **English, United States** as the default language selected.

h. In the **Advanced Options** page, select **Next**.

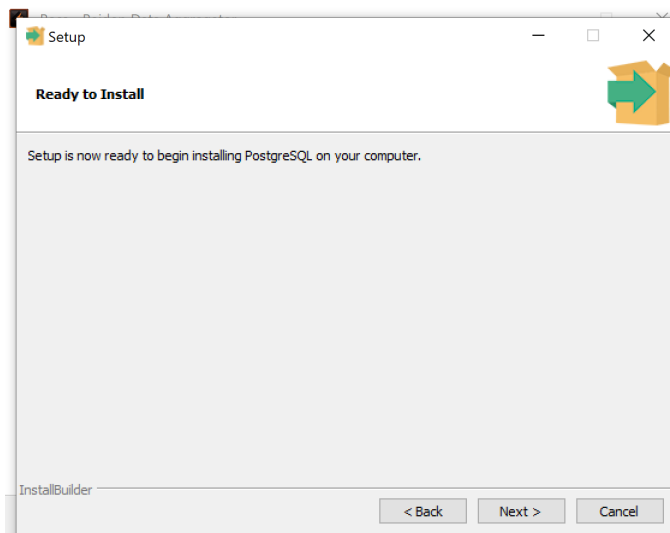
★ Do not change the default language.



- i. In the **Pre Installation Summary** page, select **Next**.

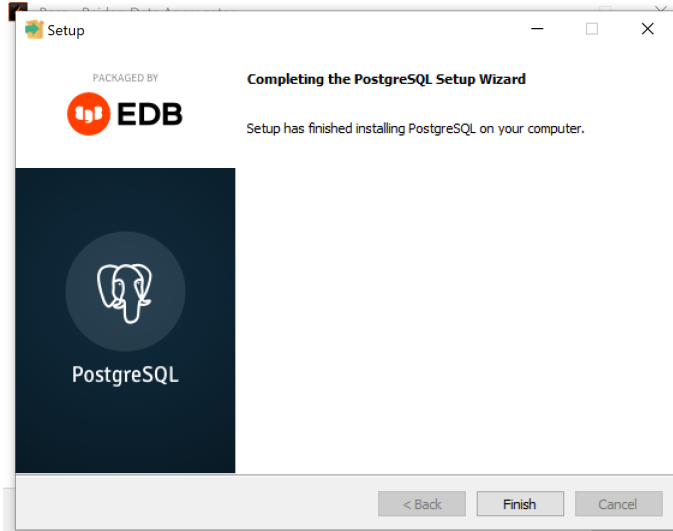


- j. In the **Ready to Install** page, select **Next**.



The **PostgreSQL Installation Progress** page is displayed.

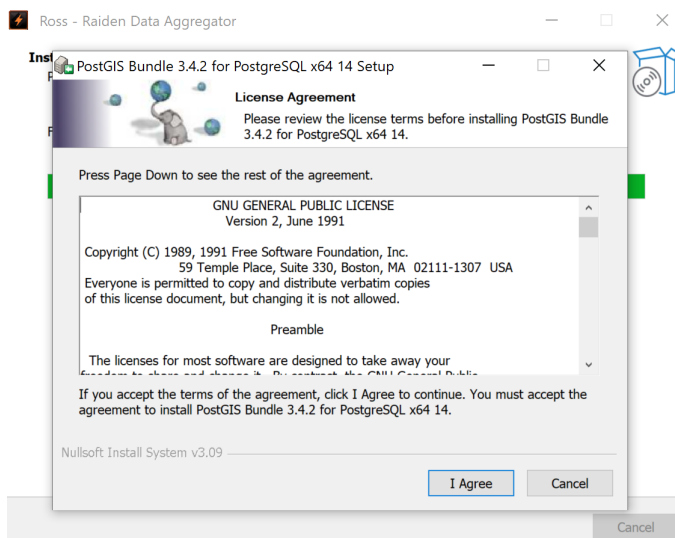
- k. In the **Completing the PostgreSQL Setup Wizard** page, select **Finish**.



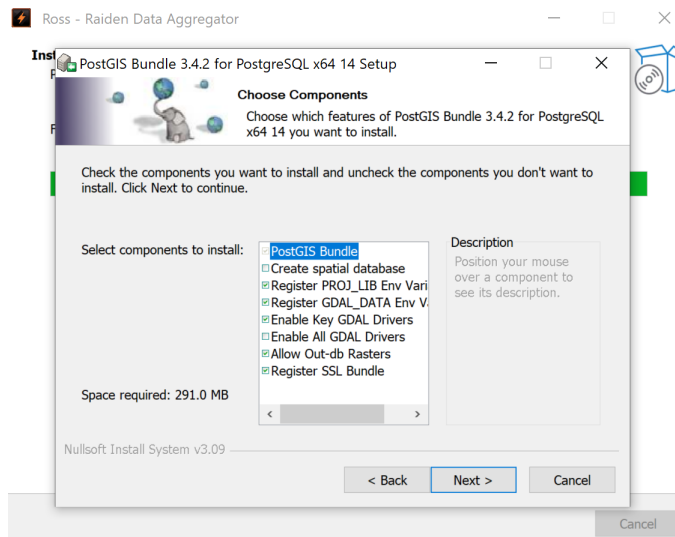
8. Install **PostGIS** (if applicable) as follows:

Note: If this component was not selected (because it is already installed), this step will be skipped automatically.

- a. In the **License Agreement** page, read the license agreement, and select **I Agree** to continue the installation.

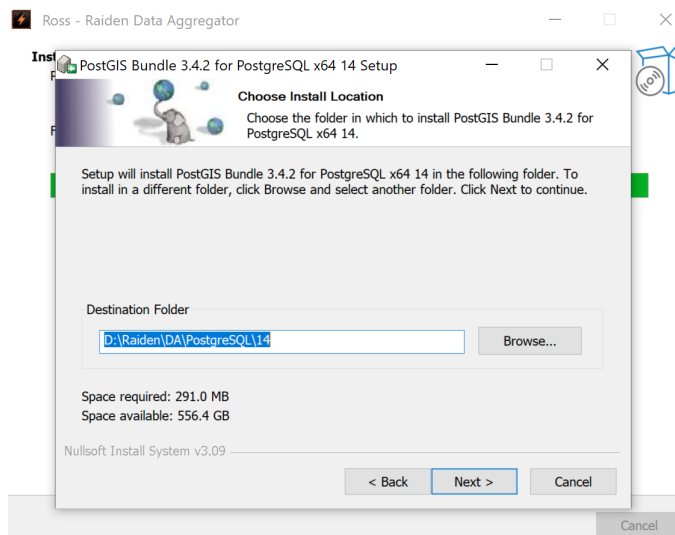


The **Choose Components** page opens.



b. In the **Choose Components** page, keep the default selections and select **Next**.

The **Choose Install Location** page opens.

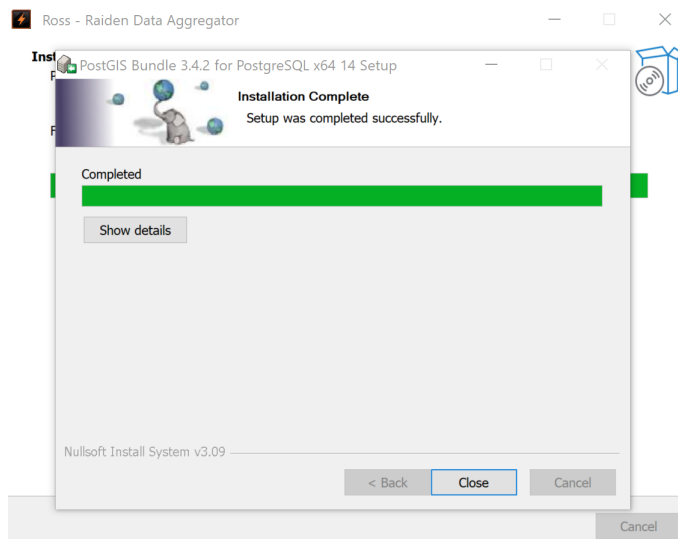


c. In the **Choose Install Location** page, select the **Browse** button to navigate to the folder in which you want to install the PostGIS and then select **Next**.

★ PostGIS must be installed in the same folder as PostgreSQL. Users can install PostgreSQL on any drive, including **C:**, as long as PostGIS is installed in the same location.

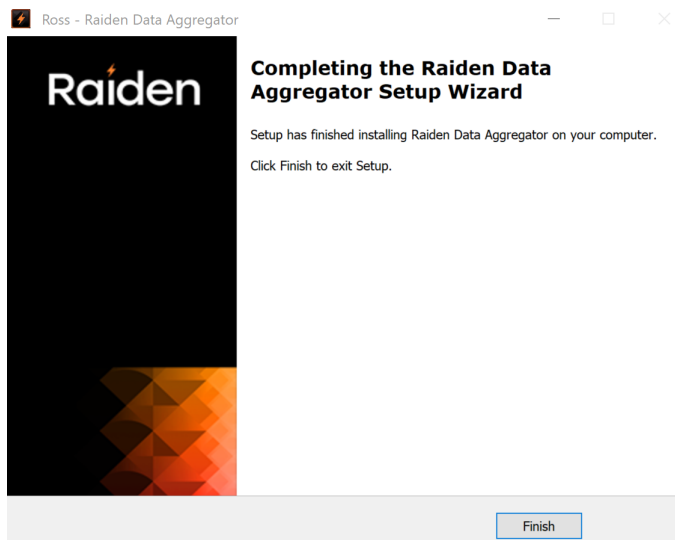
The installation starts and the installation progress is shown.

d. In the **Installation Complete** page, select **Close**.



The Raiden Data Aggregator database setup begins.

9. In the **Completing the Raiden Data Aggregator Setup Wizard** page, select **Finish**.



The Data Aggregator is installed.

10. Next, [install the Data Aggregator License](#) .

Installing the Data Aggregator License

The Data Aggregator requires a valid license to operate. This section explains how to add the license before running the application. To add the license, you need the XPression License Tool, which was either installed during the Data Aggregator installation or already available if previously installed.

★ **Important:** Before installing licenses or running Raiden applications, ensure that Ross Platform Manager (RPM) is configured for Raiden user access. Required roles must be created in RPM and assigned to users. For instructions, see [Appendix A: Raiden User Rights Management](#)^[74] in this guide and the *Ross Platform Manager User Guide*.

Raiden licenses are installed using the XPression License Tool after the Raiden product key is added to RPM. For detailed RPM configuration and XPression License Tool procedures, refer to the documents listed in the [Required Reference Documentation](#)^[2] section.

To install the Raiden product key license:

1. Use the Ross Platform Manager (RPM) to add and activate the Raiden product key license provided by Ross Video.
2. Once the Raiden product key license has been activated, install it on the Data Aggregator server using the XPression License Tool.
3. Upon completing the licensing process, [verify the Data Aggregator is operational](#)^[16].

Verifying the Data Aggregator is Operational

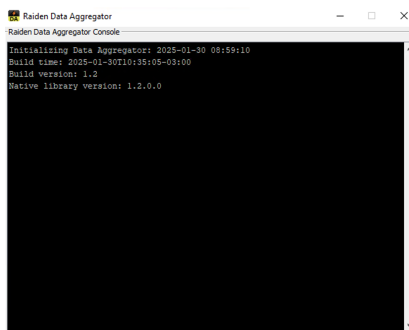
Once you have the Data Aggregator license installed, you can run the Data Aggregator.

Note: Running the application as an administrator ensures the user has sufficient permissions to create, move, copy, and delete necessary files. However, a system user with the appropriate read and write permissions for the required directories can also run the application successfully.

To run the Data Aggregator:

1. In the **Raiden** folder, open the **Data Aggregator** subfolder and right-click on the **data_aggregator.bat** file.
2. From the options menu, select **Run as administrator**.

The **Raiden Data Aggregator Console** opens showing the version that is running and the Raiden Data Aggregator icon appears in the system tray.



Raiden Data Aggregator Console

3. Open your web browser and in the URL field enter the IP address of the Data Aggregator Server (**xx.xx.xxx.:8081**).
4. Press **Enter**.

You will be taken to the Data Aggregator Server **Login** page.

5. Log in with your **User** name and **Password**.

By successfully logging in and accessing the Data Aggregator on the web, you have confirmed that the Data Aggregator has been successfully installed and is running as intended.

6. Next, you will need to [install the Local Server](#)¹⁷.

Local Server Installation

This section describes installing the Local Server application.

The process includes the following:

[Retrieving an API Key from the Data Aggregator](#) 

[Installing the Local Server](#) 

[Installing the Local Server License](#) 

[Installing the Local Server Interface](#) 

[Verifying the Local Server is Operational](#) 

Retrieving an API Key from the Data Aggregator

Before installing the Local Server, you must retrieve an API key from the Data Aggregator. This key is essential for establishing a connection between the Local Server and the Data Aggregator.

Follow the procedure below to generate and copy the API key.

To retrieve the API Key:

1. Log into Data Aggregator, and go to **Endpoints** tab.
2. Select the **+Add** button.
The **New Endpoint Group** window opens.
3. In the **Name** field, enter a name for the new endpoint group and select **Create**.
The new endpoint group is created and appears in the Endpoints list.
4. Select the **+ Add** button for the new endpoint group you created.
The **New Endpoint** window opens.
5. In the **Name** field, enter a name for the new endpoint.
6. In the **API Key** field, copy the API Key.
This API key will be used to connect the Local Server to the Data Aggregator.
7. Select **Create**.
The new Endpoint is created and saved to the Endpoint Group.
8. Proceed to the [Installing the Local Server](#) ¹⁹ section.

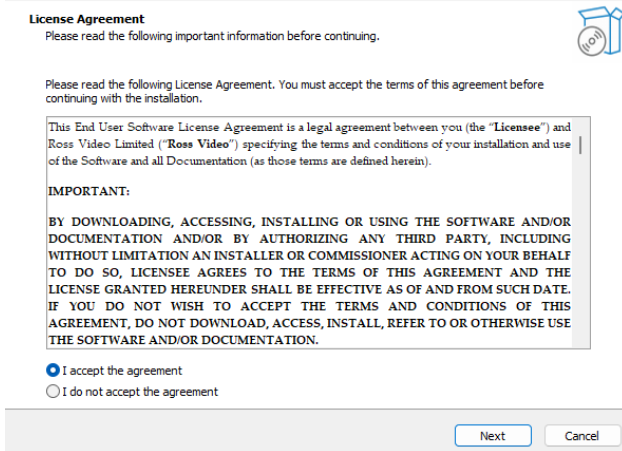
Installing the Local Server

This section describes installing the Local Server.

★ **Note:** Administrative privileges are required to install PostgreSQL, PostGIS, Java, and the Raiden application.

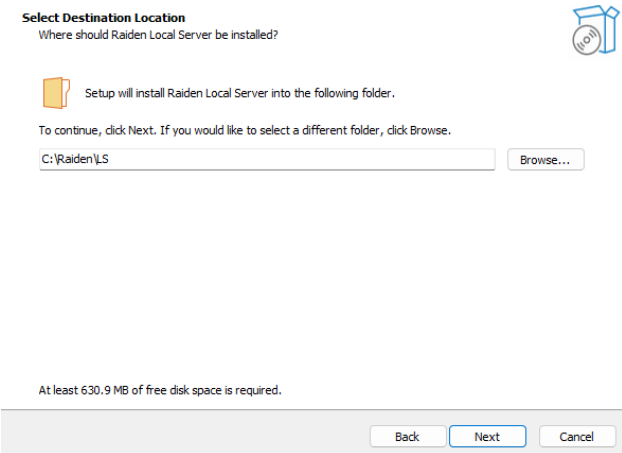
To install the Local Server:

1. Double-click the **Raiden Local Server vx.x.x.xxxx Setup.exe** file to open the **Raiden Local Server Setup Wizard**.
2. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.



3. In the **Select Destination Location** page, select the **Browse** button to navigate to the folder in which you want to install the Local Server and then select **Next**.

★ It is recommended to install the application in the **D:\Raiden\LS** directory.



4. In the **Select Additional Task** page, select the components to be installed, and select **Next**.

Select Additional Tasks
Which additional tasks should be performed?

Select the additional tasks you would like Setup to perform while installing Raiden Local Server, then click Next.

Environment Variables

- Add Lib folder to PATH
- Set PROJ_LIB environment variable

XPression

- Install XPression Video Coder 12.0.5981
- Install XPression License Tool 12.0.5981

Azul Zulu Java

- Install Azul Zulu Java 21.48.15

PostgreSQL Database

- Install PostgreSQL 14.21.1 (service:Raiden_PostgreSQL)
- Install PostGIS 3.4.2 for PostgreSQL 14.19.1
- Create Local Server Database

Back Next Cancel

5. In the **Configuration** page, enter the required Local Server settings and then select **Next**.

★ If RPM is hosted on a different machine, update the **Ross Platform Manager URL** field with the appropriate IP address.

Configuration
Configure Local Server

Enter the Local Server settings

Ross Platform Manager URL:
http://127.0.0.1

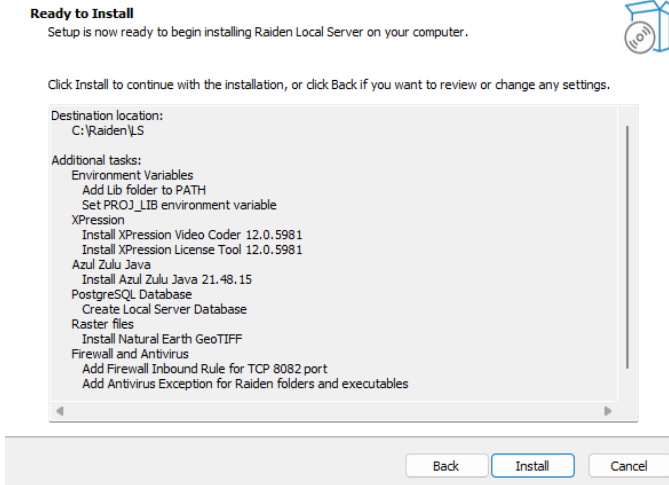
Data Aggregator URL:
http://127.0.0.1:8081

Data Aggregator API Key:

PostgreSQL Port:
5433

Back Next Cancel

6. In the **Ready to Install** page, select **Install** to begin installation.

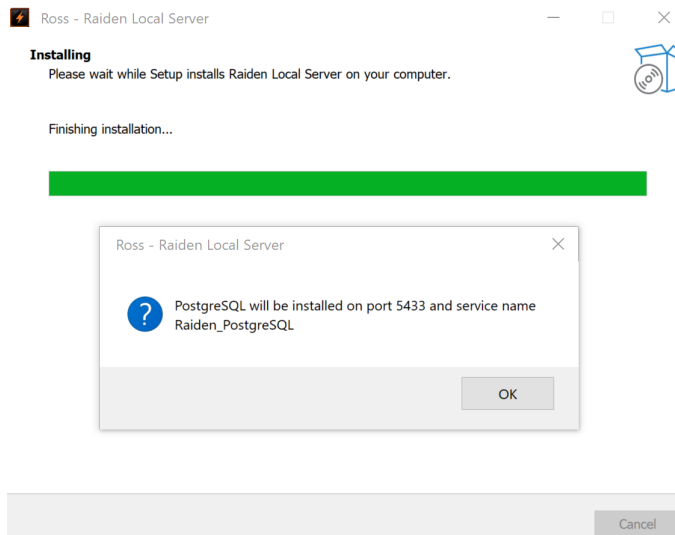


After selecting **Install**, the installation process begins. As part of this process, PostgreSQL and then PostGIS will be installed automatically, if required. These installations are integrated into the installation process.

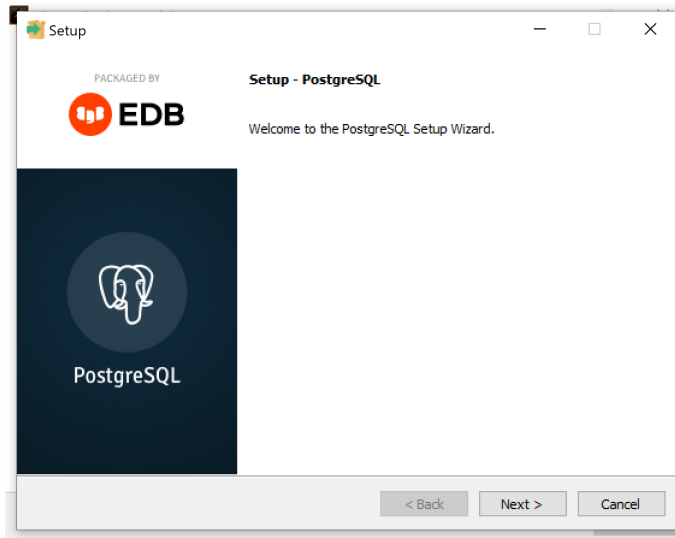
7. Install **PostgreSQL** (if applicable) as follows:

★ **Note:** If this component was not selected (because it is already installed), this step will be skipped automatically.

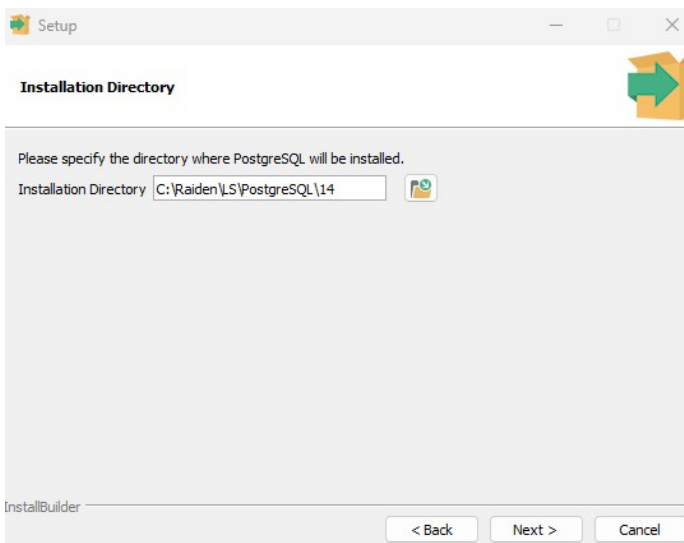
a. In the **Ross - Raiden Local Server PostgreSQL** installation dialog, select **OK**.



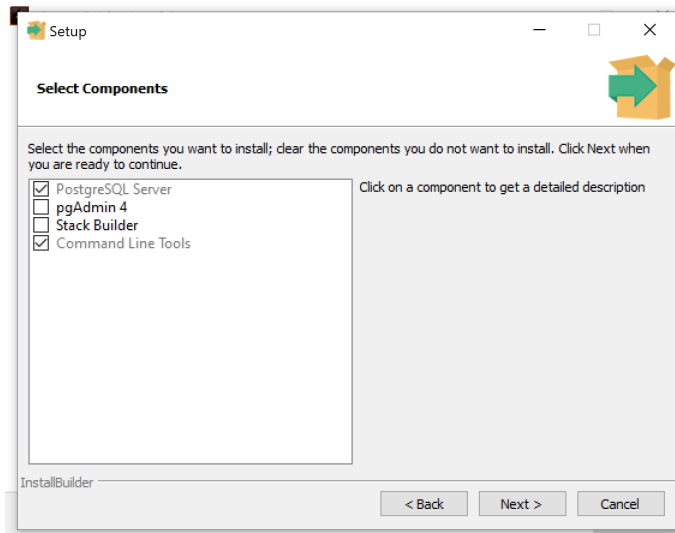
b. In the **Setup_PostgreSQL** page, select **Next**.



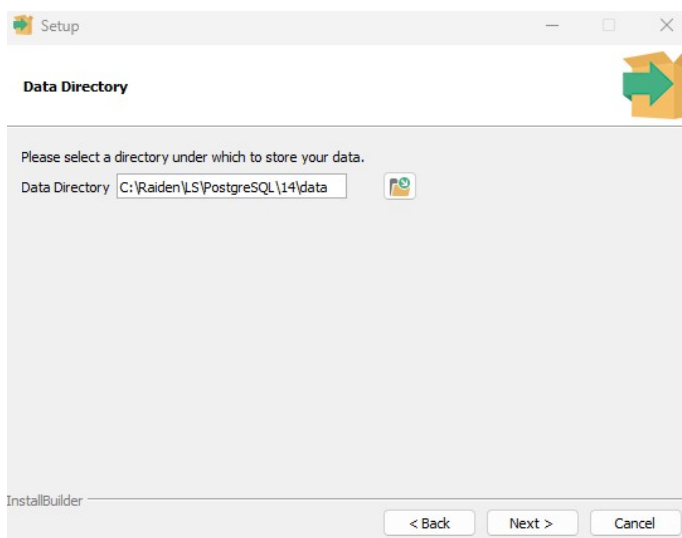
c. In the **Installation Directory** page, specify the folder where PostgreSQL will be installed.



d. In the **Select Components** page, select **Next**.

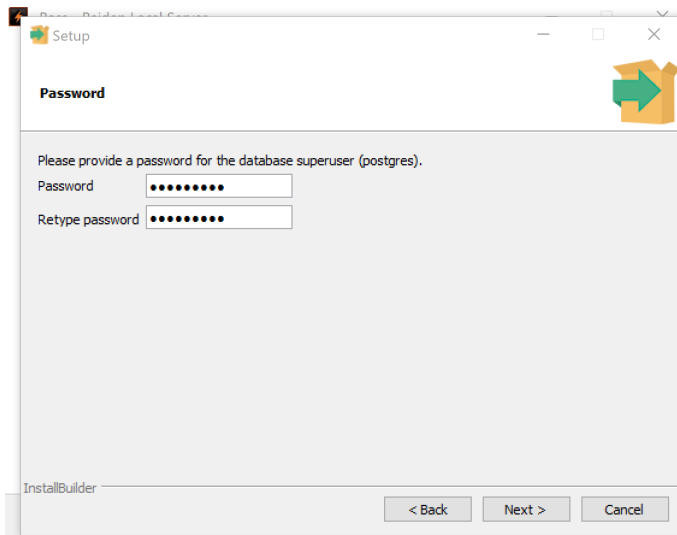


e. In the **Data Directory** page, specify the folder where PostgreSQL will store its data.



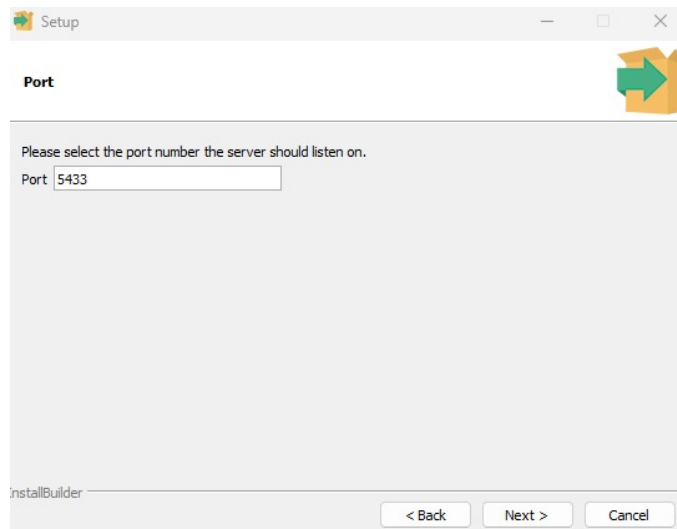
f. In the **Password** page, select **Next**.

★ Do not change the default password.



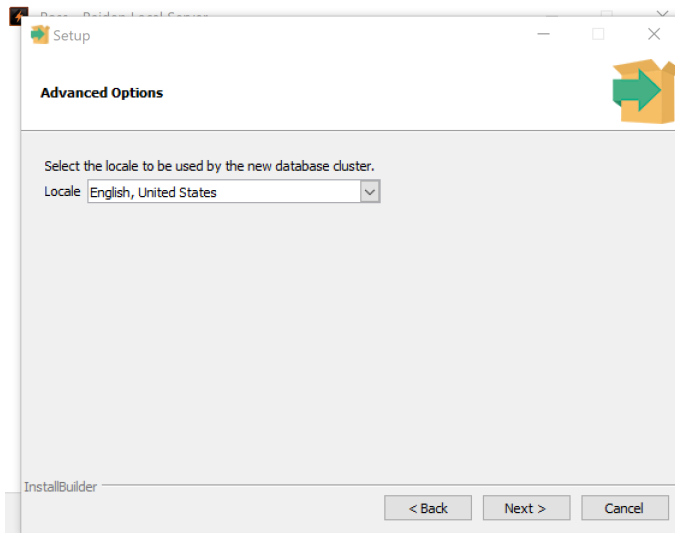
g. In the **Port** page, select **Next**.

★ Do not change the default port number (5433).

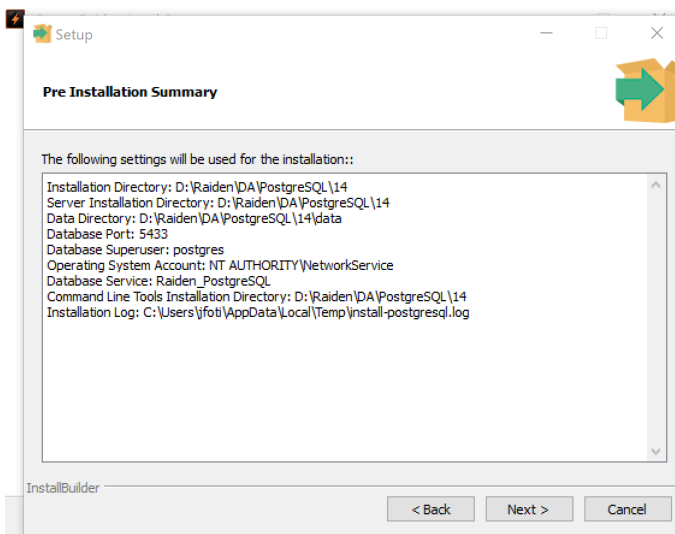


h. In the **Advanced Options** page, select **Next**.

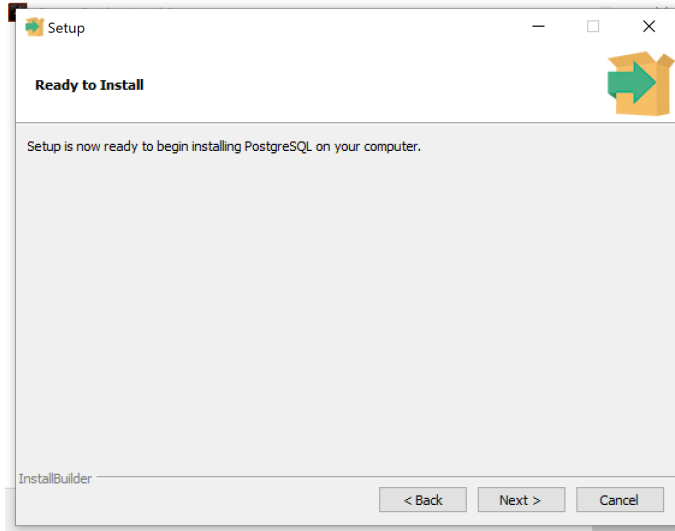
★ Do not change the default **Locale** language setting.



i. In the **Pre Installation Summary**, select **Next**.

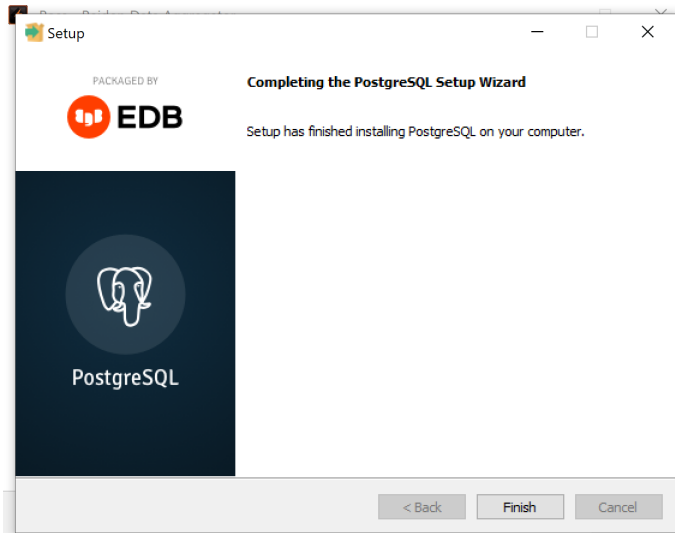


- j. In the **Ready to Install** page, select **Next**.



The PostgreSQL installation process begins.

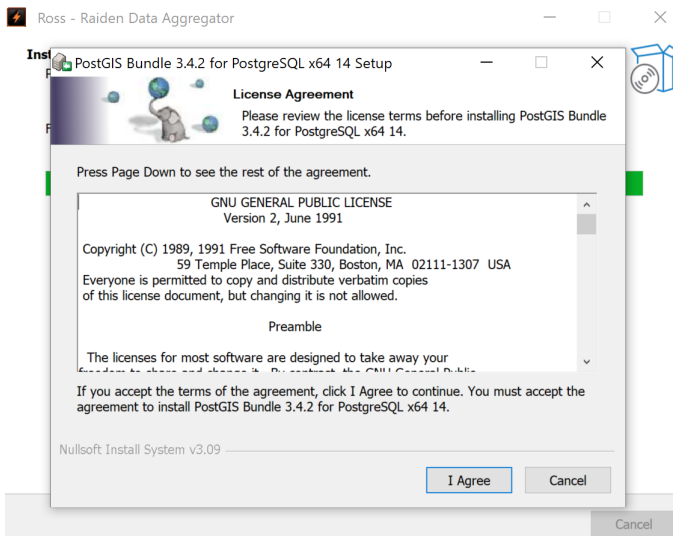
- k. In the **Completing the PostgreSQL Setup** page, select **Finish**.



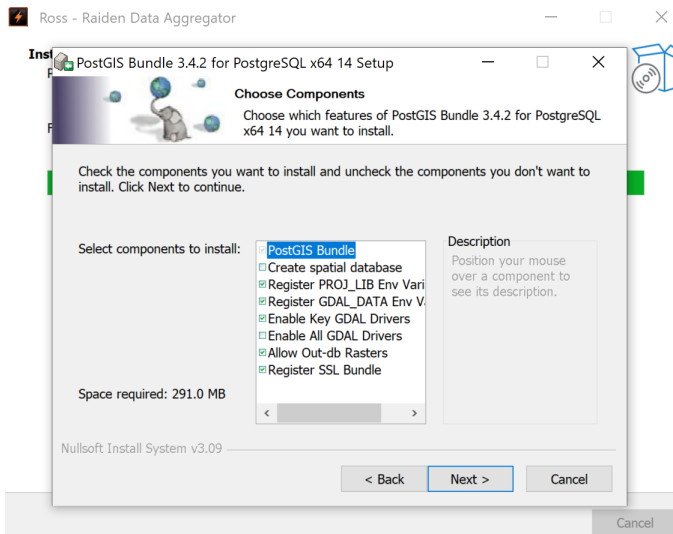
8. Install **PostGIS** (if applicable), as follows:

★ **Note:** If this component was not selected (because it is already installed), this step will be skipped automatically.

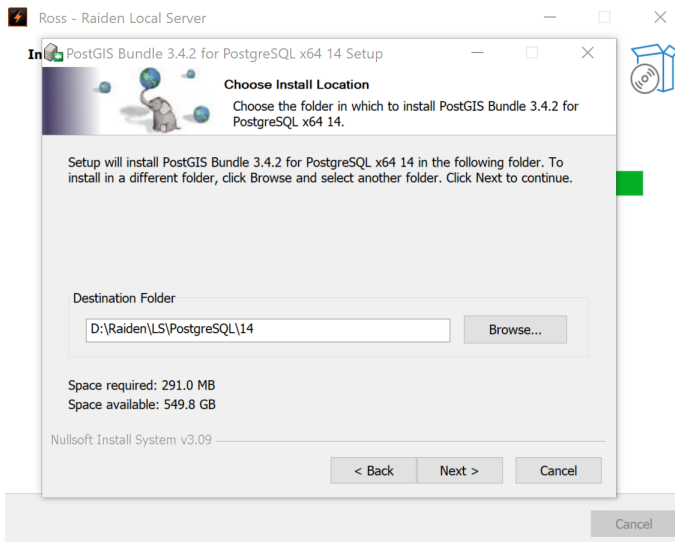
- In the **Ross - Raiden Local Server PostGIS** dialog, select **OK**.
- In the **License Agreement** page, read the license agreement, and select **I Agree** to continue the installation.



The **Choose Components** page opens.



- c. In the **Choose Components** page, keep the default selections and select **Next**.
The **Choose Install Location** page opens.

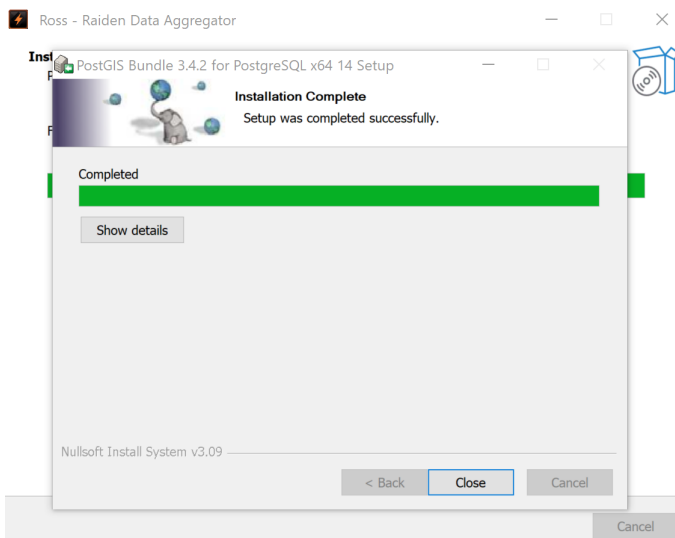


- d. In the **Choose Install Location** page, select the **Browse** button to navigate to the folder in which you want to install PostGIS and then select **Next**.

★ PostGIS must be installed in the same folder as PostgreSQL. Users can install PostgreSQL on any drive, including C:, as long as PostGIS is installed in the same location.

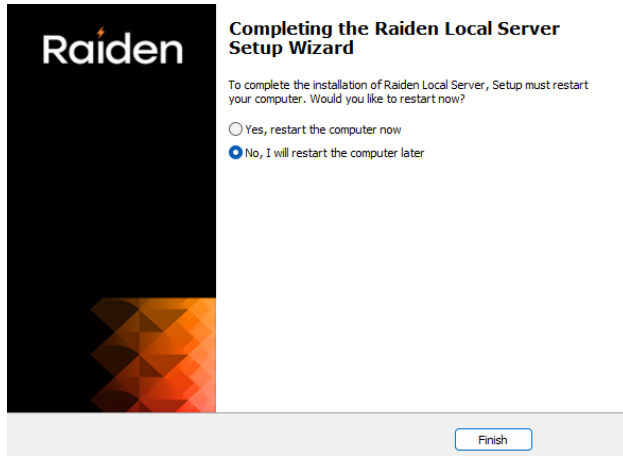
The PostGIS installation begins

- e. In the **Installation Complete** page, select **Close**.



The Local Server database setup begins.

9. In the **Completing the Raiden Local Server Setup Wizard** page, select whether to restart the computer, and then select **Finish**.



The Local Server is installed.

10. Next, [install the Local Server license](#) ²⁰.

Installing the Local Server License

The Local Server requires a valid license to operate. This section explains how to add the license before running the application. To add the license, you need the XPression License Tool, which was either installed during the Local Server installation or already available if previously installed.

★ **Important:** Before installing licenses or running Raiden applications, ensure that Ross Platform Manager (RPM) is configured for Raiden user access. Required roles must be created in RPM and assigned to users. For instructions, see [Appendix A: Raiden User Rights Management](#)^[74] in this guide and the *Ross Platform Manager User Guide*.

Raiden licenses are installed using the XPression License Tool after the Raiden product key is added to RPM. For detailed RPM configuration and XPression License Tool procedures, refer to the documents listed in the [Required Reference Documentation](#)^[2] section.

To install the Raiden product key license:

1. Use the Ross Platform Manager (RPM) to add and activate the Raiden product key license provided by Ross Video.
2. Once the Raiden product key license has been activated, install it on the Local server using the XPression License Tool.
3. Upon completing the licensing process, [verify the Local Server is operational](#)^[31].

Verifying the Local Server is Operational

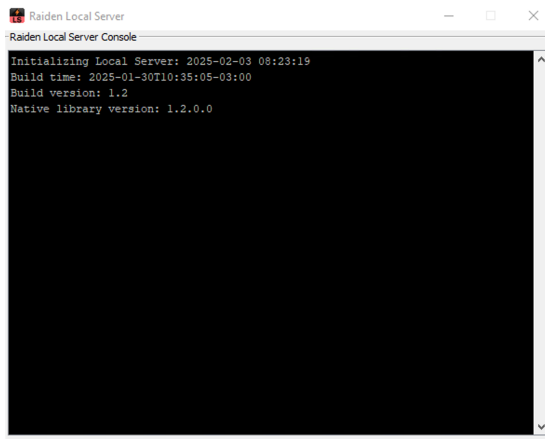
Once you have the Local Server license installed, you can run the Local Server.

Note: Running the application as an administrator ensures the user has sufficient permissions to create, move, copy, and delete necessary files. However, a system user with the appropriate read and write permissions for the required directories can also run the application successfully.

To run the Local Server:

1. In the **Local Server** directory, right-click on the **local_server.bat** file.
2. From the options menu, select **Run as administrator**.

The **Local Server Console** opens showing the version that is running.



Local Server Console

The Local Server is running.

3. Open your web browser and in the URL field enter the IP address of the Local Server (**xx.xx.xxx.:8082**).
You will be taken to the Local Server **Login** page.
5. Log in with your **User** name and **Password**.
By successfully logging in and accessing the Local Server on the web, you have confirmed that the Local Server has been successfully installed and is running as intended.
6. Next, you will need to install the [Local Server Interface](#) ³².

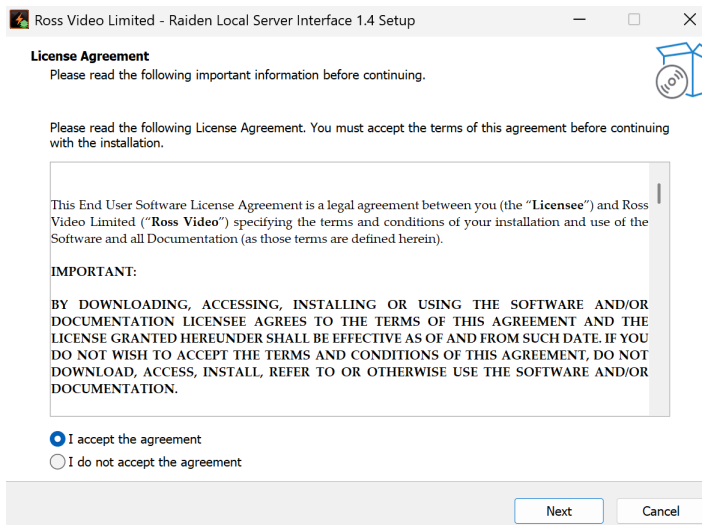
Installing the Local Server Interface

The Local Server Interface is a utility that enables other applications, such as Story Creator, to communicate with the Local Server and visualize data from it. This utility must be installed and running on the same machine as the Local Server to ensure seamless integration and functionality.

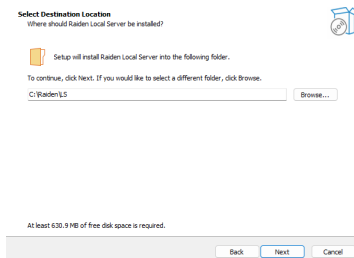
★ Administrative privileges are required to complete the installation successfully.

To install the Local Server Interface:

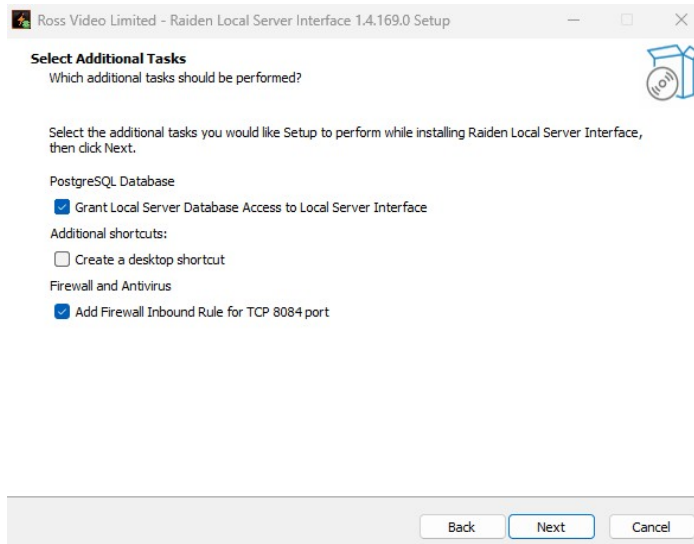
1. Run the **Raiden Local Server Interface setup.exe** to start the installation.
2. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.



3. In the **Select Destination Location Page**, select the **Browse** button to navigate to the folder in which you want to install the Local Server Interface and then select **Next**.



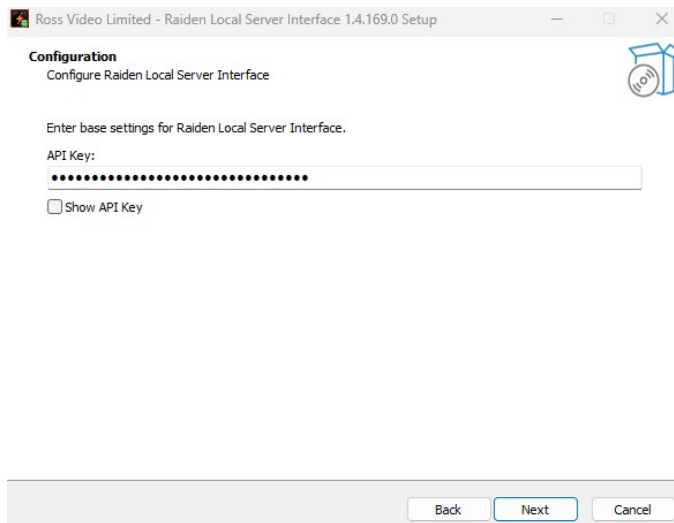
4. In the **Select Additional Tasks** page, enable the **Grant Local Server Database Access to Local Server Interface** setting and select **Next**.



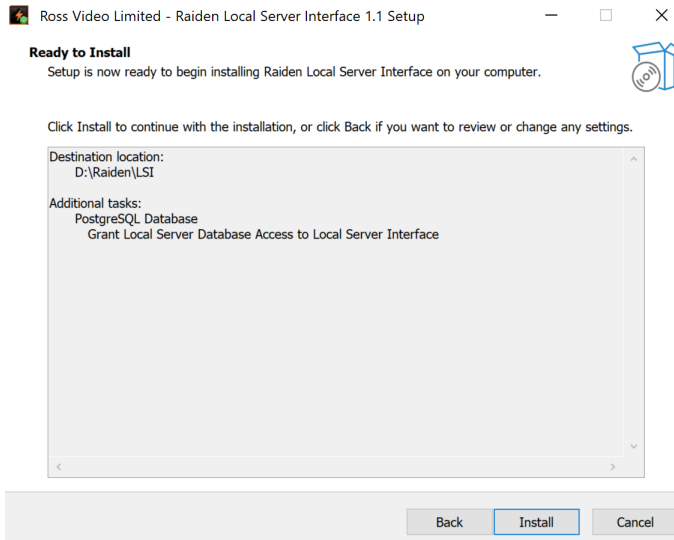
5. In the **Configuration** page, select **Next**.

★ Do not change the default API Key.

Note: When the default API Key is displayed on this page, save a copy of it for later use. This key will be required when configuring the Raiden Story Creator to connect with this component. If you do not record the key during installation, you can retrieve it later from the Local Server Installation's configuration file (config.json file in the Local Server Installation directory).

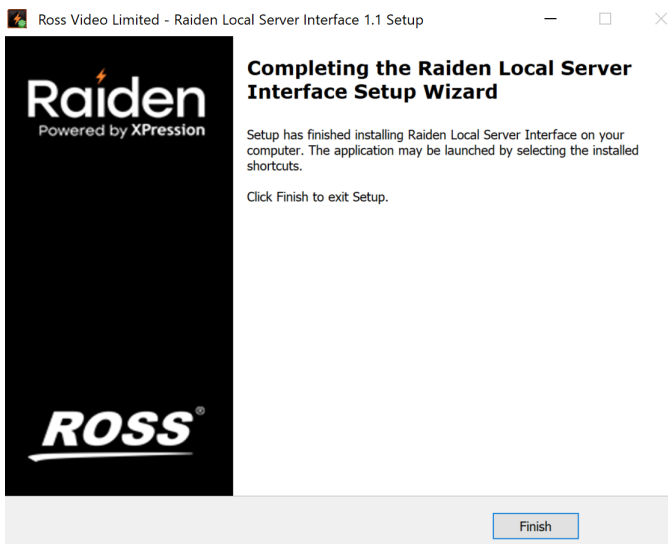


6. In the **Ready to Install** page, select **Install** to begin installation.



The installation process begins.

7. In the **Local Server Interface Setup Wizard** page, select **Finish**.



8. In the **Raideen** directory, open the **LSI** folder, right-click the **RaideenLSInterface.exe** file, and select **Run as Administrator** from the options menu.

The Local Server Interface is now running.

9. Next, you will need to [install Raideen Data Server](#)³⁶.

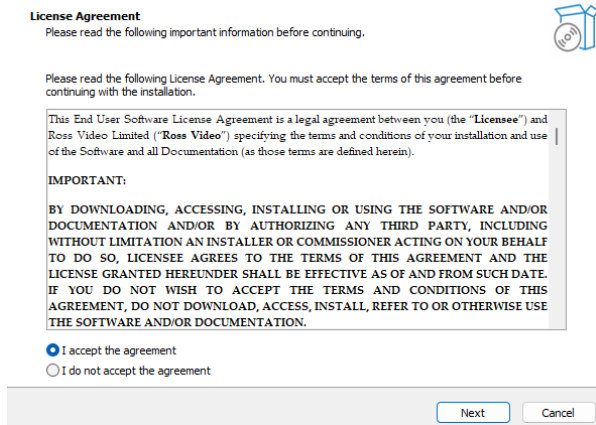
Raiden Data Server Installation

If you want to use DataLinq workflow for XPression or Voyager, you will need to install the Raiden Data Server on the Local Server machine.

★ Ensure you have administrative privileges to complete the installation successfully.

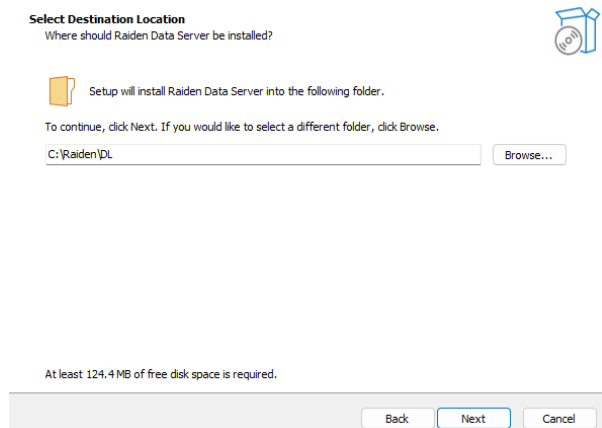
To install the Raiden Data Server:

1. Run the **Raiden Data Server Setup.exe** file to start the installation.
2. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.




3. In the **Select Destination Location** page, select the **Browse** button to navigate to the folder in which you want to install Raiden Data Server and then select **Next**.

★ **IMPORTANT:** It is strongly recommended to install the Raiden Data Server on a secondary drive with at least 2TB of storage, separate from the operating system drive.



4. In the **Select Additional Tasks** page, select the following:

- **Azul Zulu Java** - Required (unless already installed)
- **Grant Local Server Database Access to Data Server** - Required

Select Additional Tasks 
Which additional tasks should be performed?

Select the additional tasks you would like Setup to perform while installing Raiden Data Server, then click Next.

Java

Install Azul Zulu Java 21.48.15 (Only if not previously installed)

Database

Grant Local Server Database Access to Data Server

Firewall and Antivirus

Add Firewall Inbound Rule for TCP 8083 port


Add Antivirus Exception for Raiden folders and executables

Back Next Cancel

5. Select **Next**.

6. In the **Configuration** page, select **Next**.

★ The configuration fields are automatically populated. Do not change these values.

Configuration 
Configure Raiden Data Server

Enter base settings for Raiden Data Server.

API Key:
.....

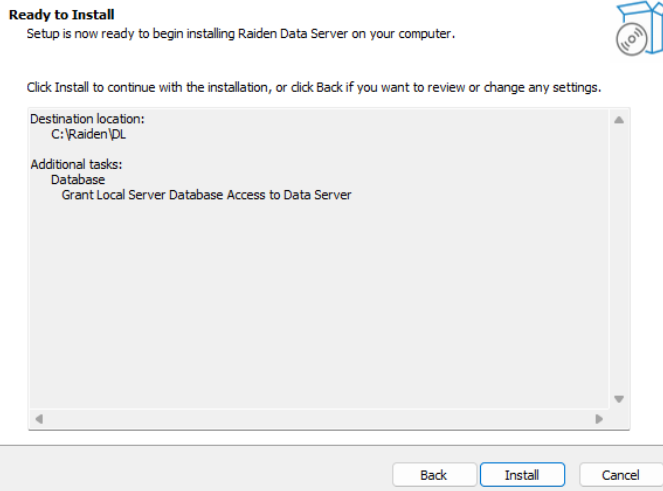
Show API Key

Local Server URL:
http://127.0.0.1:8082/

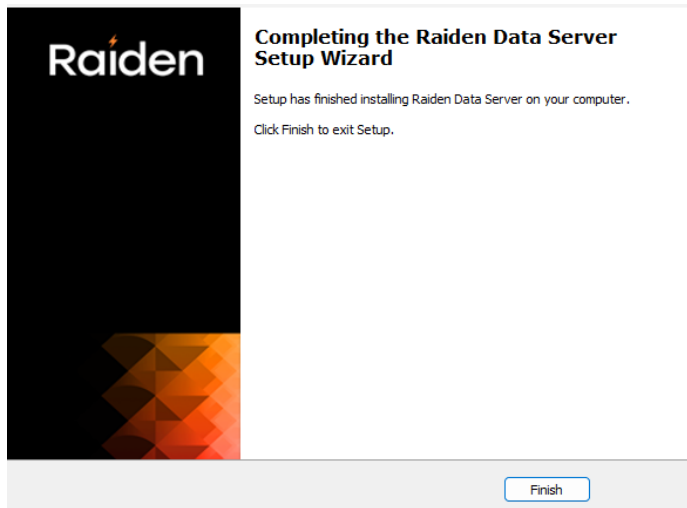
PostgreSQL Port:
5433

Back Next Cancel

7. In the **Ready to Install** page, select **Install** to begin installation.

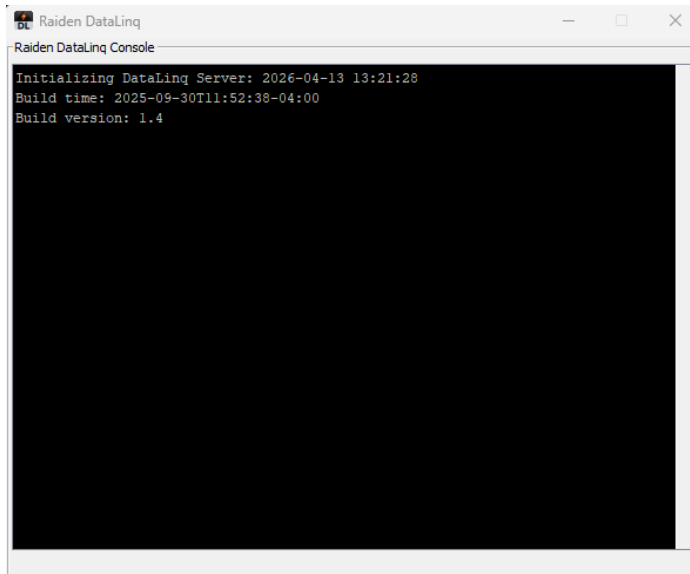


8. In the **Installation Setup Wizard** page, select **Finish**.




9. In the **Raiden** folder, navigate to **DL** folder, right-click the **raidен_datalinq.bat** file, and select **Run as Administrator** from the options menu.

The **Raiden DataLinq** console opens.




The **Raiden Data Server** is installed.


10. Next, you will need to install [Story Creator](#) .

Story Creator Installation

The Story Creator is one of the key applications in the Raiden system. To function correctly, it must be connected to XPression through the Raiden XPression Plugin. Because of this dependency, the installation process for Story Creator begins on the XPression machine with the XPression Plugin, and then continues on the Story Creator machine itself.

The process includes the following:

[Installing the XPression Plugin](#)  (on the XPression machine)

[Installing the Story Creator](#)  (on the Story Creator machine)

[Installing the Story Creator License](#) 

[Verifying the Story Creator is Operational](#) 

[Configuring Video Preview](#) 

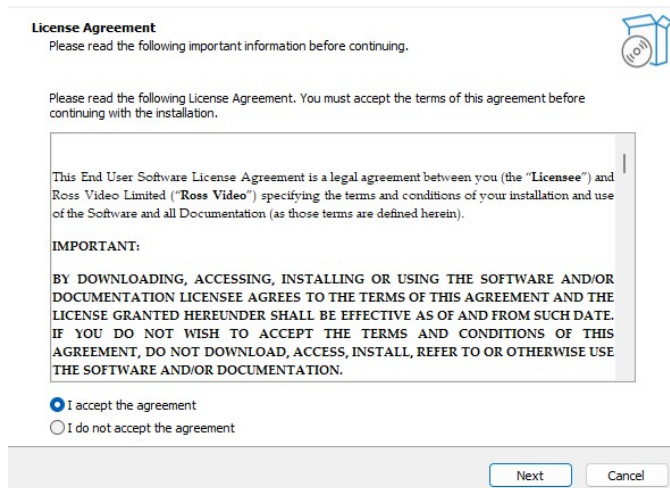
Installing the XPression Plugin on the XPression Machine

This section outlines the steps required to install the XPression Plugin, ensuring it is properly configured to interact with the Raiden environment. The XPression Plugin is an essential component of the Raiden system, enabling integration between the Raiden Story Creator and XPression.

Before beginning the installation process, ensure that XPression 12.0 build 5981 is installed on your system.

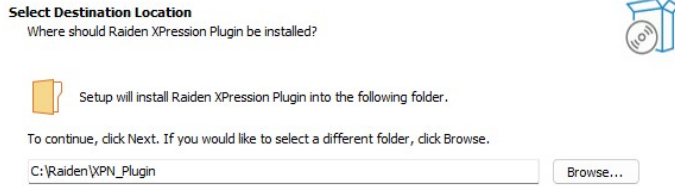
To install the XPression Plugin:

1. In XPression, open the Raiden base XPN project.
2. Run the **Raiden XPression Plugin Setup.exe** file to start the installation.
3. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.

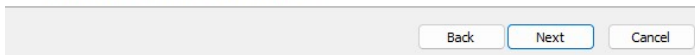


4. In the **Select Destination Location** page, select the **Browse** button to navigate to the folder in which you want to install the Raiden XPression plugin and then select **Next**.

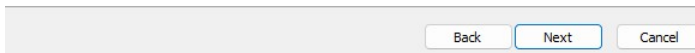
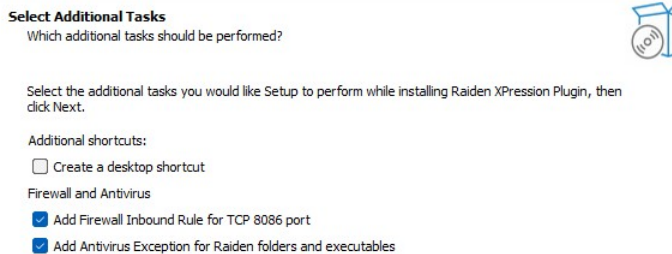
★ It is recommended to install the XPression Plugin in the **D:\Raiden\XPN Plugin** directory.



At least 30.1 MB of free disk space is required.



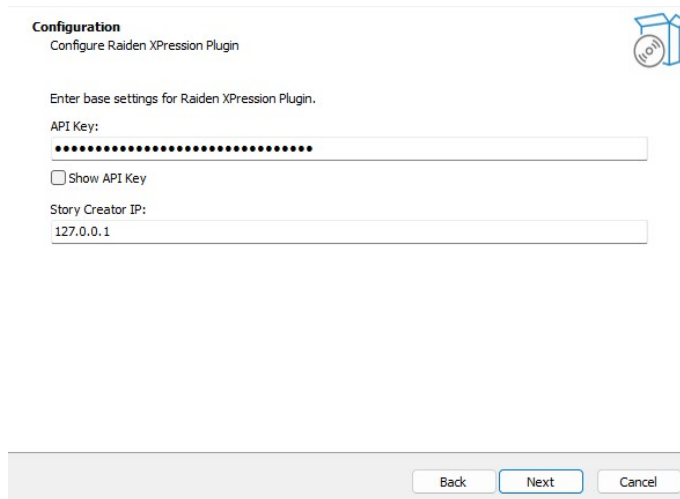
5. In the **Select Additional Tasks** page, select the **Create a desktop shortcut** option if you want to create a desktop shortcut for the Raiden XPression plugin (optional), then select **Next**.



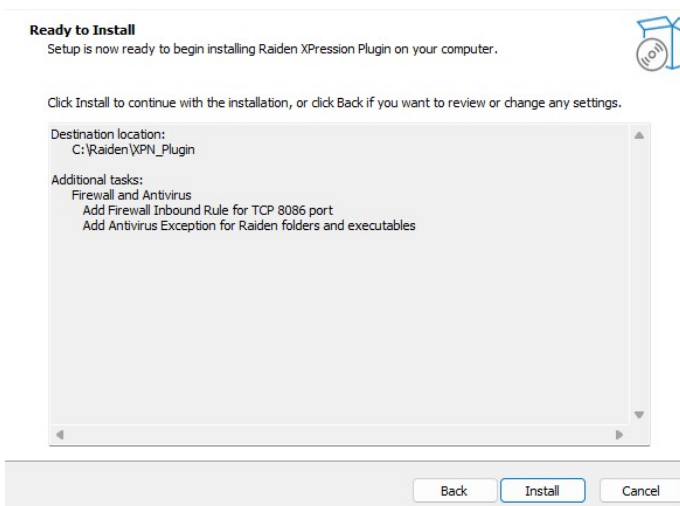
6. In the **Configuration** page, select **Next**.

★ The **API Key** field and **Story Creator IP** are automatically populated. Do not change these values.

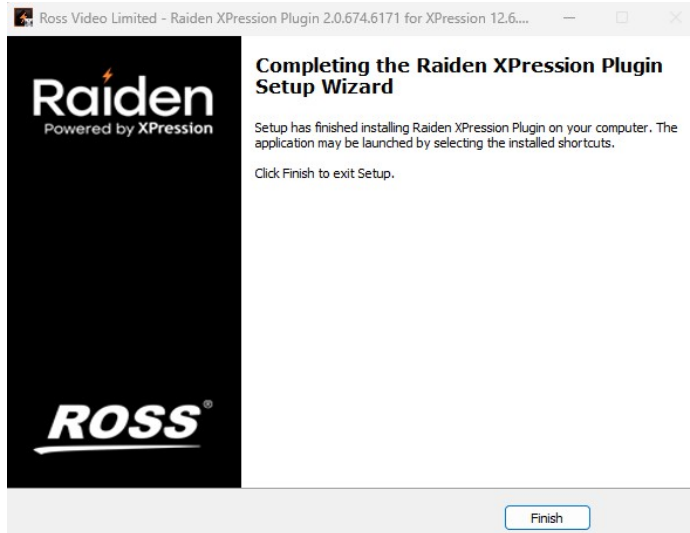
Note: When the default API Key is displayed on this page, save a copy of it for later use. This key will be required when configuring the Raiden Story Creator to connect with this component. If you do not record the key during installation, you can retrieve it later from the Xpression Plugin's configuration file (config.json file in the Xpression Plugin directory).



7. In the **Ready to Install** page, select **Install** to begin installation.



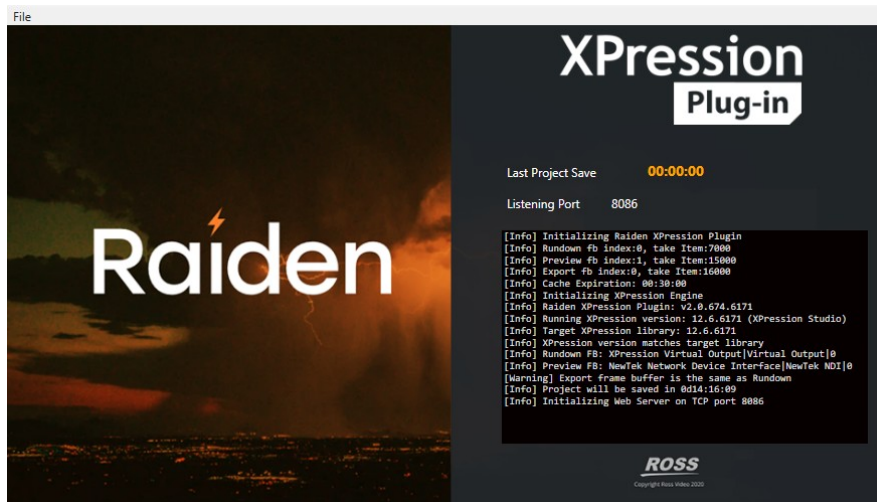
8. In the **Raiden XPression Plugin Setup Wizard** page, select **Finish**.



9. In the **Raideen** directory, open the **XPression Plugin** folder, right-click the **XPressionPlugin.exe** file, and select **Run as Administrator** from the options menu.

★ Requires administrative privileges.

The **Raideen XPression Plug-in** console appears.



The Raideen XPression plug-in is installed and connected to the XPression engine.

10. Next, [install the Story Creator](#) .

Installing the Story Creator on the Story Creator Machine


This section describes installing the Story Creator on the Story Creator machine.

★ **Note:** Administrative privileges are required to install PostgreSQL, PostGIS, Java, and the Raiden application.

To install the Story Creator:

1. Run the **Raiden Story Creator Setup.exe** file to start the installation.
2. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.

License Agreement
Please read the following important information before continuing.



Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.

This End User Software License Agreement is a legal agreement between you (the "Licensee") and Ross Video Limited ("Ross Video") specifying the terms and conditions of your installation and use of the Software and all Documentation (as those terms are defined herein).

IMPORTANT:

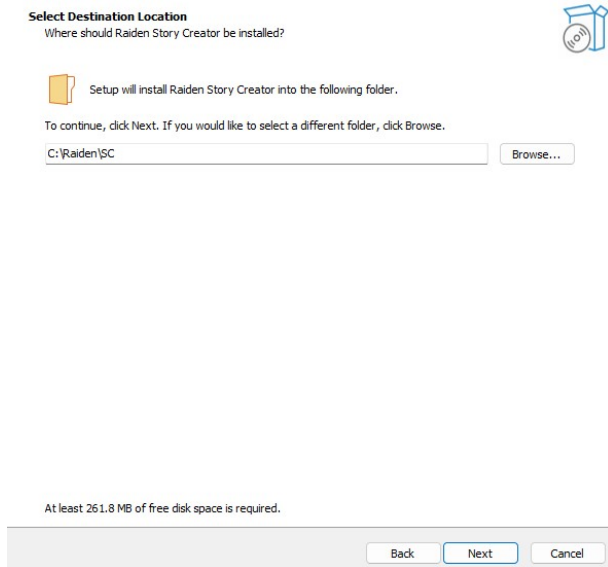
BY DOWNLOADING, ACCESSING, INSTALLING OR USING THE SOFTWARE AND/OR DOCUMENTATION AND/OR BY AUTHORIZING ANY THIRD PARTY, INCLUDING WITHOUT LIMITATION AN INSTALLER OR COMMISSIONER ACTING ON YOUR BEHALF TO DO SO, LICENSEE AGREES TO THE TERMS OF THIS AGREEMENT AND THE LICENSE GRANTED HEREUNDER SHALL BE EFFECTIVE AS OF AND FROM SUCH DATE. IF YOU DO NOT WISH TO ACCEPT THE TERMS AND CONDITIONS OF THIS AGREEMENT, DO NOT DOWNLOAD, ACCESS, INSTALL, REFER TO OR OTHERWISE USE THE SOFTWARE AND/OR DOCUMENTATION.

- **INTERPRETATION.** In this Agreement, (a) words signifying the singular number include the plural and vice versa, and words signifying gender include all genders; (b) every use of the words "herein", "hereof", "hereto", "hereunder" and similar words shall be construed to refer to this Agreement in its entirety and not to any particular provision hereof; (c) reference to any agreement or other document herein will be construed as referring to such agreement or other document as from time to time amended, modified or supplemented (subject to any restrictions on such amendment, modification or supplement set forth therein); (d) every use

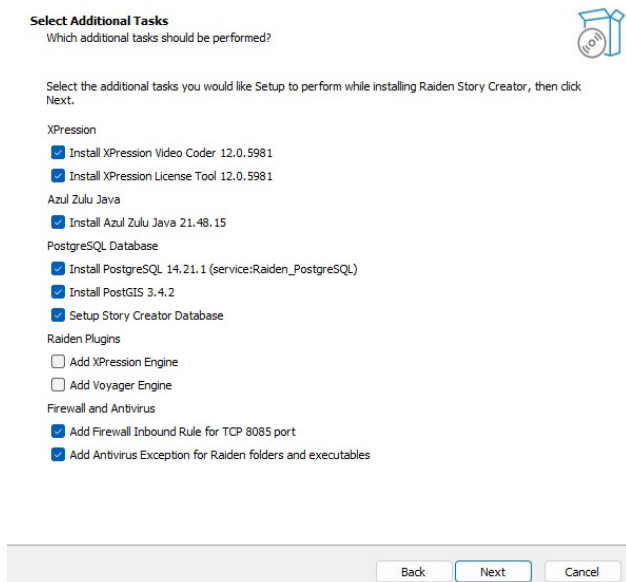
I accept the agreement
 I do not accept the agreement

3. In the **Select Destination Location** page, select the **Browse** button to navigate to the folder in which you want to install the Local Server and then select **Next**.

★ It is recommended to install the application in the **D:\Raider\SC** directory.



4. In the **Select Additional Tasks** page, select the components to be installed, and select **Next**.



5. In the **Configuration** page, enter the API keys generated during the Local Server Interface and XPression Plugin installations, and then select **Next**.

★ Use the API keys that you saved earlier when installing the Local Server Interface and XPression Plugin. If you did not record the keys during installation, you can retrieve them from the config.json files located in the LSI directory on the Local Server machine and in the XPression Plugin directory on the XPression machine.

Additionally, the PostgreSQL Port field is automatically populated with the default port number (5433). This value can be changed if a different PostgreSQL configuration is required.

Configuration

Configure Raiden endpoints



Enter the URLs (IP:port) and Key for your Raiden servers.

Ross Platform Manager URL:

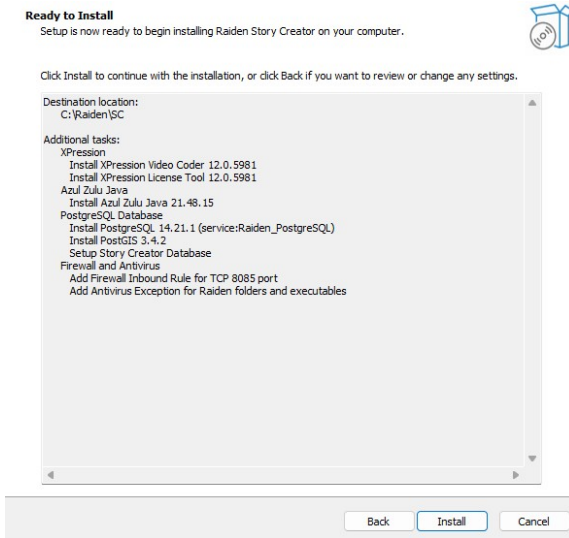
Raiden Local Server URL:

Raiden Local Server Interface URL:

Raiden Local Server Interface API Key:

PostgreSQL Port:

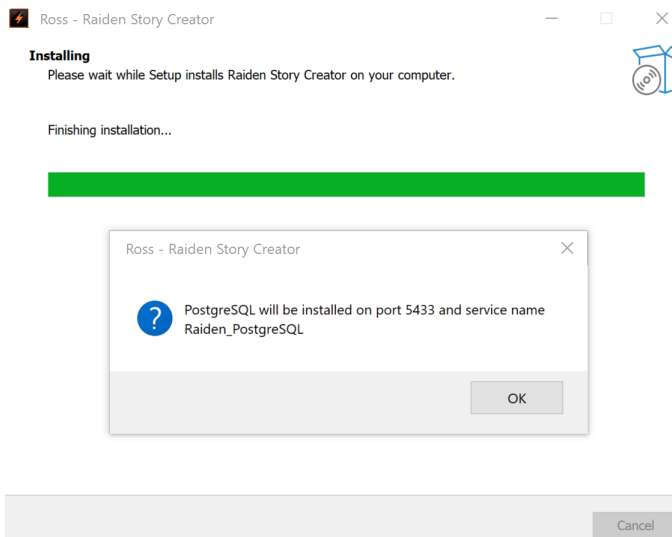
6. In the **Ready to Install Page**, select **Install** to begin installation.



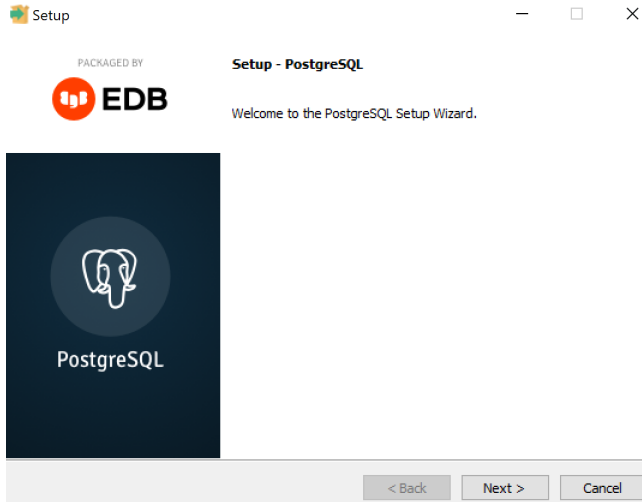
7. Install **PostgreSQL** (if applicable) as follows:

★ Note, if this component was not selected (because it is already installed), this step will be skipped automatically.

a. In the **Ross - Raiden Story Creator PostgreSQL** installation dialog, select **OK**.

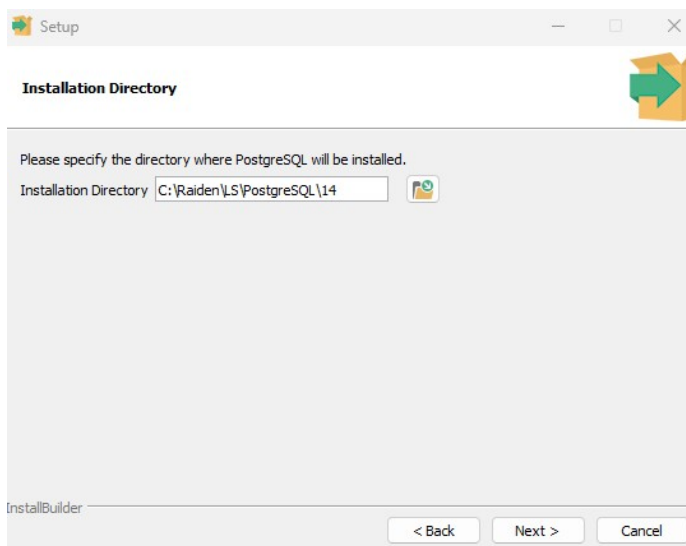


b. In the **Setup_PostgreSQL** page, select **Next**.

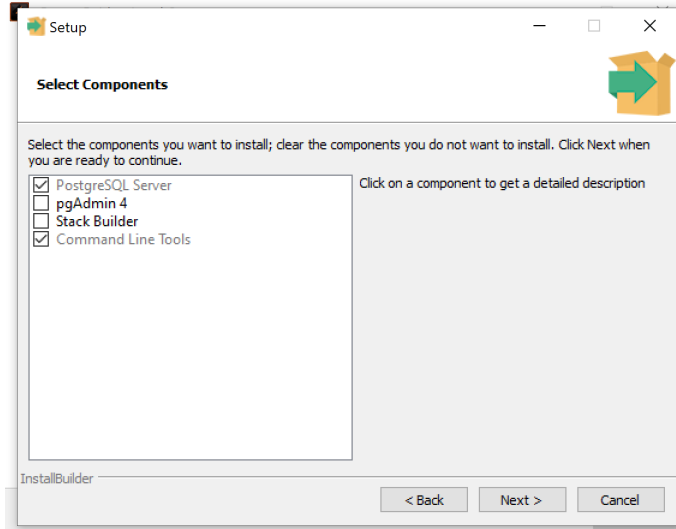


The **Installation Directory** opens.

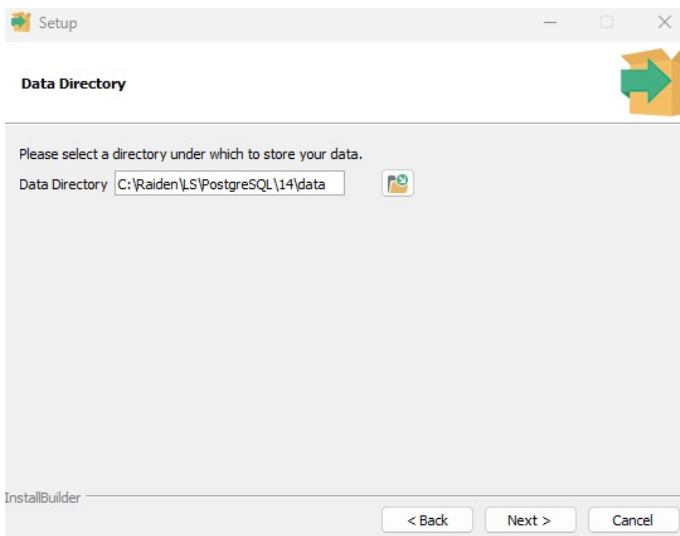
c. In the **Installation Directory** page, specify the folder where PostgreSQL will be installed.



- d. In the **Select Components** page, select **Next**.

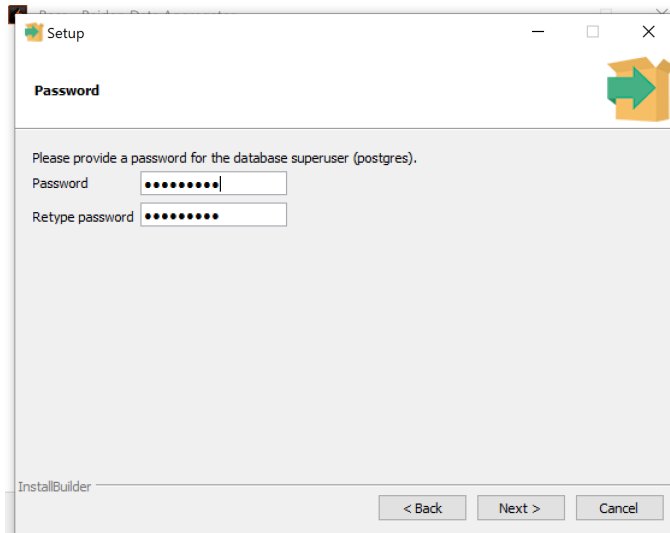


- e. In the **Data Directory** page, specify the folder where PostgreSQL will store its data.



f. In the **PostgreSQL Password** page, select **Next**.

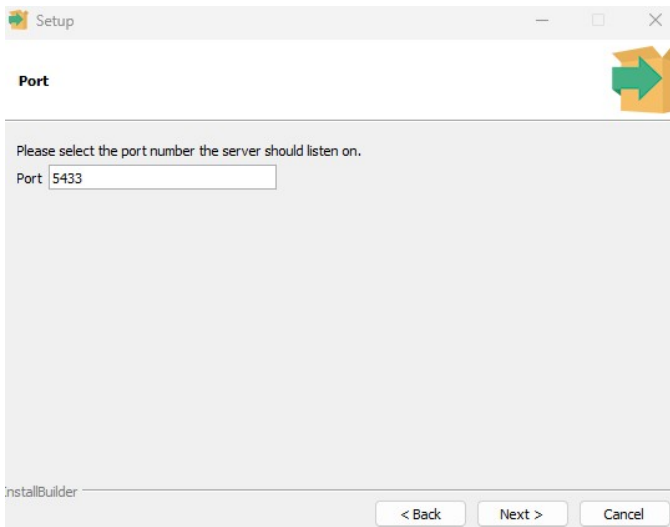
★ Do not change the default password.



The **PostgreSQL Port** page opens with the default port already populated.

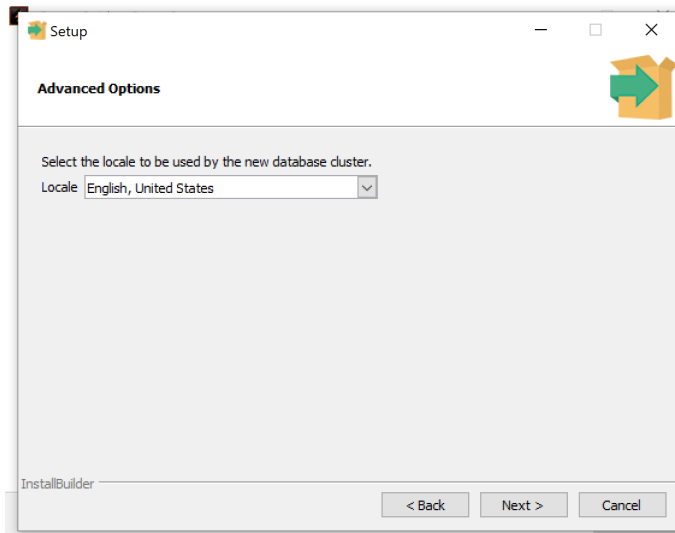
g. In the **PostgreSQL Port** page, select **Next**.

★ Do not change the default port (5433).



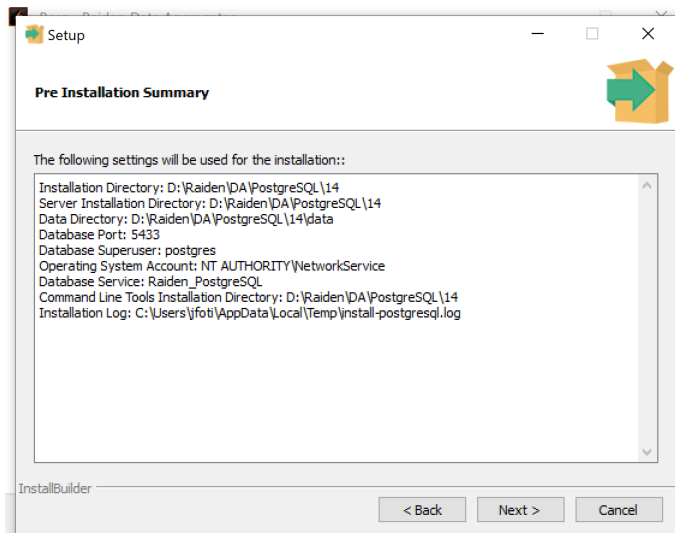
h. The **Advanced Options** page opens with the default local language selected.

★ **Important:** Do not change the default language.

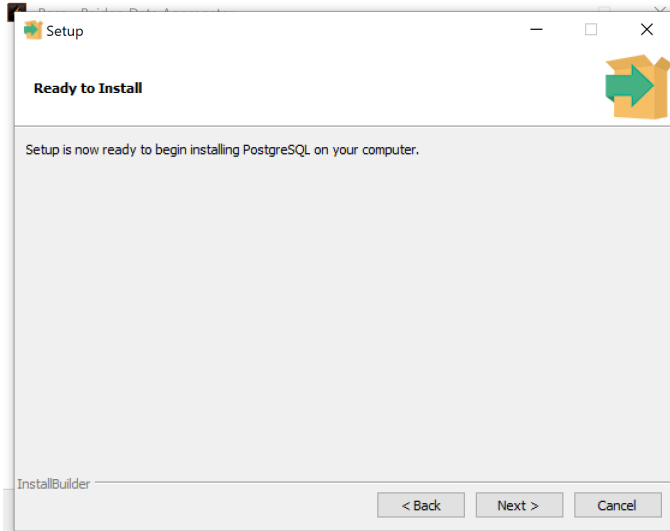


i. In the **PostgreSQL Advanced Options** page, select **Next**.

j. In the **Pre-Installation Summary** page, select **Next**.

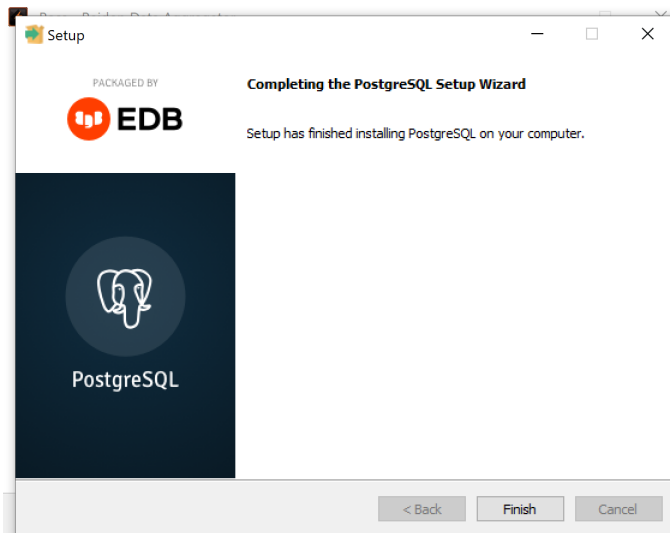


- k. In the **Ready to Install** page, select **Next**.



PostgreSQL installation begins.

- l. In the **Completing the PostgreSQL Setup Wizard** page, select **Finish**.

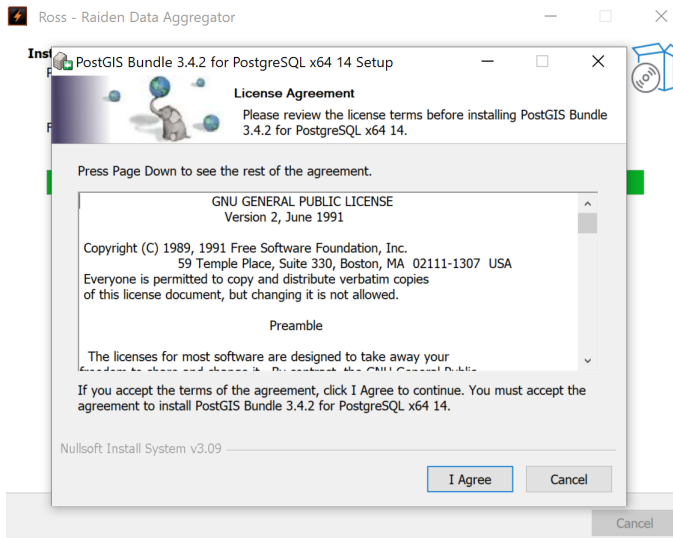


8. Install **PostgresGIS** (if applicable) as follows:

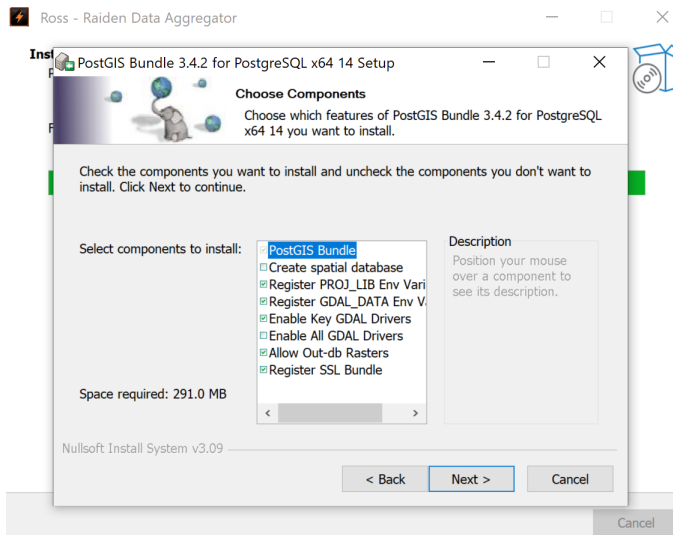
★ If this component was not selected (because it is already installed), this step will be skipped automatically.

- a. In the **PostGis Installation** dialog, select **OK**.

- b. In the **License Agreement** page, read the license agreement, and select **I Agree** to continue the installation.

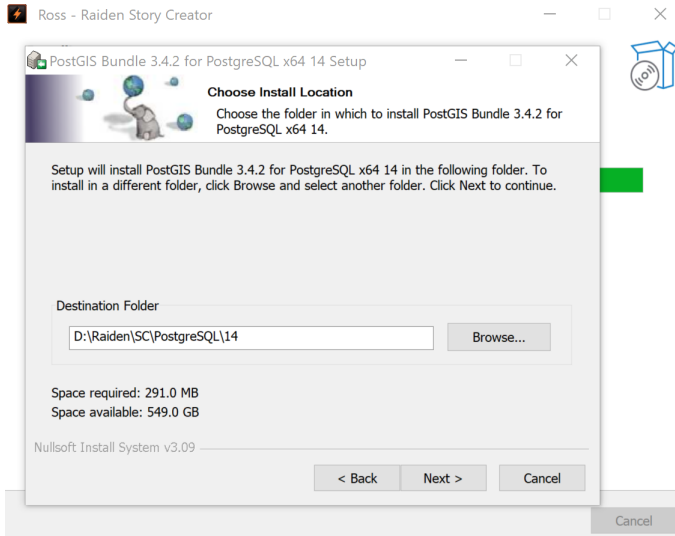


- c. In the **PostGIS Choose Components** page, keep the default selections and select **Next**.



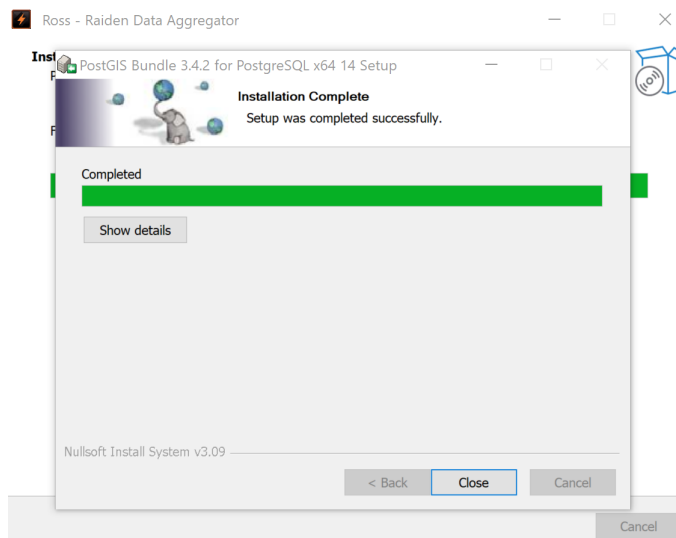
- d. In the **Choose Install Location** page, select the **Browse** button to navigate to the folder in which you want to install PostGIS and then select **Next**.

★ PostGIS must be installed in the same folder as PostgreSQL. Users can install PostgreSQL on any drive, including C:, as long as PostGIS is installed in the same location.

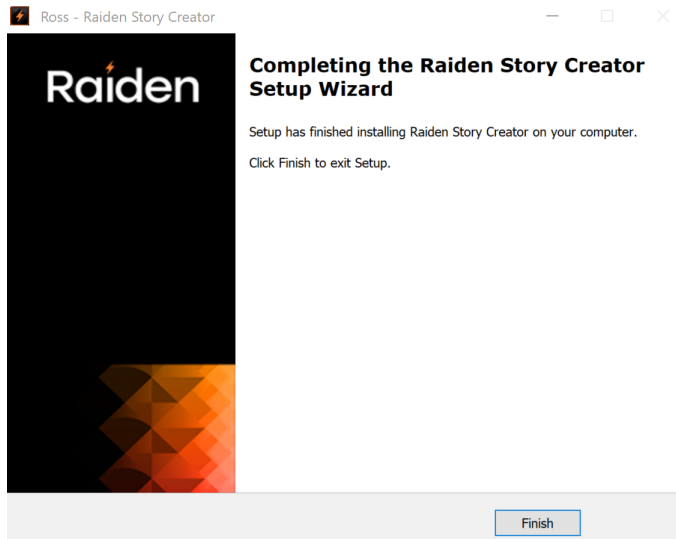


PostGIS Installation begins.

- e. In the **PostGIS Installation Complete** page, select **Close**.



9. In the **Raiden Story Creator Setup Wizard** page, select **Finish**.



10. Next, [install the Story Creator license](#) using the XPression License Tool.

Installing the Story Creator License

The Story Creator requires a valid license to operate. This section explains how to add the license before running the application. To add the license, you need the XPression License Tool, which was either installed during the Story Creator installation or already available if previously installed.

★ **Important:** Before installing licenses or running Raiden applications, ensure that Ross Platform Manager (RPM) is configured for Raiden user access. Required roles must be created in RPM and assigned to users. For instructions, see [Appendix A: Raiden User Rights Management](#)^[74] in this guide and the *Ross Platform Manager User Guide*.

Raiden licenses are installed using the XPression License Tool after the Raiden product key is added to RPM. For detailed RPM configuration and XPression License Tool procedures, refer to the documents listed in the [Required Reference Documentation](#)^[2] section.

To install the Raiden product key license:

1. Use the Ross Platform Manager (RPM) to add and activate the Raiden product key license provided by Ross Video.
2. Once the Raiden product key license has been activated, install it on the Story Creator server using the XPression License Tool.
3. Upon completing the licensing process, [verify the Story Creator is operational](#)^[57].

Verifying the Story Creator is Operational

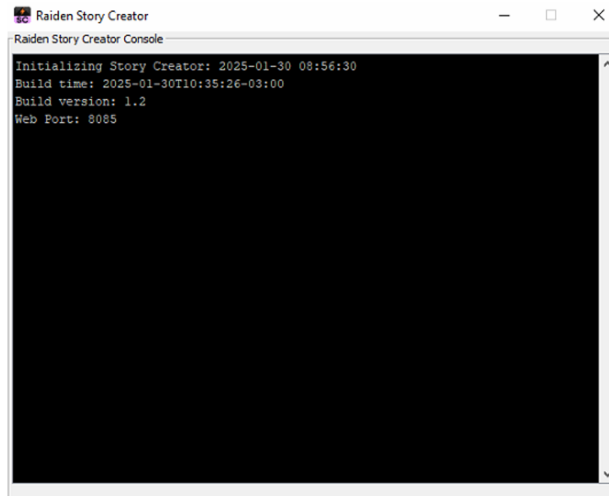
Once you have the Story Creator license installed, you can run the Story Creator.

Note: Running the application as an administrator ensures the user has sufficient permissions to create, move, copy, and delete necessary files. However, a system user with the appropriate read and write permissions for the required directories can also run the application successfully.

To run the Local Server:

1. In the **Raiden** folder, navigate to **Story Creator** subfolder, right-click the **story_creator.bat** file, and select **Run as Administrator**.

The **Story Creator Console** opens showing the version that is running.



```
Raiden Story Creator Console
Initializing Story Creator: 2025-01-30 08:56:30
Build time: 2025-01-30T10:35:26-03:00
Build version: 1.2
Web Port: 8085
```

Story Creator Console

3. Open your web browser and in the URL field enter the IP address of the Story Creator (**xx.xx.xxx.:8085**).
4. Press **Enter**.

You will be taken to the Story Creator **Login** page.

5. Log in with your **User** name and **Password**.

By successfully logging in and accessing the Story Creator on the web, you have confirmed that the Story Creator has been successfully installed and is running as intended.

Configuring Video Preview

Story Creator can preview video rendered by XPression using one of the following methods:

- **NDI Preview** – Uses the NDI output configured in XPression.
- **Video Output Monitor** – Uses the XPression Video Output Monitor to stream preview frames over secure WebSockets.

Video preview must first be configured in XPression. Preview settings are configured under: **Edit > Hardware Setup > Preview & Monitor > Video Output Monitor**.

★ Ensure that the NVIDIA graphics driver is up to date when using the XPression Virtual Output Monitor. Older driver versions may prevent the Virtual Output Monitor from functioning correctly and can result in “nvEncodeApi” errors in the XPression log. Updating to a newer driver version resolves this issue.

For instructions on configuring preview output, see *Configuring Video Preview and Audio Monitor* in the *XPression User Guide*.





When using **Video Output Monitor**, the Video Output Monitor in XPression must be configured with an SSL certificate and private key. If the customer does not provide a certificate, see [Appendix B: Generating an SSL Certificate for Web Preview \(OpenSSL\)](#)^[78].

For optimal performance, configure the Video Output Monitor stream resolution to 50%, which matches the preview window size used by Story Creator.

After the video preview output is configured in XPression, configure Story Creator to connect to the XPression engine. See the Story Creator Configuration section in the *Raiden User Guide* for details.

XPression Environment Setup

This section describes how to configure the XPression environment for use with Raiden. Complete these steps before preparing XPression projects or using Story Creator workflows.

- [Configuring XPression Preferences](#) 
- [Using Sequencer Mode for Raiden Workflow](#) 
- [Configuring Hardware Settings](#) 
- [Tessera System Setup for Raiden](#)  (if required)

Configuring XPression Preferences

Configure the **Hardware Renderer**, **Texture & Image Cache**, and **Video Engine** preferences.

To configure the Hardware Renderer preferences:

1. In XPression, go to **Edit**, and select **Preferences**.

The **Preferences** window opens.

2. From the list, select **Hardware Renderer**.

3. In the **Hardware Renderer** section, use the **Adapter** drop-down and select the NVIDIA adapter that corresponds to the adapter in your XPression machine.

4. Select **OK**.

The **Preferences** window closes and the **Hardware Renderer Adapter** is set to the selected NVIDIA adapter.

To configure the Texture and Image Cache preferences:

1. In XPression, go to **Edit**, and select **Preferences**.

The **Preferences** window opens.

2. From the list, select **Texture & Image Cache**.

3. In the **Texture & Image Cache** section, select the **Limit allocated memory pool to** checkbox, and adjust the amount to **16384 MB**.

4. Select **OK**.

The **Preferences** window closes and the allocated memory pool is set to **16384 MB**.

To configure the Video Engine preferences:

1. In XPression, go to **Edit**, and select **Preferences**.

The **Preferences** window opens.

2. From the list, select **Video Engine**.

3. In the **Maximum Cache Size Per Video Client** section, select the **Cache Clips on GPU instead of Host Memory** checkbox.

4. Select **OK**.

The **Preferences** window closes and the **Maximum Cache Size** is set to **Cache Clips on GPU instead of Host Memory**.

Using Sequencer Mode for Raiden Workflow

For a smoother Raiden workflow, enable both the **Load Most Recent Project** and **Switch to Sequencer Mode** settings in XPression. These settings ensure that XPression opens directly into the Raiden project and automatically enters the Sequencer mode. This approach bypasses the Editor Viewport, resulting in a lighter and more responsive interface.

To enable the Sequencer Mode:

1. In XPression, go to **Edit>Preferences>Editor**.
2. In the **On Startup** section, select both **Load Most Recent Project** and **Switch to Sequencer Mode** settings.
3. Select **OK** to save the settings.

Configuring Hardware Settings

Next, configure the **Input/Output** and **GPI/Tally Boards** settings.

To configure the Input/Output settings:

1. In XPression, go to **Edit**, and select **Hardware Setup**.
The **Hardware Setup** window opens.
2. Select the **Inputs/Outputs** tab, and add your production output as follows:
 - a. Select **Add**.
The **Add New FrameBuffer Board** window opens.
 - b. From the **Brand** drop-down, select the brand of your I/O card (such as Matrox).
 - c. Select **OK** and the **Add New FrameBuffer Board** closes.
3. Next, add and configure the **NDI NewTek Output** as follows:
 - a. Select **Add**.
The **Add New FrameBuffer Board** window opens.
 - b. From the **Brand** drop-down, Select **NewTek Network Device Interface**.
 - c. Select **OK**.
The **Newtek Device Interface - FrameBuffer Setup** window opens.
 - d. In the **Output Name** field, enter **XPN Output**.
★ The **Output Name** needs to match the NDI source name in the **config.da** JSON file.
 - e. Select **OK** and the **Newtek Device Interface - Framebuffer Setup** window closes.
4. Select the **NDI Output**, and in the **Output Options** section, select the **Exclude from Tesseract** checkbox.
5. Select **Close**.
The **Hardware Setup** window closes and the **Input/Output** settings are saved.
6. Next, configure the **GPI/Tally** settings.

To configure the GPI/Tally settings:

1. In XPression go to **Edit**, and select **Hardware Setup**.
The **Hardware Setup** window opens.
2. Select the **GPI/Tally Boards** tab.
3. Select **Add**.
The **Add New GPI Board** dialog opens.
4. From the **Brand** drop-down, select **Smart GPI/RossTalk**.
5. Select **OK**.
The **Smart GPI/RossTalk Setup** window opens.
6. In the **Settings** section, configure the settings as follows:

- a. From the **State** drop-down, select **Enabled**.
- b. From the **Mode** options, select **TCP**.
7. In the **Incoming Network Settings** section, set the **TCP Port** to the communication port that receives the GPI signals for your system. A default port is automatically entered here (**7788**), but can be changed if it is already in use.
8. In the **Outgoing Network Settings**, set the **TCP Port** to **7788**.
9. Select **OK** and the **Smart GPI/Rosstalk Setup** window closes.
10. Select **Close**.

The **Hardware Setup** window closes and the **GPI/Tally Boards** settings are saved.

Tessera System Setup for Raiden (if required)

This section describes the additional setup required when using Raiden with a Tessera system. Tessera environments require explicit configuration of source and destination mappings to ensure Raiden content is rendered and distributed correctly across outputs.

The procedures in this section cover configuring Tessera settings, defining source and destination region mappings, and assigning the appropriate source templates in XPression.

To configure Tessera source and destination mappings:

1. Configure the **Tessera** settings as follows:

- a. Open your XPression project.
- b. Go to **Edit** and from the **Tessera** drop-down, select **Settings**.
The **Tessera Settings** window opens.
- c. From the **Mode** drop-down, select **Single Engine** and select **OK** to close the window.
The **Tessera Settings** window closes.

2. Next, configure the **Source** and **Destination Region Layouts** as follows:

- a. In the **Edit** menu, go to **Tessera** and from the **Tessera** drop-down, select **Region Mapping**.
The **XPression Tessera Region Mapper** window opens.
- b. In the **Source Region Layouts** panel, right-click in the **Thumbnails** tab and select **Add Source**.
- c. In the **Destination Region Layouts** panel, right-click in the **Thumbnails** tab and select **Add Destination**.
- d. In the **Region Editor** section, select **Add**.
The **New Region** window opens.
- e. Set the **Width** of the **Region Size** to **1920** and select **OK**.
- f. In the **Source Region Layouts**, go to the **Thumbnails** tab and select **Source 1**.
- g. In the **Source To Destination Mapping** section, select **Source 1** and from the drop-down, select the **Region 1**.
- h. Select **OK** and the **XPression Tessera Region Mapper** window closes.

The **XPression Tessera Region Mapper** closes and the **Source** and **Destination Mappings** have been configured

3. Next, set the **Tessera Source Template** for all of the **Regions** in your XPression project as follows:

- a. In the **Object Inspector**, select the **Tessera** tab.
- b. From the **Source Template** drop-down, select **Source 1**.

4. Next you will need to configure the **Output Options** as follows:

- a. In the **Edit** menu, go to **Hardware Options** and select the **Inputs/Outputs** tab.
- b. In the **Output Options** section, select the **Exclude from Tessera** checkbox.
- c. Select **Close**.

The **Hardware Setup** window closes and the **Source Template** for the **Region** is configured.

Voyager Integration

This section explains how to install and configure the Raiden plugin for use with Voyager. The plugin enables integration between Raiden and Voyager, allowing Raiden weather and geographic data to be visualized within the Voyager environment using supported features.

★ **Note:** The Raiden Voyager Plugin downloads and caches files from the Local Server to support data overlays. Advanced users may need to access these locations to delete files and force retrieval of new data, or to free up storage space if required. Cached files are stored in different locations depending on their purpose:

- **Voyager downloads (General Assets):**

`\Voyager\Engine\Binaries\Win64\Data\Assets\Remote-Asset-Cache`

- **Raiden Plugin downloads (3D Meshes):**

`\Content\Raiden\Data\Region\Region_[Region Id]`

This section does not cover how to use Voyager and assumes familiarity with Voyager workflows. For additional information, refer to the *Voyager User Guide*.

System Requirements

Ensure that your system meets the following requirements:

Voyager software requirements:

- <%VOYAGER_BUILD%>
- XPression DataLinq Server 12.7 build 6235 or higher

Voyager hardware requirements:

- Minimum 64GB RAM

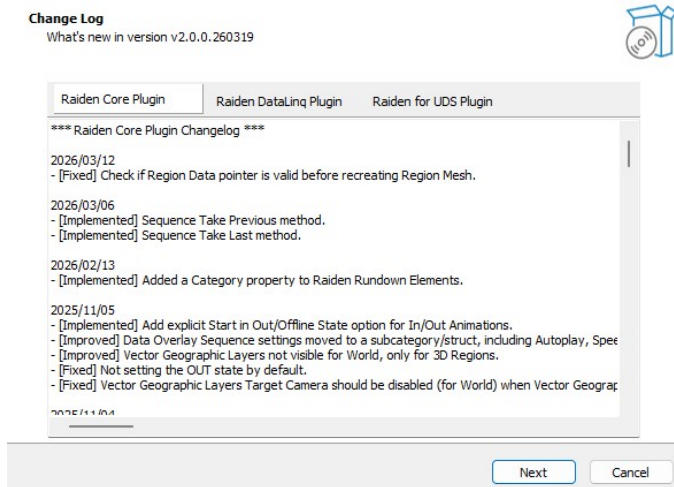
Installing the Raiden Voyager Plugin

This section explains how to install the Raiden Voyager Plugin.

To install the Raiden Voyager Plugin:

1. Select the **Raiden Plugin for Voyager-X.x_xxxx.exe** file.

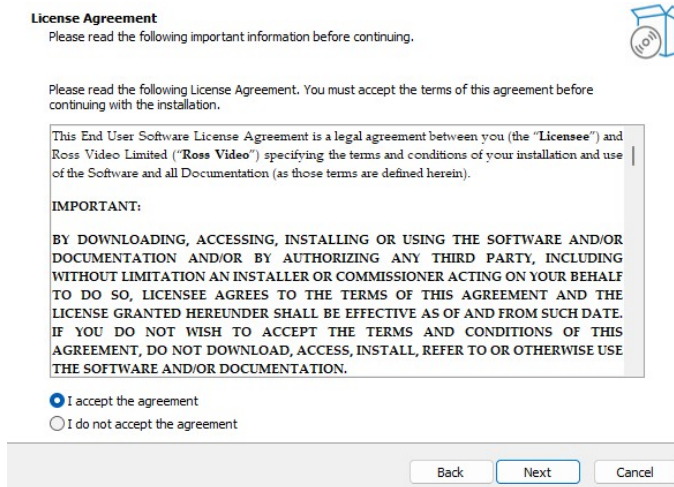
The **Change Log** page opens.



License Agreement page

2. In the **Change Log** page, select **Next**.

The **License Agreement** page opens.

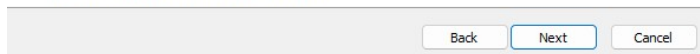


License Agreement Page

- In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.
- In the **Select Destination Location** page, select **Next** to accept the suggested location for the software, or select the **Browse** button to navigate to a different folder and then select **Next**.



At least 46.9 MB of free disk space is required.

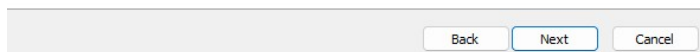
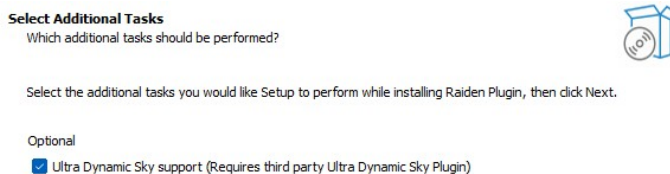


Select Destination Location Page

The installer automatically detects the existing Voyager installation and selects the appropriate plugin folder.

By default, this is typically: **C:\Program Files\Voyager\Engine\Plugins\Raiden**. The actual path may vary according to the location of the existing Voyager installation.

- In the **Select Additional Tasks** page, either keep the **Ultra Dynamic Sky support** checkbox selected to include support for the third-party plugin or clear the checkbox to exclude it, then select **Next** to continue the installation.




Select Additional Tasks page

The **Server addresses** page opens.

6. In the **Server Addresses** page, enter the URLs (IP address and port) for your Raiden servers, and select **Next**.

★ Default values are pre-populated for both server URLs and may vary depending on your system configuration.

Server addresses
Configure Raiden endpoints 


Enter the URLs (IP:port) for your Raiden servers.

Raiden Data Server URL:

Raiden Local Server URL:

Server Addresses Page

7. In the **Permissions** page, select the options to allow Story Creator to control Play In Editor (PIE), then click **Next**.

Permissions
Select the permissions for Story Creator: 

Allow Story Creator to Start PIE

Allow Story Creator to Stop PIE

Permissions Page

8. In the **Workflow Preferences** page, configure the **Auto Add to Sequencer** and **Force Visibility on Take** options based on your workflow (see table below), and then select **Next**.

Workflow Preferences Page

- **Auto Add to Sequencer:** Automatically adds elements to the sequence when triggered.
- **Force Visibility on Take:** Prevents elements from being animated without being visible when taken online.

The recommended settings for these options depend on your workflow. Refer to the following guidelines:

Workflow	Auto Add to Sequencer	Force Visibility on Take
Story Creator	Not required (sequence is created automatically when a story is published)	Enable (recommended)
Lucid / MOS	Enable (ensures actors are added to the sequence)	Enable (recommended)

9. In the **Ready to Install** page, select **Install** to begin the installation.

The installation progress page is displayed.

10. If you selected the **Ultra Dynamic Sky** support option earlier in the setup, a message appears prompting you to move the Ultra Dynamic Sky plugin.

- Select **OK** to acknowledge the message and continue the installation.
- You must then manually move the third-party Ultra Dynamic Sky plugin to the following folder before launching Voyager:

C:\Program Files\Voyager\Engine\Plugins\Raiden\RaidenUDS\Content\UltraDynamicSky

11. In the final page, select **Finish** to exit the Raiden Plugin for Voyager setup.

12. Next, [configure the Raiden Voyager plugin](#) .

Configuring the Raiden Voyager Plugin

This section describes how to configure the Raiden Voyager Plugin after installation.

To Configure the Raiden Voyager Plugin:

1. Navigate to the **RaidenCore** plugin folder:
Voyager\Engine\Plugins\Raiden\RaidenCore
2. In the **RaidenCore** folder, open the **Config** subfolder.
3. Right-click the **BaseRaidenCore.ini** file and select **Edit**.
4. In the configuration file, set the following endpoints:
 - **DataLinq**: Enter the IP address and port of the **Data Server** as an HTTP endpoint.
 - **LocalServer**: Enter the HTTP port endpoint for the Local Server.

For example:



Example Endpoints

5. Save and close the configuration file.
6. Next, [enable the plugins in Voyager](#)⁷¹.

Modifying Permissions After Installation (Optional)

During installation, you can configure permissions that control how Story Creator interacts with Voyager. These settings can be modified after installation using the Raiden API configuration file.

To modify permissions:

1. Navigate to the following folder:

Voyager\Engine\Plugins\Raiden\RaidenAPI\Config

2. Open the **RaidenAPI.ini** file.
3. Locate the **[Permissions]** section.

For example:

```
[Permissions]
AllowRemotePlay=true
AllowRemoteStop=true
```

4. Modify the settings as needed:

Setting	Description
AllowRemotePlay	Set to <code>true</code> to allow Story Creator to start playback (Play In Editor). Set to <code>false</code> to prevent Story Creator from starting playback.
AllowRemoteStop	Set to <code>true</code> to allow Story Creator to stop playback. Set to <code>false</code> to prevent Story Creator from stopping playback.

5. Save and close the file.

The updated permissions are applied. Story Creator will now follow the configured settings for starting and stopping playback.

Enabling the Raiden Plugins in Voyager

This section outlines how to enable the Raiden plugins within Voyager.

To enable the Ross Raiden Plugins in Voyager:

1. In Voyager, from the **Edit** menu, select **Plugins**.
2. In the **Plugins Browser** tab, locate and select **Ross Raiden**.
3. Enable the following Raiden plugins based on your workflow and configuration:

Plugin	Description	When to Enable
Raiden API Plugin	Enables communication between Voyager and Story Creator to control a Raiden show.	Required when using Story Creator workflows. Not required for Lucid / MOS workflows that do not use Story Creator.
Raiden Core Plugin	Provides core services and manages Raiden licensing.	Required for all workflows.
Raiden DataLinq Plugin	Enables DataLinq integration for weather and geographic data.	Required when using DataLinq-enabled actors and data-driven elements.
Raiden for Ultra Dynamic Sky Plugin	Provides integration between Raiden and the Ultra Dynamic Sky plugin.	Enable only if the Ultra Dynamic Sky (UDS) plugin is installed (optional).

Appendix A: Raiden User Rights Management

This appendix outlines the steps required to configure Raiden user access in Ross Platform Manager (RPM) during commissioning.

This section does not provide instructions on how to use RPM. For instructions on adding roles and creating user accounts in RPM, refer to the *RPM User Guide*.

To set up and configure Raiden user rights in Ross Platform Manager (RPM):

1. In RPM, create the following Raiden-specific roles:

- Data Aggregator Administrator
- Data Aggregator User
- Local Server Administrator
- Local Server User
- Story Creator Administrator
- Story Creator User

★ **Important:** Ensure that the roles are entered exactly as listed above, including capitalization, as they are case sensitive.

2. Create user accounts as follows:

- a. Add a user account for each individual who needs access to Raiden.
- b. Ensure accurate user details are entered during account creation.

3. For each user account, assign one or more of the Raiden-specific roles created in step 1 and ensure the following:

- a. Enable each user account by marking it as **Active**.
- b. Enable API access for each user.

4. Verify that all users have the appropriate roles and settings applied.

Once the user rights configuration is complete, users will have the appropriate roles and access levels required to use the Raiden application.

Appendix B: Generating an SSL Certificate for Web Preview (OpenSSL)

This appendix describes how to generate a self-signed SSL certificate and private key using OpenSSL for use with Direct Web Preview in a Raiden deployment. The certificate and key are configured in XPression's Video Output Monitor to enable secure WebSocket preview for Story Creator.

If the customer does not provide a certificate and key, a certificate can be generated using OpenSSL as described below.

Prerequisites:

Install OpenSSL on the system where you will generate the certificate and key, then open a command prompt/terminal where the openssl command is available.

- Win64 OpenSSL v3.6.1 Light (recommended version)
- Download: <https://slproweb.com/products/Win32OpenSSL.html>
- Default installation path: C:\Program Files\OpenSSL-Win64\bin

To generate a key and certificate:

1. Generate the private key.

Run:

```
openssl genrsa -out out/raiden_xpn_key.key 2048
```

2. Create a certificate signing request (CSR).

Run:

```
openssl req -new -key out/raiden_xpn_key.key -out temp/raiden_xpn_csr.csr -subj "/C=CA/ST=Ontario/L=Ottawa/O=Ross Video/OU=Raiden/CN=xpression"
```

3. Self-sign the certificate.

Run:

```
openssl x509 -req -in temp/raiden_xpn_csr.csr -signkey out/raiden_xpn_key.key -out out/raiden_xpn_cert.crt -days 365
```

After running these commands, the following files will be created:

- out/raiden_xpn_key.key (private key)
- out/raiden_xpn_cert.crt (certificate)

★ Some browsers may display a warning when connecting to a self-signed certificate. It is recommended to use a certificate provided by the customer's IT department.

Appendix C: Manual Installation Instructions (Legacy)


The Raiden installers (v1.4 and later) automatically generate API keys, set default installation paths, and provide configuration panels for connecting components such as the Data Aggregator, Local Server, and Story Creator. This installer-driven approach is the recommended method for commissioning Raiden.


However, in certain cases you may need to configure components manually. This appendix documents the legacy configuration steps that were required in earlier versions. These include editing JSON configuration files (`config.da.json`, `config.ls.json`, and `config.sc.json`) and manually retrieving API keys.

Installation Overview

The installation process for each application is detailed in the following sections:

[Data Aggregator Installation](#) 

[Local Server Installation](#) 

[Story Creator Installation](#) 

[Raiden DataLinq Server Installation](#) 

Data Aggregator Installation

This section provides instructions for installing the Data Aggregator.

The process includes the following:

[Installing the Data Aggregator](#)  77

[Minimum Configuration for Data Aggregator](#)  87

[Installing the Data Aggregator License](#)  88

[Verifying the Data Aggregator is Operational](#)  88

Installing the Data Aggregator

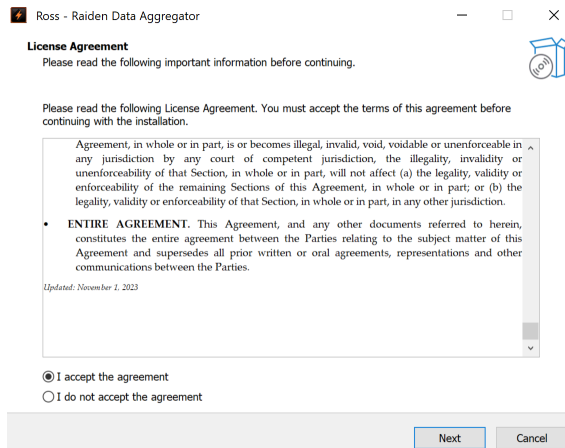
This section describes installing the Data Aggregator application.

★ **Note:** Administrative privileges are required to install PostgreSQL, PostGIS, Java, and the Raiden application.

To install the Data Aggregator:

1. Double-click the **Raiden Data Aggregator vx.x.x.xxxx Setup.exe** file to open the **Raiden Data Aggregator Setup Wizard**.

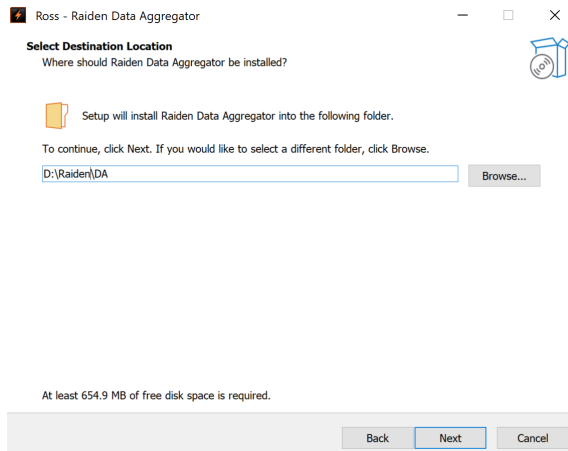
The **License Agreement** page opens.



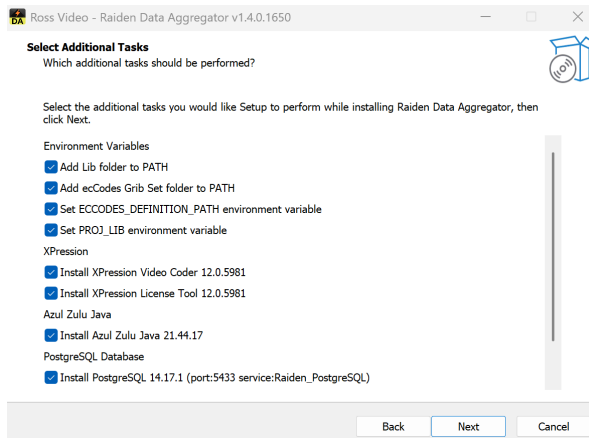
2. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.

3. In the **Select Destination Location** page, select the **Browse** button to navigate to the folder in which you want to install the Data Aggregator and then select **Next**.

★ **Note:** It is recommended to install the application in the **D:\Raider\DA** directory.

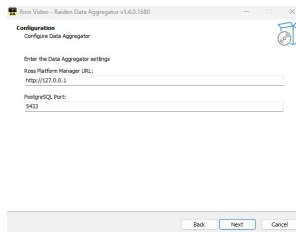


4. In the **Select Additional Task** page, select the required components to be installed, and select **Next**.

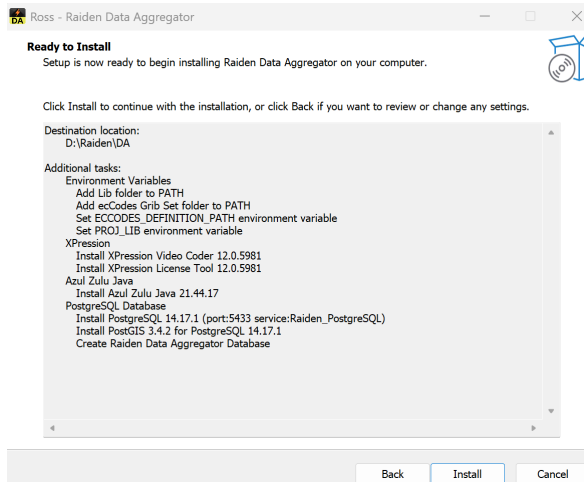


5. In the **Configuration** page, enter the Ross Platform Manager URL and then select **Next**.

★ If RPM is hosted on a different machine, update this field with the appropriate IP address.



6. In the **Ready to Install** page, select **Install** to begin installation.

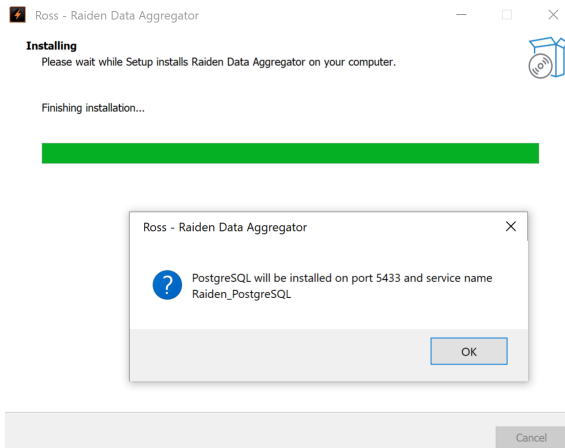


After selecting **Install**, the installation process begins. As part of this process, PostgreSQL and then PostGIS will be installed automatically, if required. These installations are integrated into the installation process.

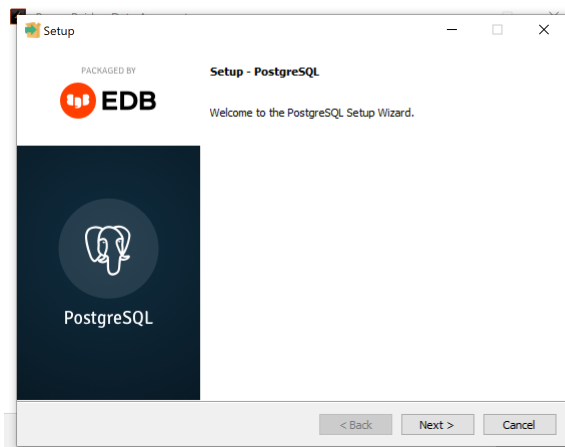
7. Install **PostgreSQL** (if applicable) as follows:

★ **Note:** If this component was not selected (because it is already installed), this step will be skipped automatically.

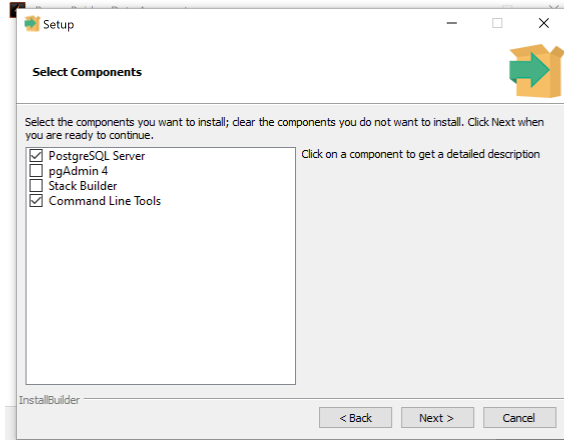
a. In the **Ross - Raiden Data Aggregator PostgreSQL** installation dialog, select **OK**.



b. In the **Setup - PostgreSQL** page, select **Next**.

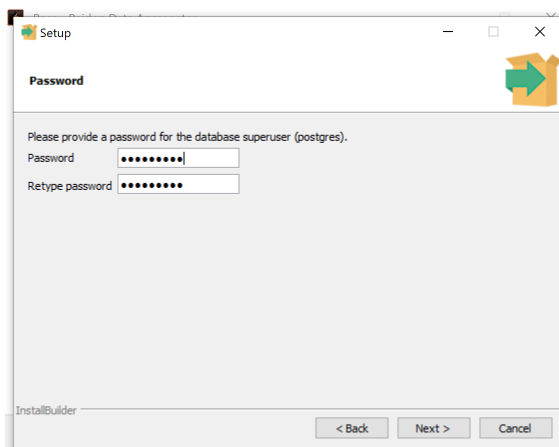


c. In the **Select Components** page, select **Next**.



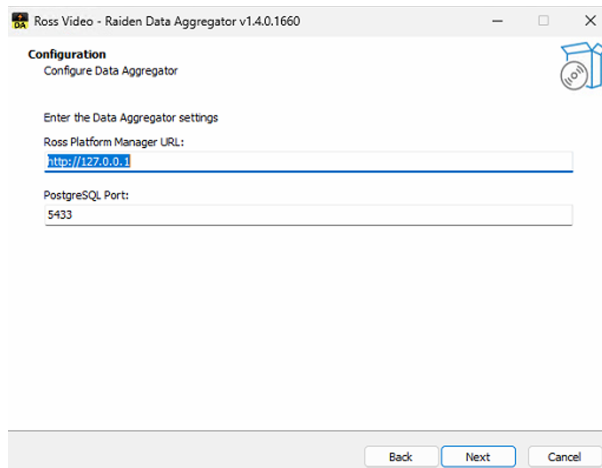
d. In the **Password** page, select **Next**.

★ Do not change the default password.

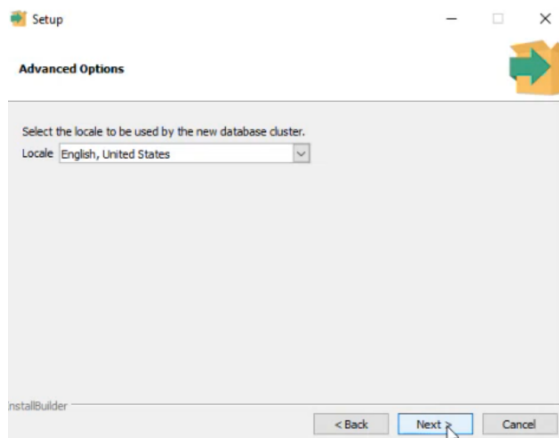


e. In the **Port** page, select **Next**.

★ Do not change the default port (5433).



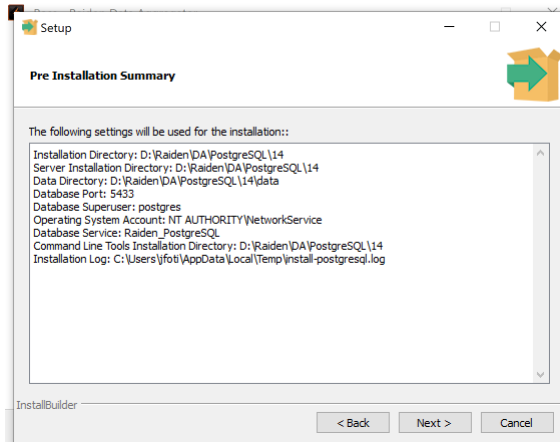
The **Advanced Options** page opens with the **English, United States** as the default language selected.



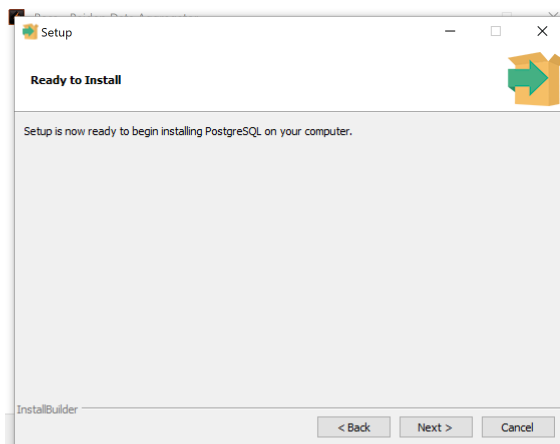
f. In the **Advanced Options** page, select **Next**.

★ Do not change the default language.

g. In the **Pre Installation Summary** page, select **Next**.

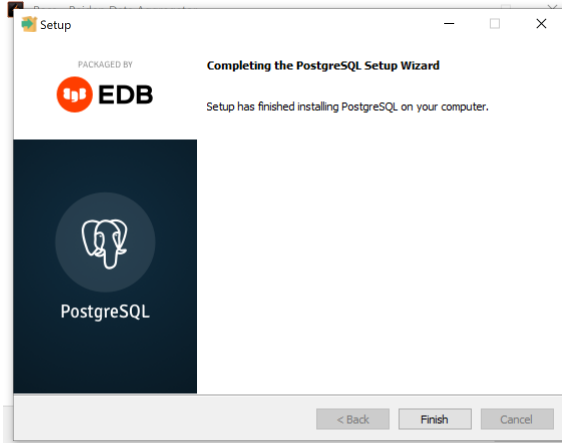


h. In the **Ready to Install** page, select **Next**.



The **PostgreSQL Installation Progress** page is displayed.

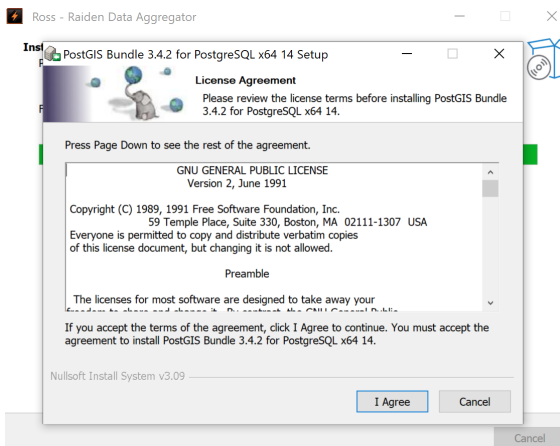
- i. In the **Completing the PostgreSQL Setup Wizard** page, select **Finish**.



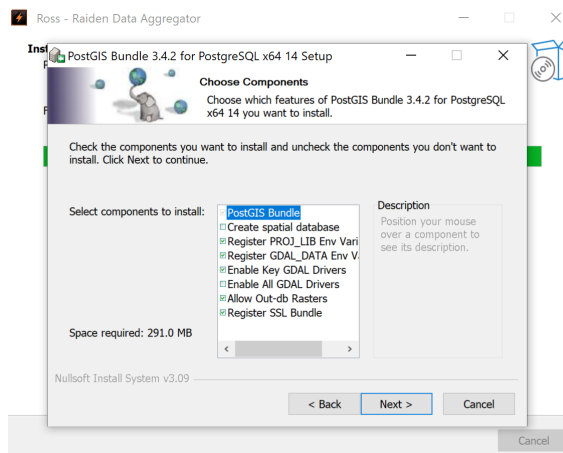
- 8. Install **PostGIS** (if applicable) as follows:

Note: If this component was not selected (because it is already installed), this step will be skipped automatically.

- a. In the **License Agreement** page, read the license agreement, and select **I Agree** to continue the installation.

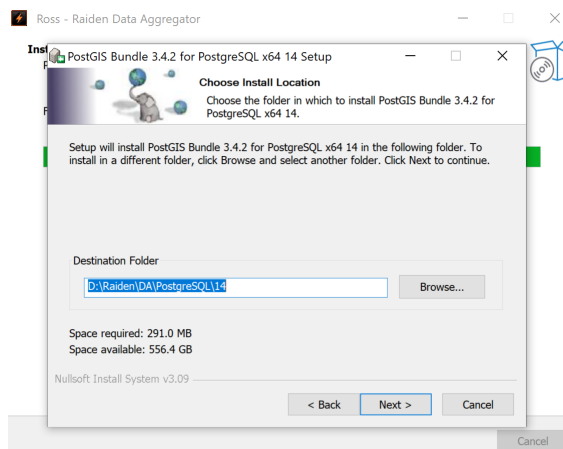


The **Choose Components** page opens.



b. In the **Choose Components** page, keep the default selections and select **Next**.

The **Choose Install Location** page opens.

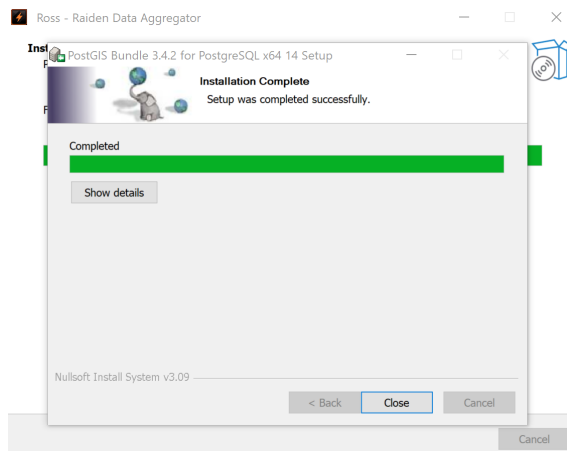


c. In the **Choose Install Location** page, select the **Browse** button to navigate to the folder in which you want to install the PostGIS and then select **Next**.

★ PostGIS must be installed in the same folder as PostgreSQL. Users can install PostgreSQL on any drive, including C:, as long as PostGIS is installed in the same location.

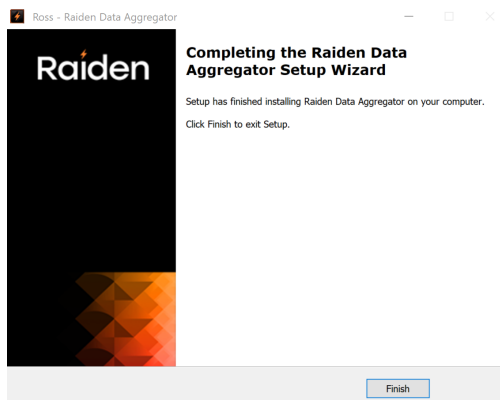
The installation starts and the installation progress is shown.

d. In the **Installation Complete** page, select **Close**.



The Raiden Data Aggregator database setup begins.

9. In the **Completing the Raiden Data Aggregator Setup Wizard** page, select **Finish**.



The Data Aggregator is installed.

10. Next, [confirm the Data Aggregator configuration](#) ⁸⁷ is correct.

Minimum Configuration for Data Aggregator

To ensure proper operation, the Data Aggregator configuration file must be updated to enable communication with the Ross Platform Manager (RPM). This step is essential for managing user rights and establishing network connectivity.

Before you begin, ensure you have the following:

- IP address for the Ross Platform Manager (RPM)

To Confirm the Data Aggregator Configuration:

1. Navigate to the Data Aggregator subfolder in the Raiden directory and open the **config.da.json** file using a text editor.
2. In the **config.da.json** file, update the user right's management ("**urm**") section.



```
{
  "configured": true,
  "incoming_path": "D:\\Raiden\\DA\\data\\input\\",
  "output_path": "D:\\Raiden\\DA\\data\\output\\",
  "shape_path": "D:\\Raiden\\DA\\resource\\shp\\",
  "icon_path": "D:\\Raiden\\DA\\resource\\icon\\",
  "data_path": "D:\\Raiden\\DA\\resource\\data\\",
  "grib_set_path": "D:\\Raiden\\DA\\ecodes\\eccodes-grib_set\\grib_set.exe",
  "urm": {
    "mode": "RPM",
    "endpoint": "http://192.168.1.100:80"
  }
}
```

Config.da.json File - User Right's Management

- "**mode**" is set to "RPM".
 - "**endpoint**" is set to the IP address of the Ross Platform Manager (RPM), in web URL format.
 - If RPM is configured on a port other than the default (80), the URL must include it in the following format: "http://[IP]:[PORT]"
Example: "http://xxx.xxx.xxx.xxx:yyyy"
 - If RPM is configured to use SSL, use "https://" instead of "http://".
3. After making these changes, save the file.
 4. Next, [install the Data Aggregator license](#) using the XPression License Tool.

Installing the Data Aggregator License

The Data Aggregator requires a valid license to operate. This section explains how to add the license before running the application. To add the license, you need the XPression License Tool, which was either installed during the Data Aggregator installation or already available if previously installed.

For detailed RPM configuration and XPression License Tool procedures, refer to the documents listed in the [Required Reference Documentation](#) ² section.

To install the Raiden product key license:

1. Use the Ross Platform Manager (RPM) to add and activate the Raiden product key license provided by Ross Video.
2. Once the Raiden product key license has been activated, install it on the Data Aggregator server using the XPression License Tool.
3. Upon completing the licensing process, [verify the Data Aggregator is operational](#) ⁸⁸.

Verifying the Data Aggregator is Operational

Once you have the Data Aggregator license installed, you can run the Data Aggregator.

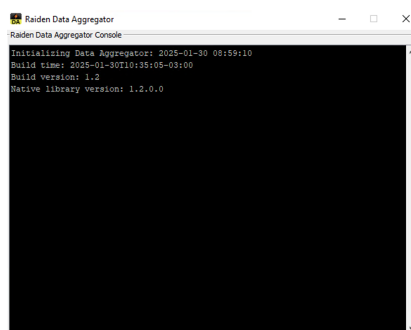
Note: Running the application as an administrator ensures the user has sufficient permissions to create, move, copy, and delete necessary files. However, a system user with the appropriate read and write permissions for the required directories can also run the application successfully.

★ User rights management is performed using the Ross Platform Manager (RPM). Instructions for setting up Raiden user rights management can be found in the *Appendix A: Raiden User Rights Management in this guide*.

To run the Data Aggregator:

1. In the **Raiden** folder, open the **Data Aggregator** subfolder and right-click on the **data_aggregator.bat** file.
2. From the options menu, select **Run as administrator**.

The **Raiden Data Aggregator Console** opens showing the version that is running and the Raiden Data Aggregator icon appears in the system tray.



Raiden Data Aggregator Console

3. Open your web browser and in the URL field enter the IP address of the Data Aggregator Server (**xx.xx.xxx.:8081**).
4. Press **Enter**.

You will be taken to the Data Aggregator Server **Login** page.

5. Log in with your **User** name and **Password**.

By successfully logging in and accessing the Data Aggregator on the web, you have confirmed that the Data Aggregator has been successfully installed and is running as intended.

6. Next, you will need to [install the Local Server](#)⁹⁰.

Local Server Installation

This section describes installing the Local Server application.

The process includes the following:

[Retrieving an API Key from the Data Aggregator](#)^[90]

[Installing the Local Server](#)^[91]

[Minimum Configuration for Local Server](#)^[100]

[Installing the Local Server License](#)^[101]

[Installing the Local Server Interface](#)^[103]

[Verifying the Local Server is](#)^[102] Operational

Retrieving an API Key from the Data Aggregator

Before installing the Local Server, you must retrieve an API key from the Data Aggregator. This key is essential for establishing a connection between the Local Server and the Data Aggregator.

Follow the procedure below to generate and copy the API key.

To retrieve the API Key:

1. Log into Data Aggregator, and go to **Endpoints** tab.
2. Select the **+Add** button.
The **New Endpoint Group** window opens.
3. In the **Name** field, enter a name for the new endpoint group and select **Create**.
The new endpoint group is created and appears in the Endpoints list.
4. Select the **+ Add** button for the new endpoint group you created.
The **New Endpoint** window opens.
5. In the **Name** field, enter a name for the new endpoint.
6. In the **API Key** field, copy the API Key.
This API key will be used to connect the Local Server to the Data Aggregator.
7. Select **Create**.
The new Endpoint is created and saved to the Endpoint Group.
8. Proceed to the [Installing the Local Server](#)^[91] section.

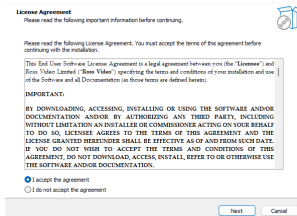
Installing the Local Server

This section describes installing the Local Server.

★ **Note:** Administrative privileges are required to install PostgreSQL, PostGIS, Java, and the Raiden application.

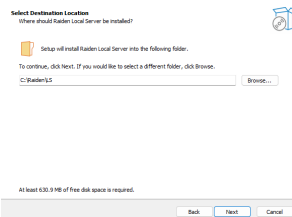
To install the Local Server:

1. Double-click the **Raiden Local Server vx.x.x.xxxx Setup.exe** file to open the **Raiden Local Server Setup Wizard**.
2. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.

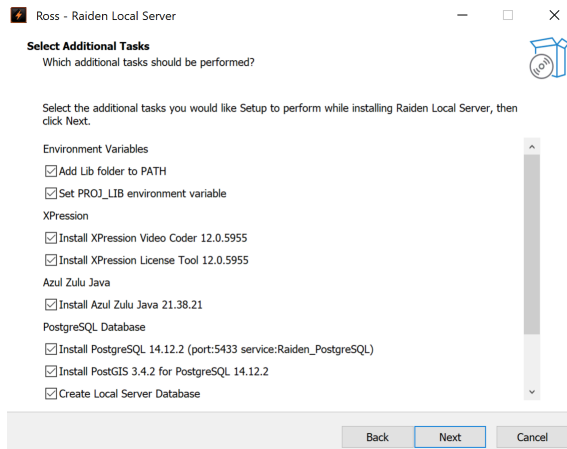


3. In the **Select Destination Location** page, select the **Browse** button to navigate to the folder in which you want to install the Local Server and then select **Next**.

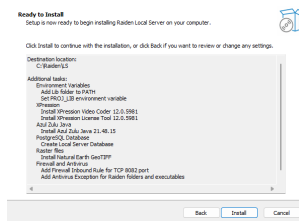
★ It is recommended to install the application in the **D:\Raiden\LS** directory.



4. In the **Select Additional Task** page, select the components to be installed, and select **Next**.



5. In the **Ready to Install** page, select **Install** to begin installation.

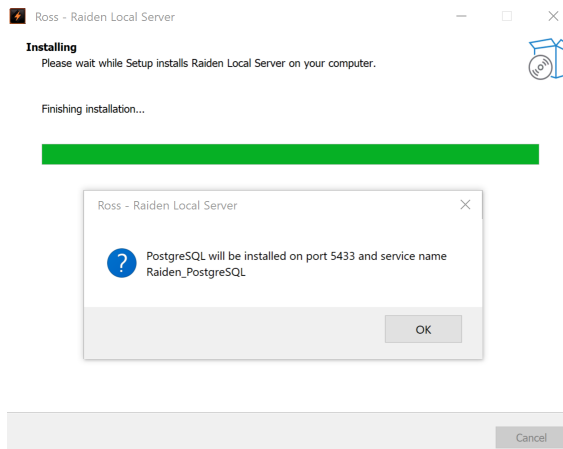


After selecting **Install**, the installation process begins. As part of this process, PostgreSQL and then PostGIS will be installed automatically, if required. These installations are integrated into the installation process.

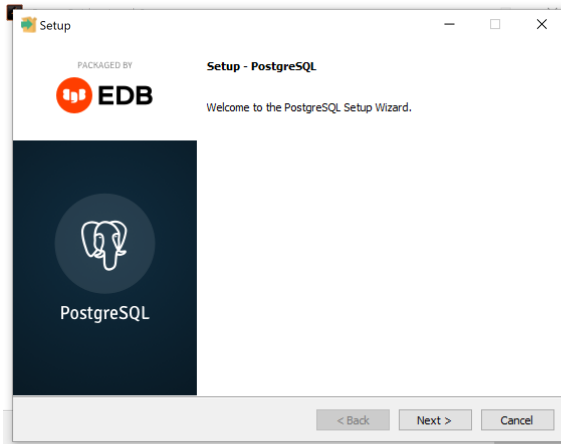
6. Install **PostgreSQL** (if applicable) as follows:

★ **Note:** If this component was not selected (because it is already installed), this step will be skipped automatically.

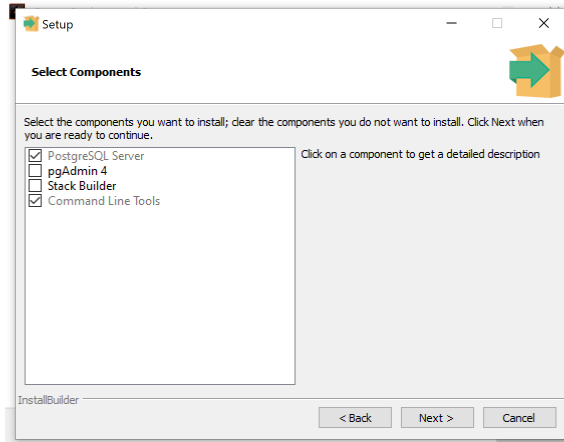
a. In the **Ross - Raiden Local Server PostgreSQL** installation dialog, select **OK**.



b. In the **Setup_PostgreSQL** page, select **Next**.

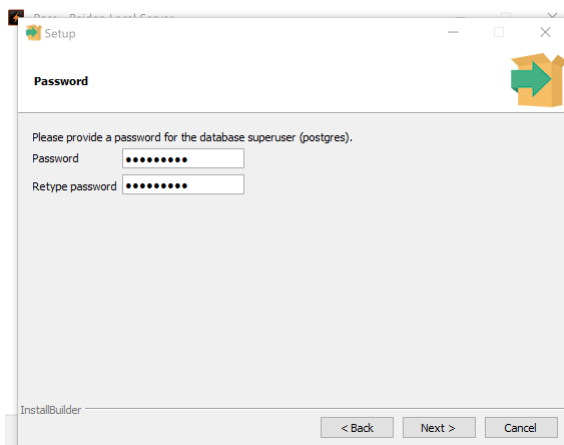


c. In the **Select Components** page, select **Next**.



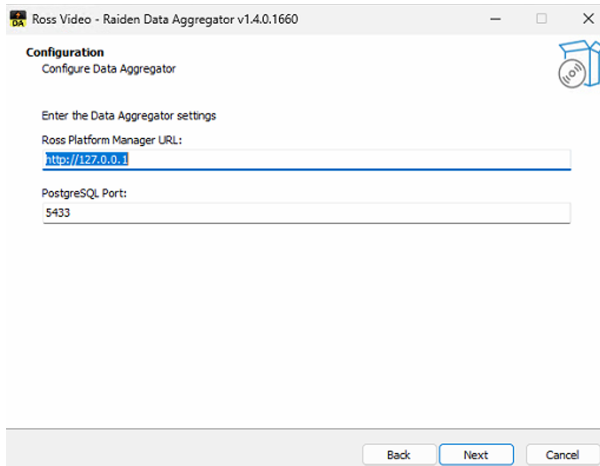
d. In the **Password** page, select **Next**.

★ Do not change the default password.



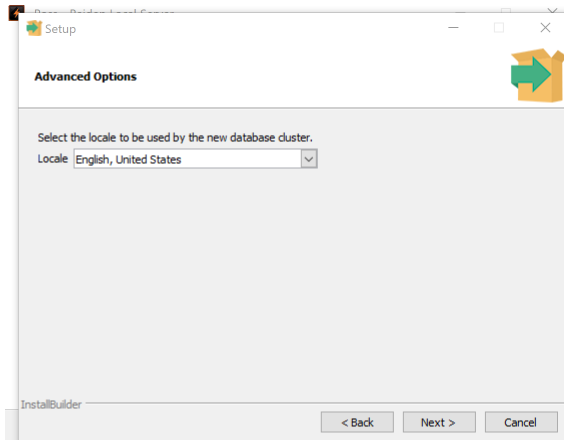
e. In the **Port** page, select **Next**.

★ Do not change the default port number (5433).

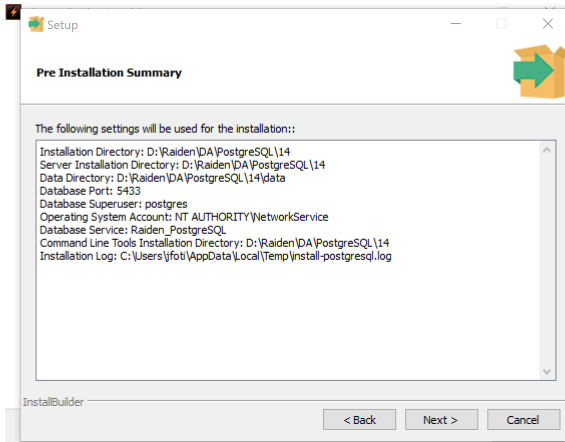


f. In the **Advanced Options** page, select **Next**.

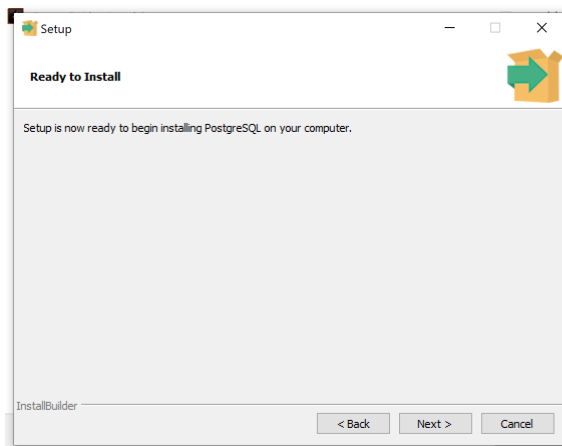
★ Do not change the default **Locale** language setting.



g. In the **Pre Installation Summary**, select **Next**.

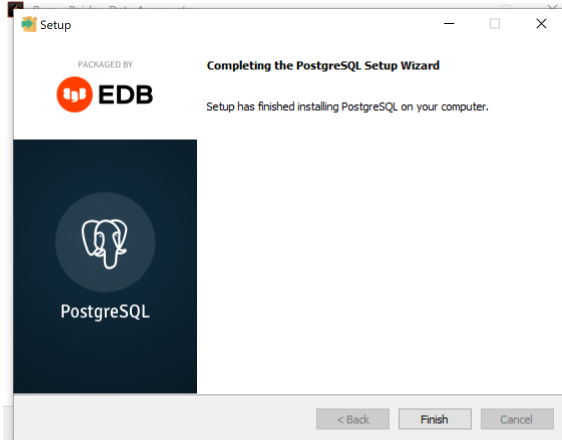


h. In the **Ready to Install** page, select **Next**.



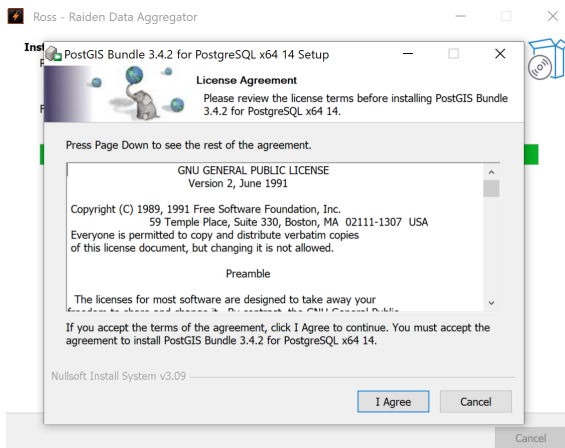
The PostgreSQL installation process begins.

- i. In the **Completing the PostgreSQL Setup** page, select **Finish**.

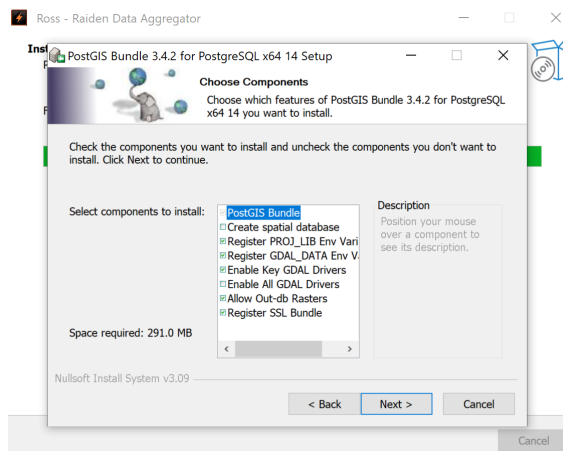


7. Install **PostGIS** (if applicable), as follows:

- a. In the **Ross - Raiden Local Server PostGIS** dialog, select **OK**.
- b. In the **License Agreement** page, read the license agreement, and select **I Agree** to continue the installation.

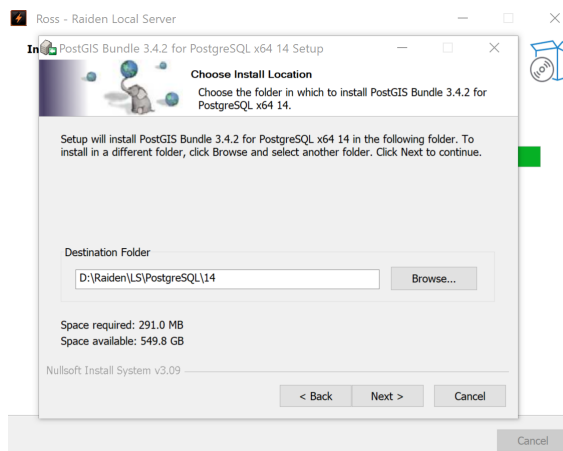


The **Choose Components** page opens.



c. In the **Choose Components** page, keep the default selections and select **Next**.

The **Choose Install Location** page opens.

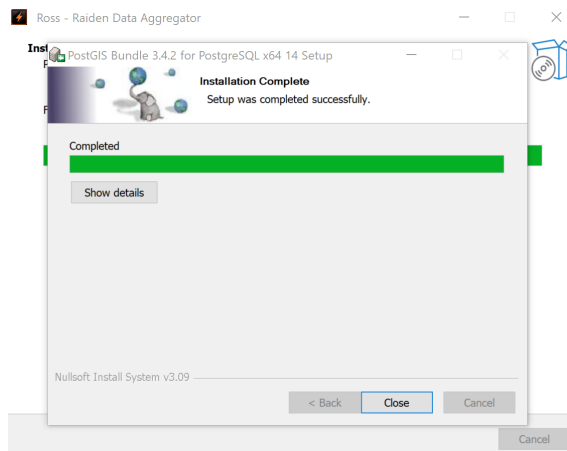


d. In the **Choose Install Location** page, select the **Browse** button to navigate to the folder in which you want to install PostGIS and then select **Next**.

★ PostGIS must be installed in the same folder as PostgreSQL. Users can install PostgreSQL on any drive, including C:, as long as PostGIS is installed in the same location.

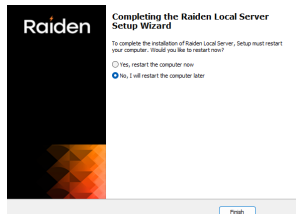
The PostGIS installation begins

- e. In the **Installation Complete** page, select **Close**.



The Local Server database setup begins.

8. In the **Completing the Raiden Local Server Setup Wizard** page, select **Finish**.



The Local Server is installed.

9. Next, [confirm the Local Server configuration](#) ¹⁰⁰ is correct.

Verifying the Local Server is Operational

Once you have the Local Server license installed, you can run the Local Server.

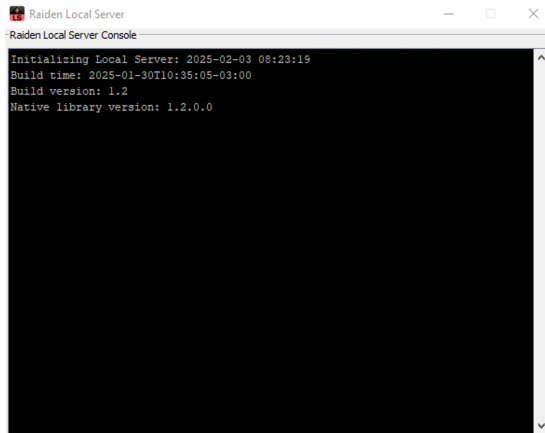
Note: Running the application as an administrator ensures the user has sufficient permissions to create, move, copy, and delete necessary files. However, a system user with the appropriate read and write permissions for the required directories can also run the application successfully.

★ User rights management is performed using the Ross Platform Manager (RPM). Instructions for setting up Raiden user rights management can be found in the *Appendix A: Raiden User Rights Management in this guide*.

To run the Local Server:

1. In the **Local Server** directory, right-click on the **local_server.bat** file.
2. From the options menu, select **Run as administrator**.

The **Local Server Console** opens showing the version that is running.



```
Raiden Local Server Console
Initializing Local Server: 2025-02-03 08:23:19
Build time: 2025-01-30T10:35:05-03:00
Build version: 1.2
Native library version: 1.2.0.0
```

Local Server Console

The Local Server is running.

3. Open your web browser and in the URL field enter the IP address of the Local Server (**xx.xx.xxx.:8082**).
You will be taken to the Local Server **Login** page.
5. Log in with your **User** name and **Password**.
By successfully logging in and accessing the Local Server on the web, you have confirmed that the Local Server has been successfully installed and is running as intended.
6. Next, you will need to install the [Local Server Interface](#) ¹⁰³.

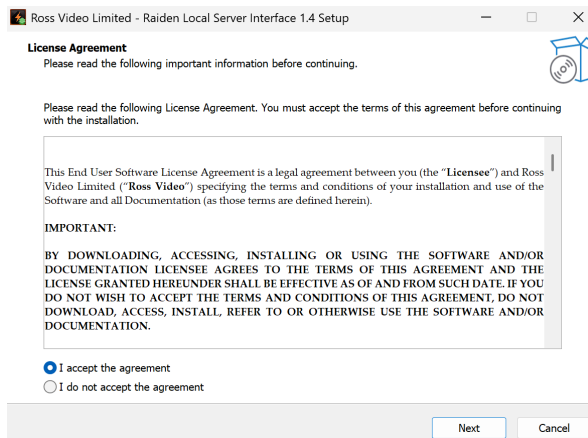
Installing the Local Server Interface

The Local Server Interface is a utility that enables other applications, such as Story Creator, to communicate with the Local Server and visualize data from it. This utility must be installed and running on the same machine as the Local Server to ensure seamless integration and functionality.

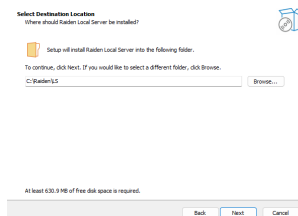
★ Administrative privileges are required to complete the installation successfully.

To install the Local Server Interface:

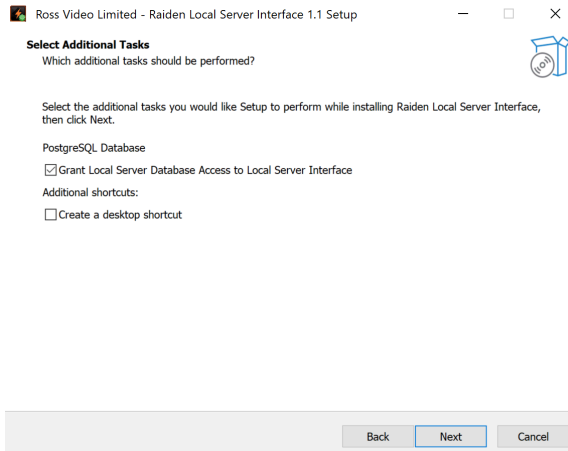
1. Run the **Raiden Local Server Interface setup.exe** to start the installation.
2. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.



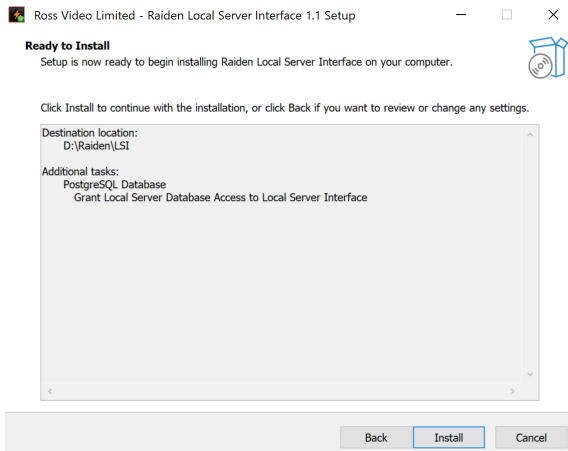
3. In the **Select Destination Location Page**, select the **Browse** button to navigate to the folder in which you want to install the Local Server Interface and then select **Next**.



4. In the **Select Additional Tasks** page, enable the **Grant Local Server Database Access to Local Server Interface** setting and select **Next**.

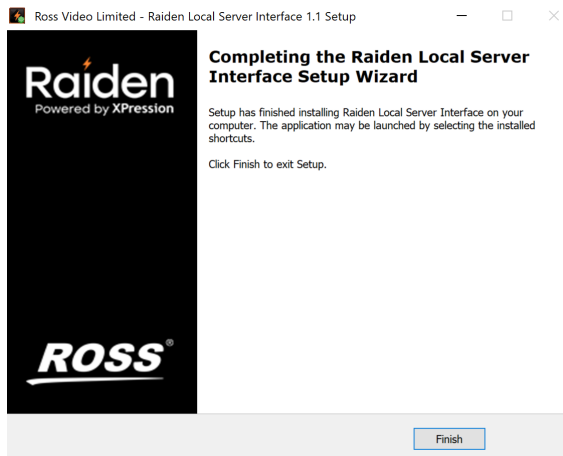


5. In the **Ready to Install** page, select **Install** to begin installation.



The installation process begins.

- In the **Local Server Interface Setup Wizard** page, select **Finish**.



- In the **Raideen** directory, open the **LSI** folder, right-click the **RaideenLSInterface.exe** file, and select **Run as Administrator** from the options menu.

The Local Server Interface is now running.

- Next, you will need to [install the Story Creator](#)¹⁰⁶.

Story Creator Installation

This section describes installing the Story Creator.

The process includes the following:

[Installing the XPression Plugin](#) ¹⁰⁶

[Installing the Story Creator](#) ¹¹⁰

[Minimum Configuration for Story Creator](#) ¹¹⁸

[Installing the Story Creator License](#) ¹¹⁸

[Verifying the Story Creator is Operational](#) ¹¹⁹

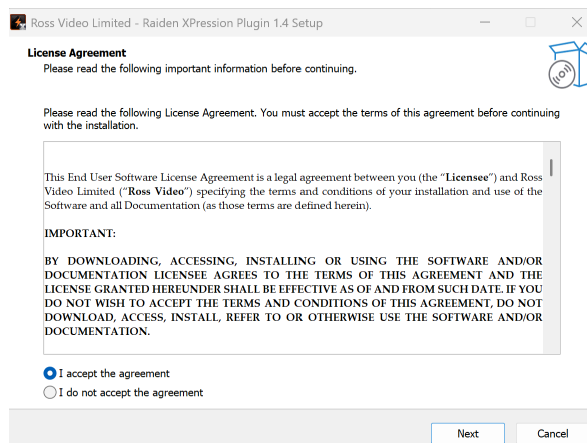
Installing the XPression Plugin

This section outlines the steps required to install the XPression Plugin, ensuring it is properly configured to interact with the Raiden environment. The XPression Plugin is an essential component of the Raiden system, enabling seamless integration between the Raiden Story Creator and XPression.

Before beginning the installation process, ensure that XPression 12 build 5955 is installed on your system.

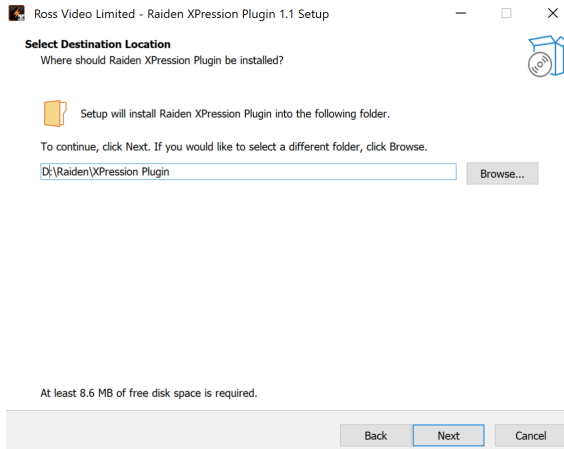
To install the XPression Plugin:

1. In XPression, open the Raiden base XPN project.
2. Run the **Raiden XPression Plugin Setup.exe** file to start the installation.
3. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.

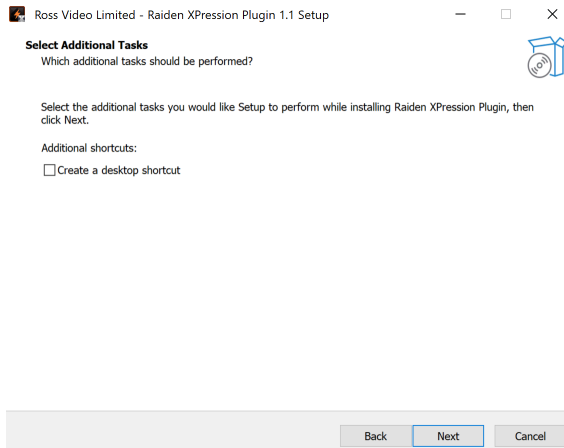


4. In the **Select Destination Location** page, select the **Browse** button to navigate to the folder in which you want to install the Raiden XPression plugin and then select **Next**.

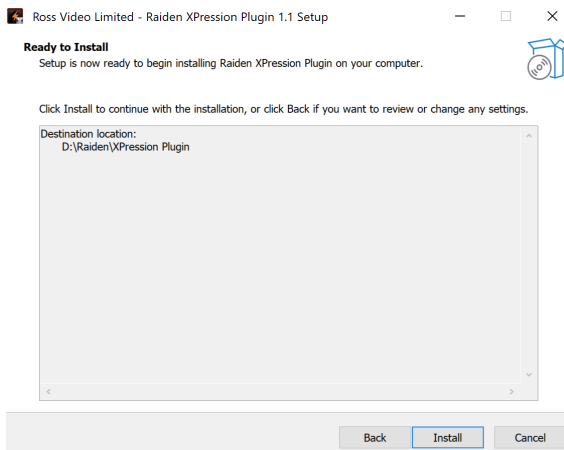
★ It is recommended to install the XPression Plugin in the **D:\Raiden\XPN_Plugin** directory.



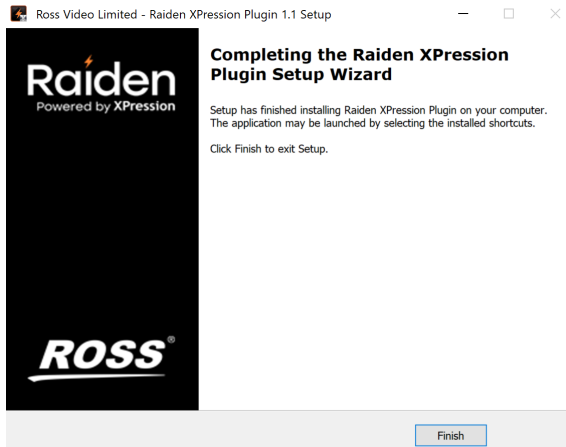
5. In the **Select Additional Tasks** page, select the **Create a desktop shortcut** option if you want to create a desktop shortcut for the Raideen XPression plugin (optional).



6. In the **Ready to Install** page, select **Install** to begin installation.



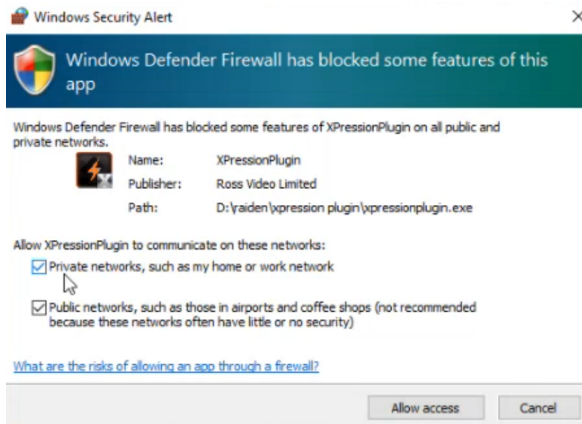
7. In the **Raideen XPression Plugin Setup Wizard** page, select **Finish**.



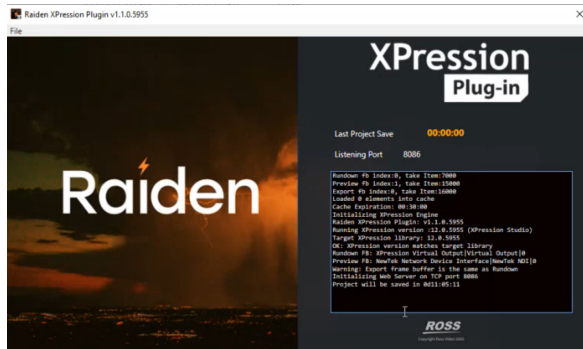
8. In the **Raideen** directory, open the **XPression Plugin** folder, right-click the **XPressionPlugin.exe** file, and select **Run as Administrator** from the options menu.

★ Requires administrative privileges.

9. In the **Windows Security Alert** page, enable the **Private networks**, such as my home or work network setting and select **Allow Access**.



The **Raiden XPression Plug-in** console appears.



The Raiden XPression plug-in is installed and connected to the XPression engine.

10. Next, [install the Story Creator](#) ¹¹⁰.

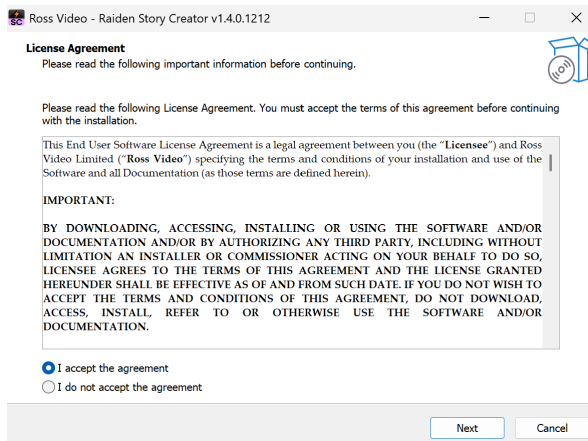
Installing the Story Creator

This section describes installing the Story Creator.

★ **Note:** Administrative privileges are required to install PostgreSQL, PostGIS, Java, and the Raiden application.

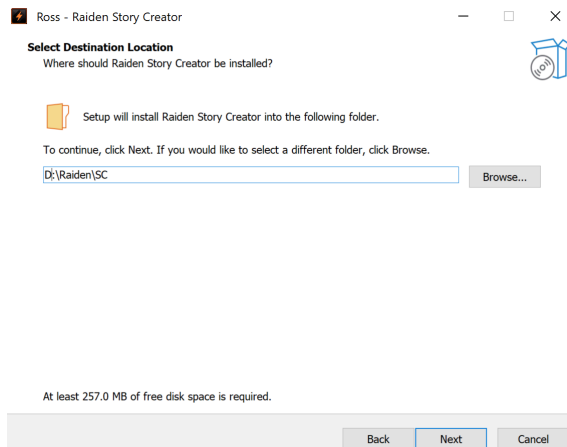
To install the Story Creator:

1. Run the **Raiden Story Creator Setup.exe** file to start the installation.
2. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.

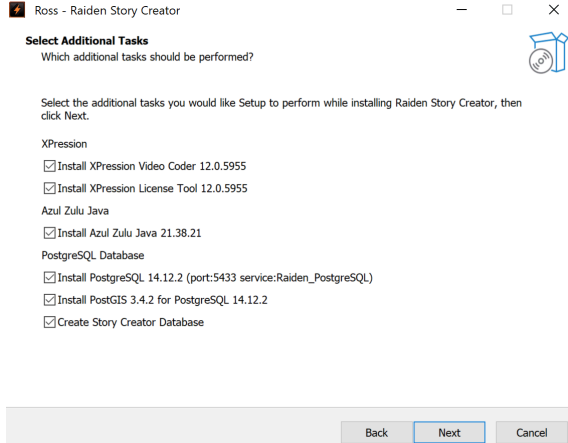


3. In the **Select Destination Location** page, select the **Browse** button to navigate to the folder in which you want to install the Local Server and then select **Next**.

★ It is recommended to install the application in the **D:\Raiden\SC** directory.



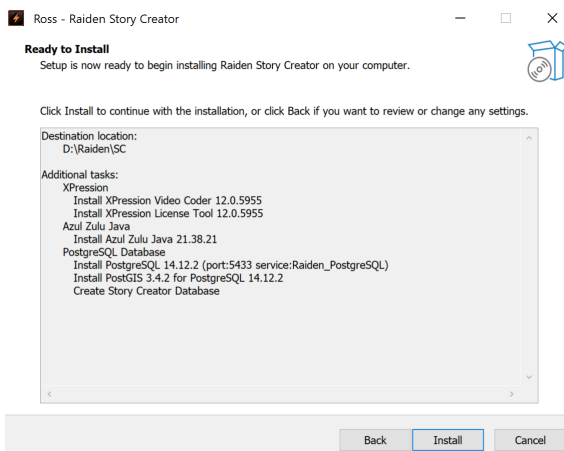
4. In the **Select Additional Tasks** page, select the components to be installed, and select **Next**.



After selecting **Install**, the installation process begins. As part of this process, PostgreSQL and then PostgreGIS will be installed automatically, if required. These installations are integrated into the installation process.

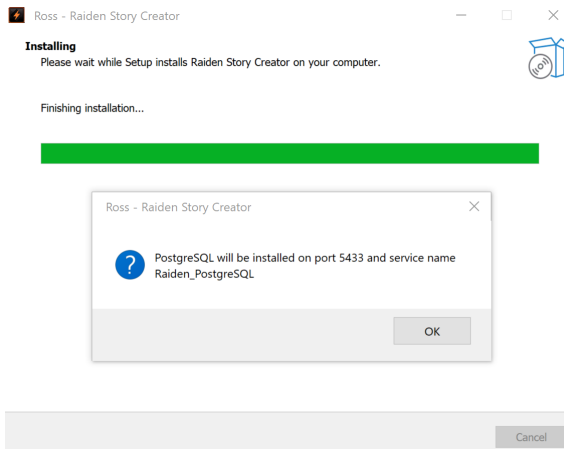
5. Install **PostgreSQL** (if applicable) as follows:

a. In the **Ready to Install Page**, select **Install** to begin installation.

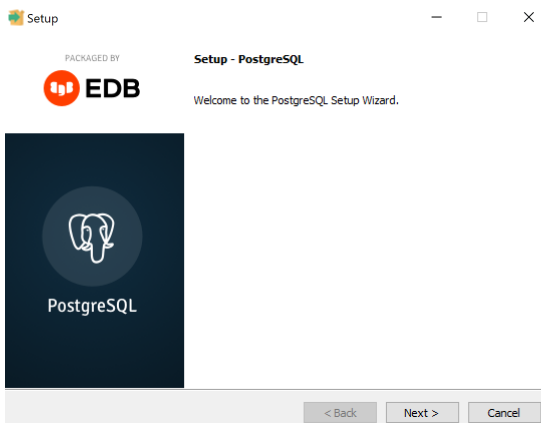


★ **Note**, if this component was not selected (because it is already installed), this step will be skipped automatically.

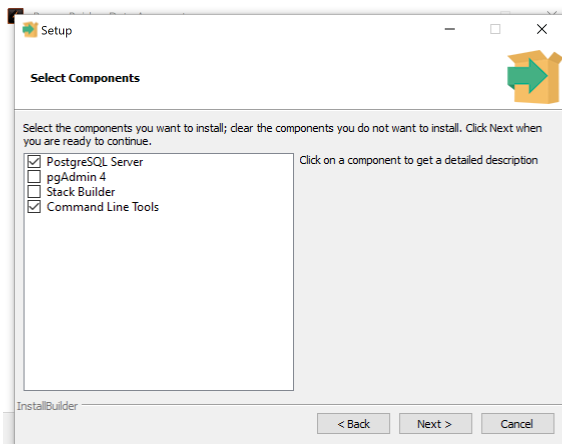
b. In the **Ross - Raiden Story Creator** PostgreSQL installation dialog, select **OK**.



c. In the **Setup_PostgreSQL** page, select **Next**.



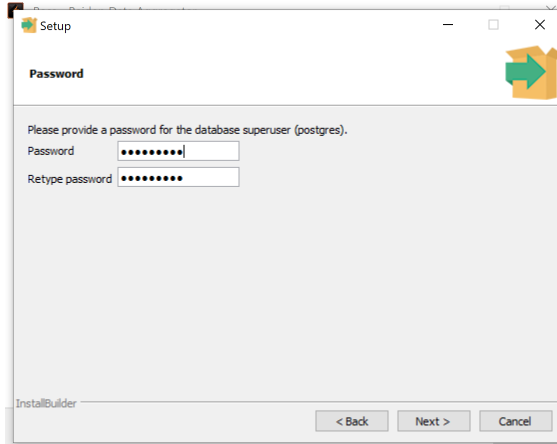
The **Select Components** page opens.



d. In the **Select Components** page, select **Next**.

The **PostgreSQL Password** page opens with the default passwords already populated.

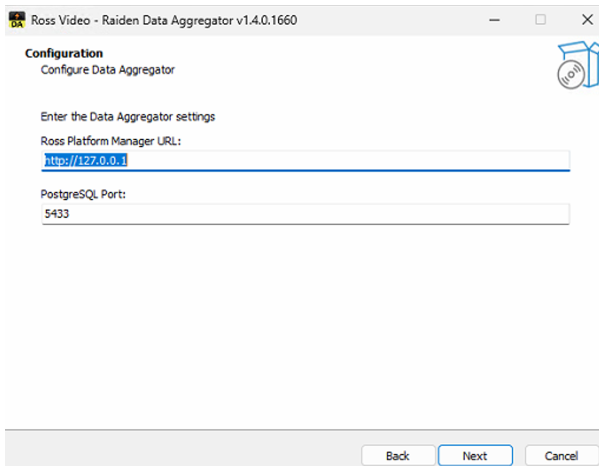
★ Do not change the default password.



e. In the **PostgreSQL Password** page, select **Next**.

The **PostgreSQL Port** page opens with the default port already populated.

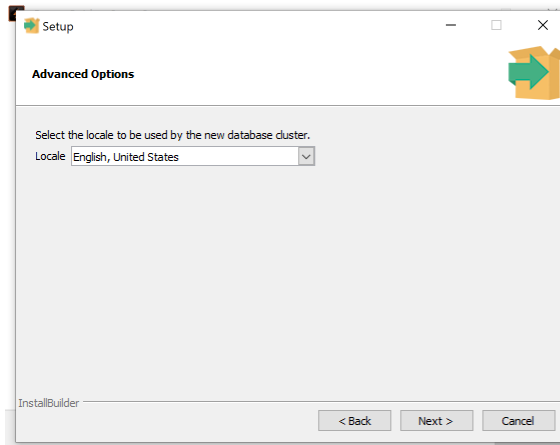
★ Do not change the default port (5433).



f. In the **PostgreSQL Port** page, select **Next**.

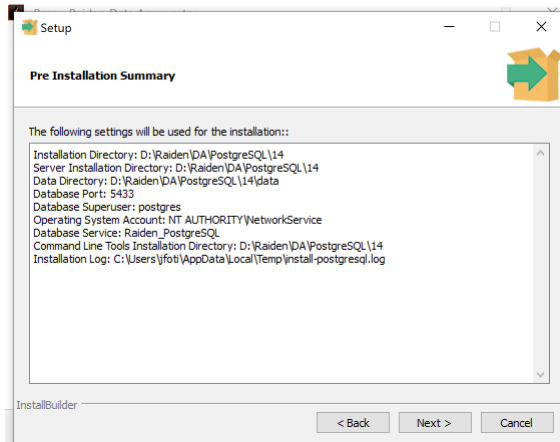
g. The **Advanced Options** page opens with the default local language selected.

★ **Important:** Do not change the default language.

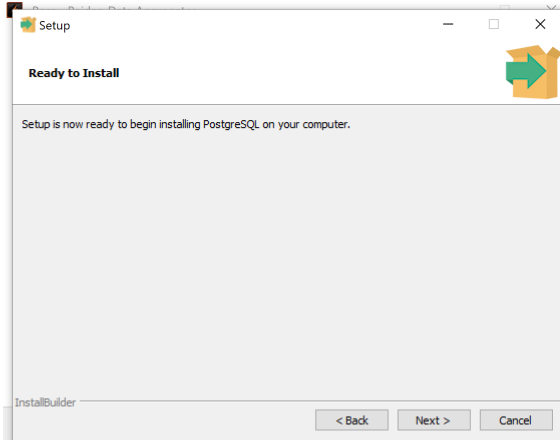


h. In the **PostgreSQL Advanced Options** page, select **Next**.

i. In the **Pre-Installation Summary** page, select **Next**.

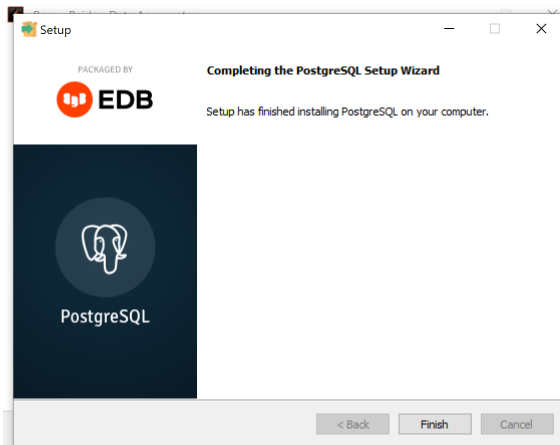


- j. In the **Ready to Install** page, select **Next**.



PostgreSQL installation begins.

- k. In the **Completing the PostgreSQL Setup Wizard** page, select **Finish**.

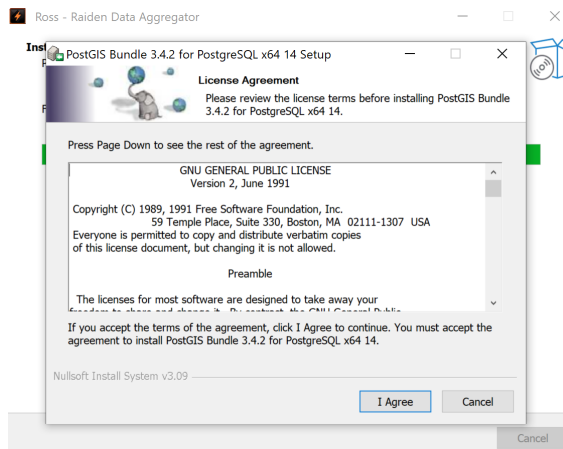


6. Install **PostgresGIS** (if applicable) as follows:

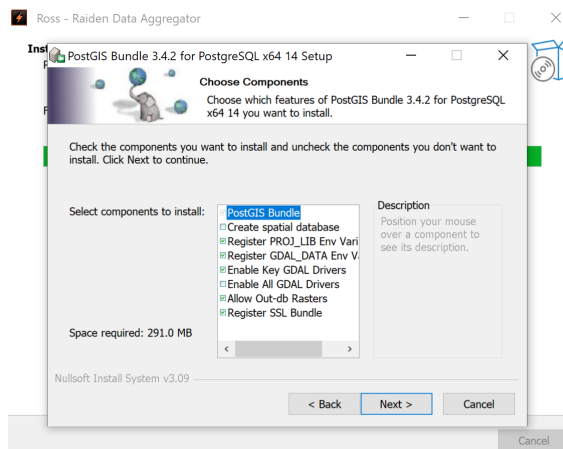
★ If this component was not selected (because it is already installed), this step will be skipped automatically.

- a. In the **PostGis Installation** dialog, select **OK**.

- b. In the **License Agreement** page, read the license agreement, and select **I Agree** to continue the installation.

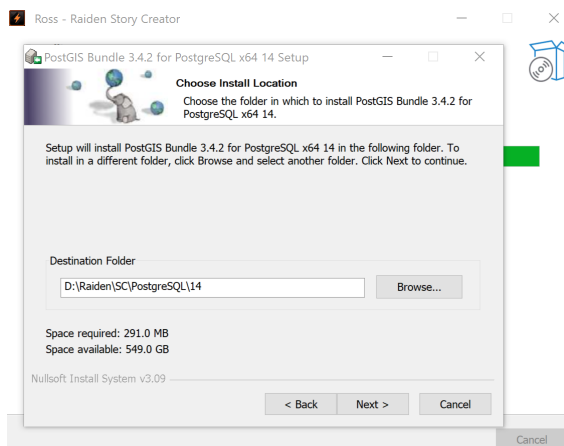


- c. In the **PostGIS Choose Components** page, keep the default selections and select **Next**.



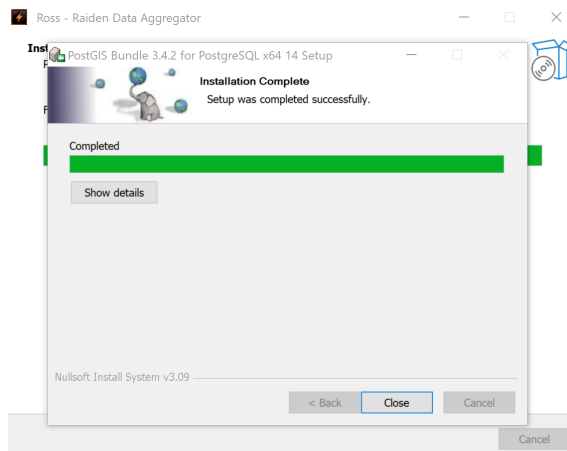
- d. In the **Choose Install Location** page, select the **Browse** button to navigate to the folder in which you want to install PostGIS and then select **Next**.

★ PostGIS must be installed in the same folder as PostgreSQL. Users can install PostgreSQL on any drive, including C:, as long as PostGIS is installed in the same location.

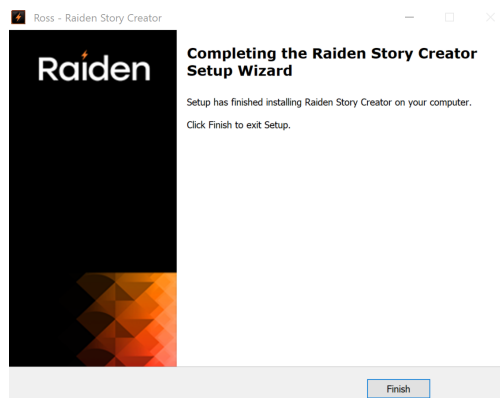


PostGIS Installation begins.

- e. In the **PostGIS Installation Complete** page, select **Close**.



7. In the **Raiden Story Creator Setup Wizard** page, select **Finish**.



8. Add the Story Creator API key to the XPression Plugin configuration file as follows:
- In Story Creator, open the configuration settings and go to the **Engine** section.
 - Locate the **API Key** field and copy the API key.
 - On the XPression system, navigate to the XPN Plugin directory and open the config.json file in a text editor.
 - Paste the API key value into the "api_key" field, save the file, and close the text editor.
9. Next, confirm the Story Creator configuration as described in the [Minimum Configuration for Story Creator](#) section.

Minimum Configuration for Story Creator

To ensure proper operation, the Data Aggregator configuration file must be updated to enable communication with the Ross Platform Manager (RPM). This step is essential for managing user rights and establishing network connectivity.

Before you begin, ensure you have the following:

- IP address for the Ross Platform Manager (RPM)
- API Key from the Data Aggregator

To confirm the Story Creator Configuration:

1. Navigate to the Story Creator subfolder in the Raiden directory, and open the **config.sc.json** file.
2. In the **config.cs.json** file, update the user right's management ("**urm**") section.
3. In the "**urm**" section, ensure the following:
 - "**mode**" is set to "RPM".
 - "**endpoint**" is set to the IP address of the Ross Platform Manager (RPM), in web URL format.
 - If RPM is configured on a port other than the default (80), the URL must include it in the following format: "http://[IP]:[PORT]"
Example: "http://xxx.xxx.xxx.xxx:yyyy"
 - If RPM is configured to use SSL, use "https://" instead of "http://".

```
{
  "configured": true,
  "data_directory": "D:\\Raiden\\SC\\data",
  "urm": {
    "mode": "RPM",
    "endpoint": "http://192.168.1.100:80"
  }
}
```

Config.sc.json File - User Right's Management Setting

4. In the "**local_server**" section, ensure the following:
 - "**default url**" is set to the url of the Local Server.
 - "**api_key**" is set to the API Key for the Local Server.

```
    "max_age": 432000
  },
  "local_server": {
    "default_url": "http://192.168.1.100:80",
    "host_url": {
      "host": "192.168.1.100",
      "url": "http://192.168.1.100:80"
    }
  },
  "api_key": ""
}
```

Config.sc.json File - Local Server Settings

5. Save the file.
6. Next, [install the Story Creator license](#) ¹¹⁸ using the XPression License Tool.

Installing the Story Creator License

The Story Creator requires a valid license to operate. This section explains how to add the license before running the application. To add the license, you need the XPression License Tool, which was either installed during the Story Creator installation or already available if previously installed.

For detailed RPM configuration and XPression License Tool procedures, refer to the documents listed in the [Required Reference Documentation](#) ²¹ section.

To install the Raiden product key license:

1. Use the Ross Platform Manager (RPM) to add and activate the Raiden product key license provided by Ross Video.
2. Once the Raiden product key license has been activated, install it on the Story Creator server using the XPression License Tool.
3. Upon completing the licensing process, [verify the Story Creator is operational](#) ¹¹⁹.

Verifying the Story Creator is Operational

Once you have the Local Server license installed, you can run the Local Server.

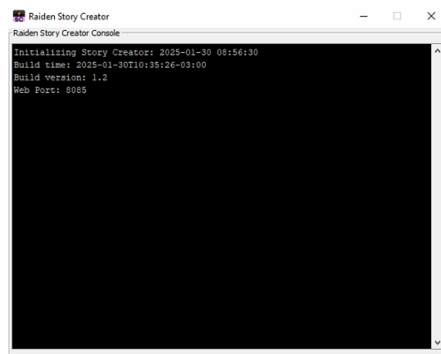
Note: Running the application as an administrator ensures the user has sufficient permissions to create, move, copy, and delete necessary files. However, a system user with the appropriate read and write permissions for the required directories can also run the application successfully.

★ User rights management is performed using the Ross Platform Manager (RPM). Instructions for setting up Raiden user rights management can be found in the *Appendix A: Raiden User Rights Management in this guide*.

To run the Local Server:

2. In the **Raiden** folder, navigate to **Story Creator** subfolder, right-click the **story_creator.bat** file, and select **Run as Administrator**.

The **Story Creator Console** opens showing the version that is running.



Story Creator Console

4. Open your web browser and in the URL field enter the IP address of the Story Creator (**xx.xx.xxx.:8085**).
5. Press **Enter**.

You will be taken to the Story Creator **Login** page.

6. Log in with your **User** name and **Password**.

By successfully logging in and accessing the Story Creator on the web, you have confirmed that the Story Creator has been successfully installed and is running as intended.

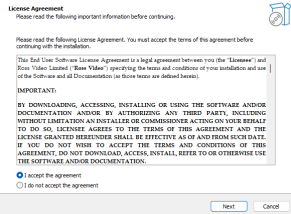
Raiden DataLinq Server Installation

Optionally, if you want to use DataLinq workflow for XPression or Voyager, you will need to install the Raiden DataLinq server in the Local Server machine.

★ Ensure you have administrative privileges to complete the installation successfully.

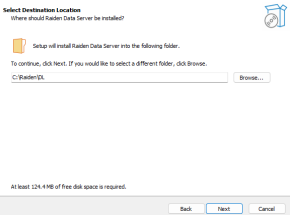
To install the Raiden DataLinq Server:

1. Run the **Raiden DataLinq Server Setup.exe** file to start the installation.
2. In the **License Agreement** page, read the license agreement, select **I accept the agreement** to continue the installation and select **Next**.



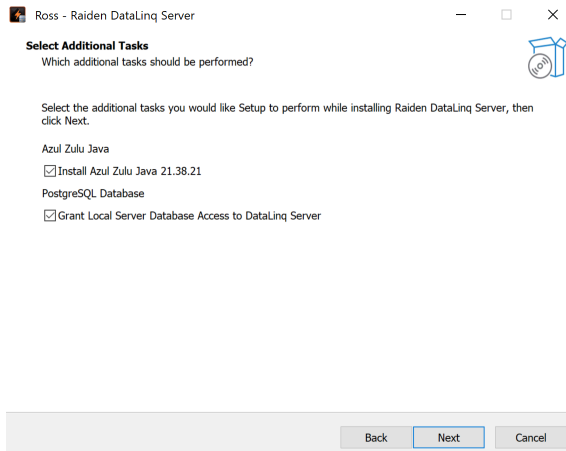
3. In the **Select Destination Location** page, select the **Browse** button to navigate to the folder in which you want to install Raiden DataLinq and then select **Next**.

★ **IMPORTANT:** It is strongly recommended to install the Raiden DataLinq Server on a secondary drive with at least 2TB of storage, separate from the operating system drive.



4. In the **Select Additional Tasks** page, select the following:

- **Azul Zulu Java** - Required (unless already installed)
- **Grant Local Server Database Access to DataLinq Server** - Required



5. Select **Next**.

6. In the **Ready to Install** page, select **Install** to begin installation.

