Installation Guide

RESTXpress

Version 3.1

www.restxpress.com

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Introduction

After some initial steps, RESTXpress installation can be done using default settings or using custom settings. This guide will first describe the initial steps for installation. After the point where you choose to use default or custom settings, the document will describe two separate sets of steps ("case 1" and "case 2") to complete the installation based on which settings are selected.

Initial Steps

Before starting, make sure you have an application server like Apache Tomcat installed.

1. Unzip the *ExadelRESTXpress.zip* file and locate the *restxpress-installer.jar* file.

2. Run the *restxpress-installer.jar* file. You will see the welcome message, which will include general information about:
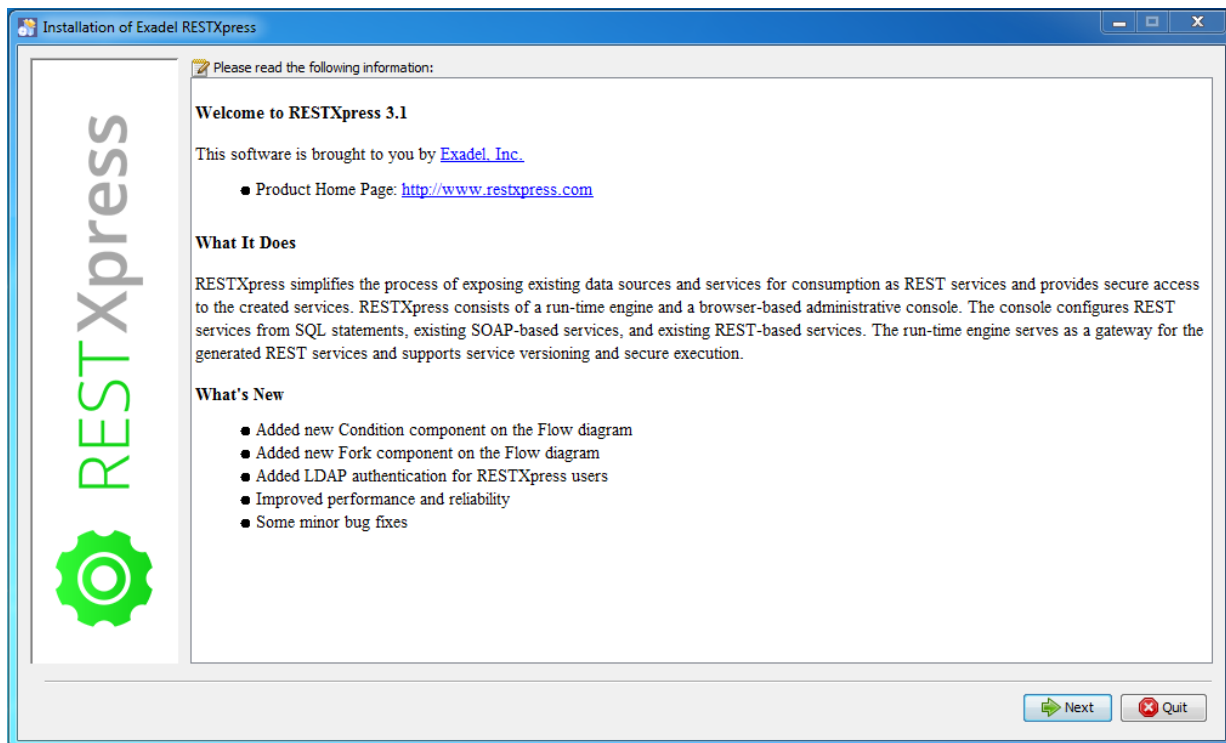
   - Our company
   - The product

Figure 1 – Welcome window

Click **Next.**

3. In the License Agreement window, check **I accept the terms of this license agreement.** Otherwise, you will not be able to proceed with the installation.
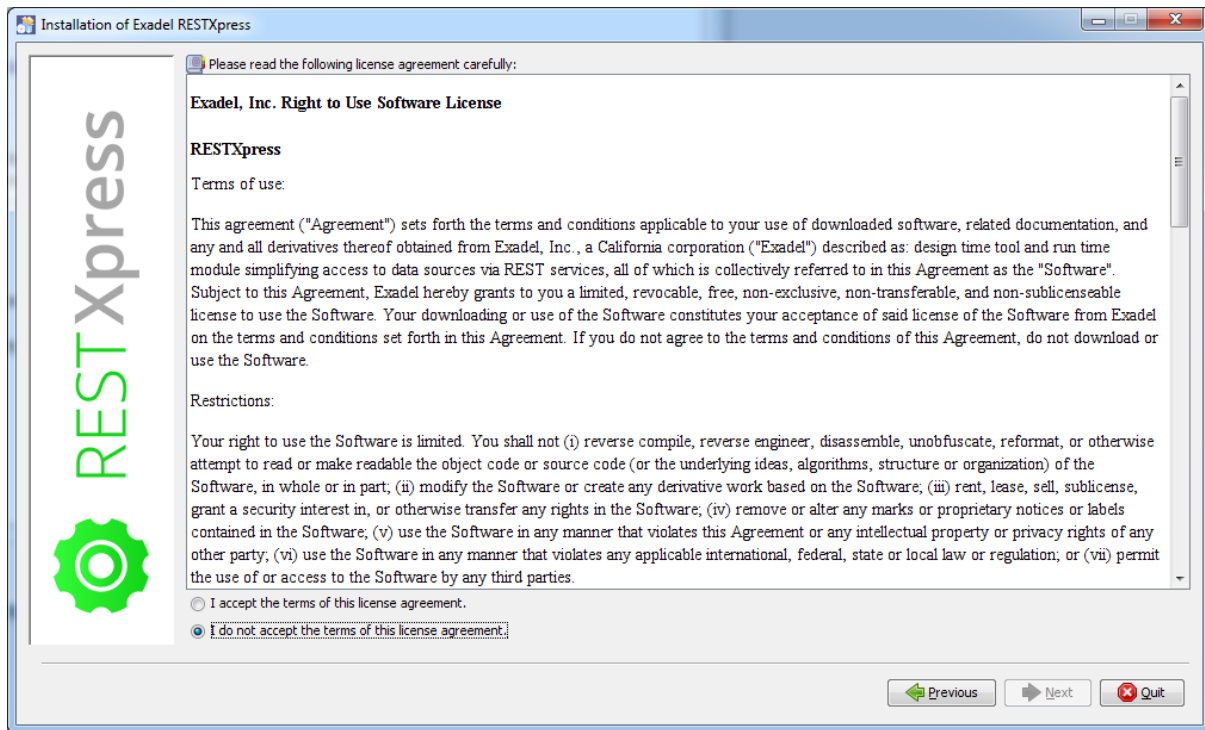

Figure 2 – License Agreement window

Click **Next**.

4. In this window, you can select an application server. Choose one:

    - Tomcat
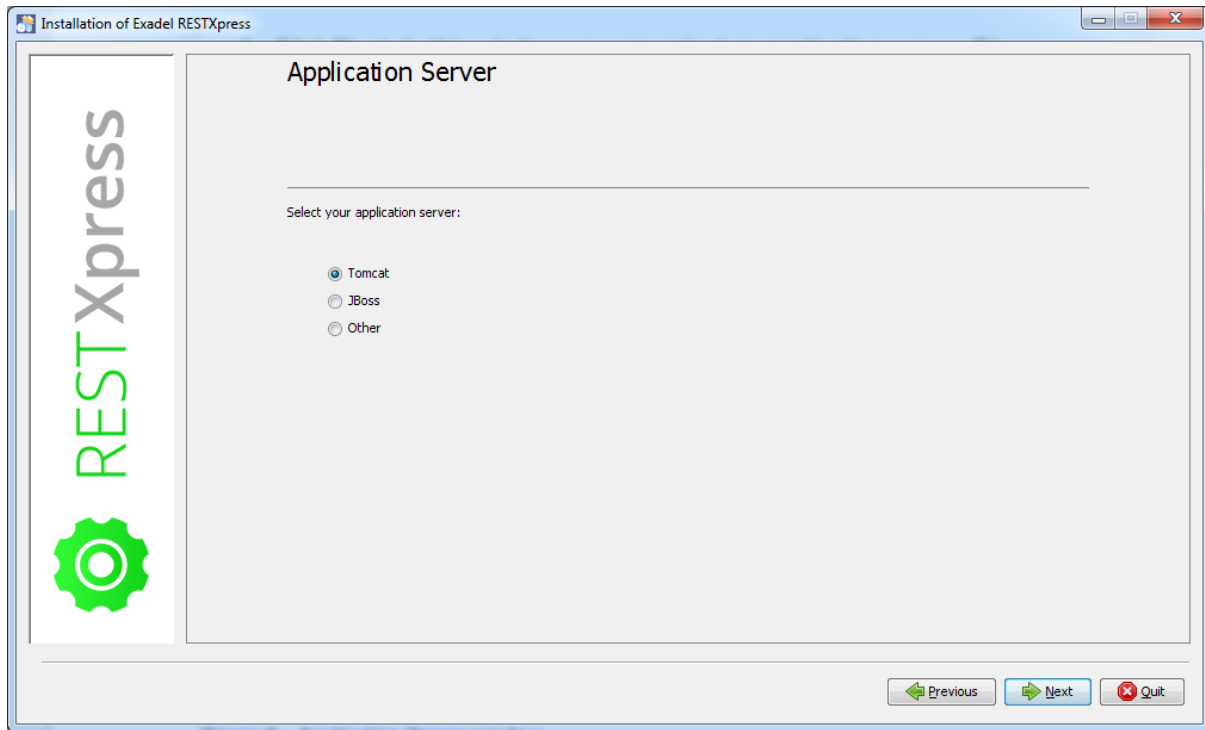   - JBoss
    - Other

Figure 3 – Application Server window

Click **Next.**

5. In the **Location** window for the selected application server, specify:

- Whether a new Tomcat 7 instance should be installed with the product to be used as the application server (even if Tomcat is already installed).

- The location of the selected application server

    o For Tomcat, the web application archive files (admin.war and rest.war) will be copied to the *tomcat\webapps* folder.

    o For JBoss, the *.war files will be copied to the *standalone\deployments* folder.

    o For Other, the *.war files will be copied to the selected folder.

- Whether the default installation is to be used.

- Whether samples should be included or not in the installed database. (For more information about samples refer to the RESTXpress User Guide.)
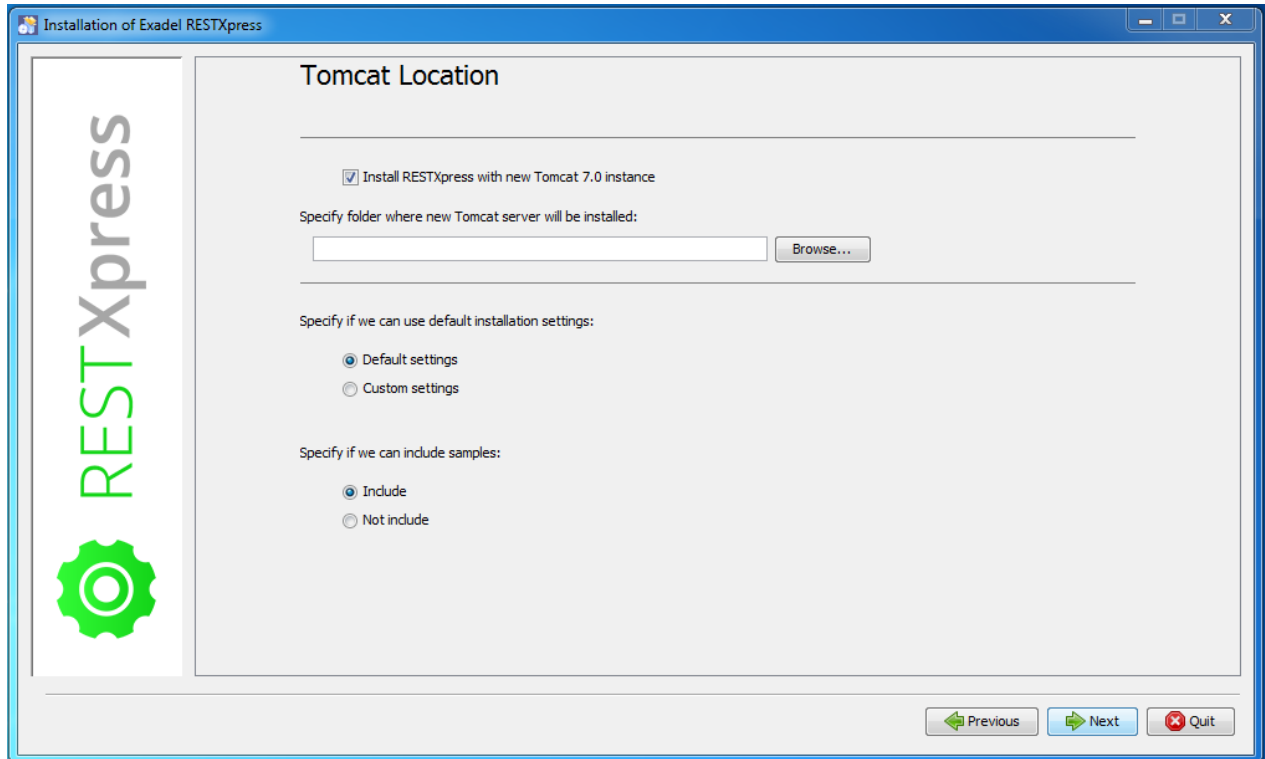

Figure 4 – Tomcat Location window

From this point on, the installation steps will differ depending on whether **Default settings** or **Custom settings** is selected, so we will follow each pathway in its own section.

Case 1: Continuing with Default Settings

1. With default settings selected, click **Next** in the Location window**.** Then, in the **Installation Progress** window, wait until the installation process completes.
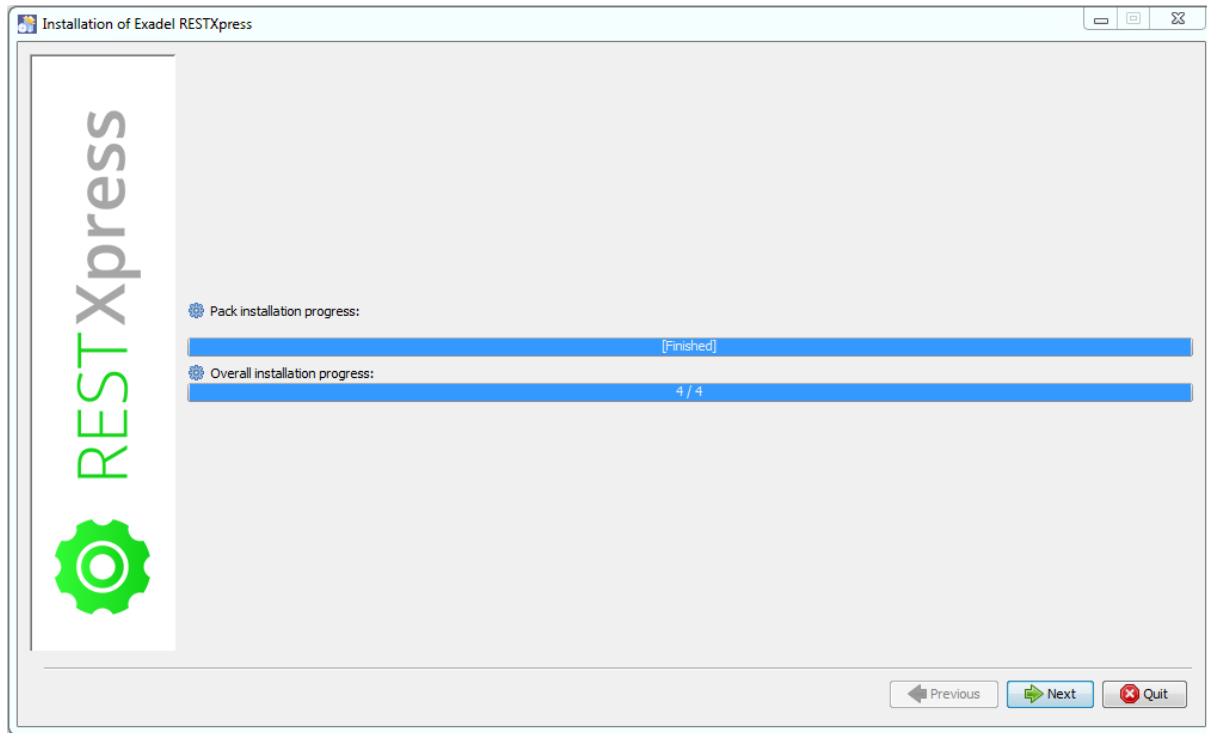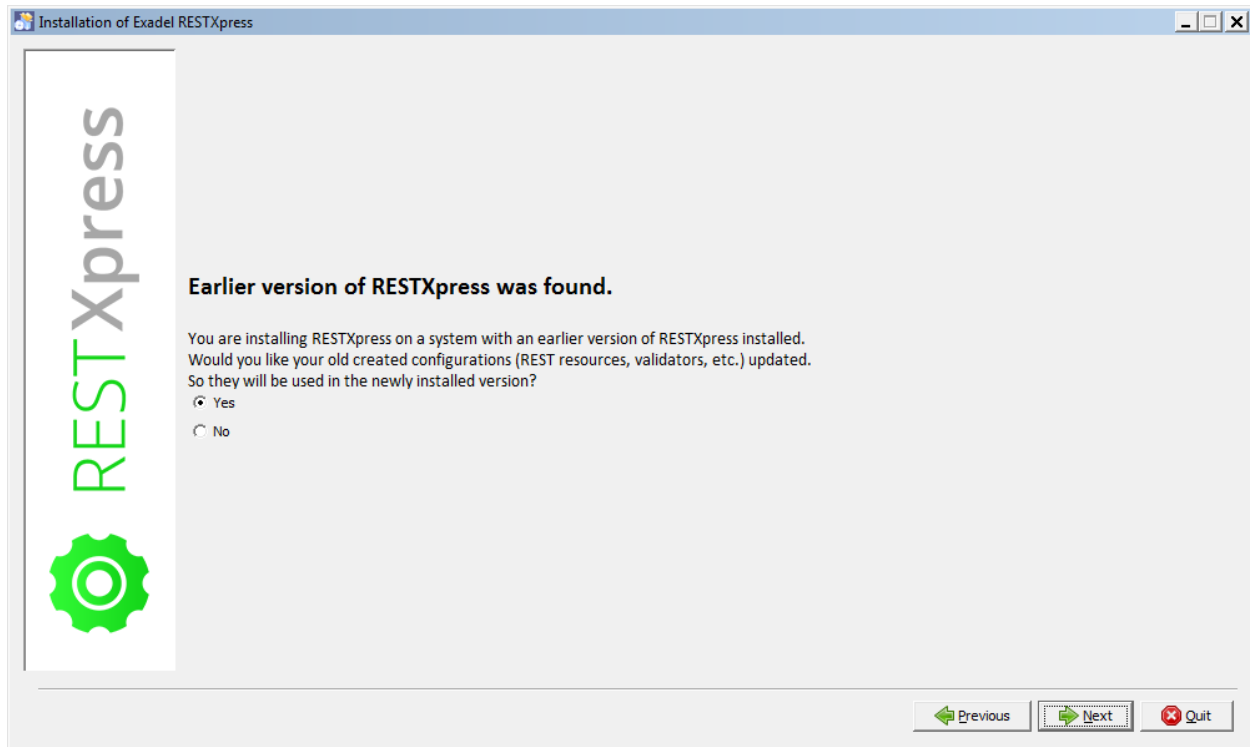

Figure 5 – Installation Progress window

Click **Next**.

2. At this point the installer checks to see if you already have an installed version of RESTXpress. If it does find something, it displays a special window; otherwise, this step is skipped. The window displayed will vary based on whether you have an older version or the current version installed.
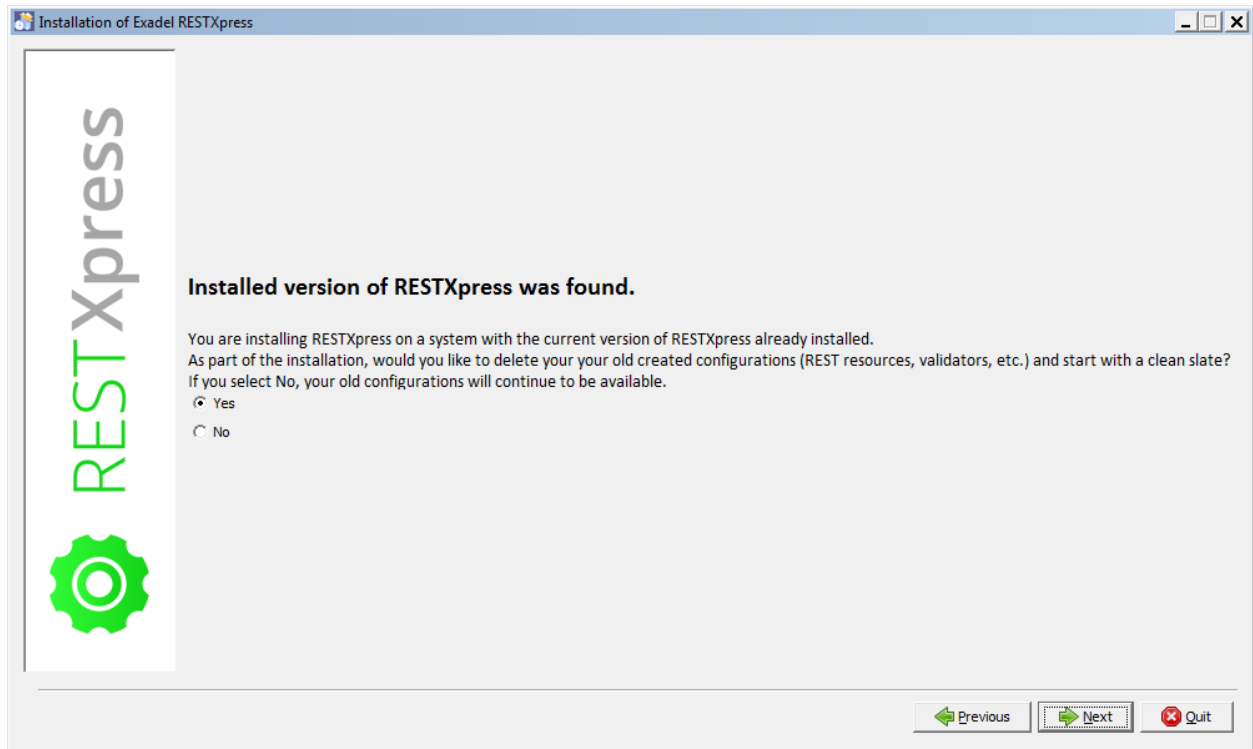
   If you have an older version, you will be asked if you want to update your old created configurations (REST resources, validators, etc.) to work with the new version and be available for use. Choosing No will discard the old configurations.

Figure 6 – Window displayed when older version of RESTXpress found

   If you have the current version of RESTXpress installed, you will be asked if you want to delete your old created configurations (REST resources, validators, etc.) and start with a clean slate. Choosing **No** will keep your old configurations.
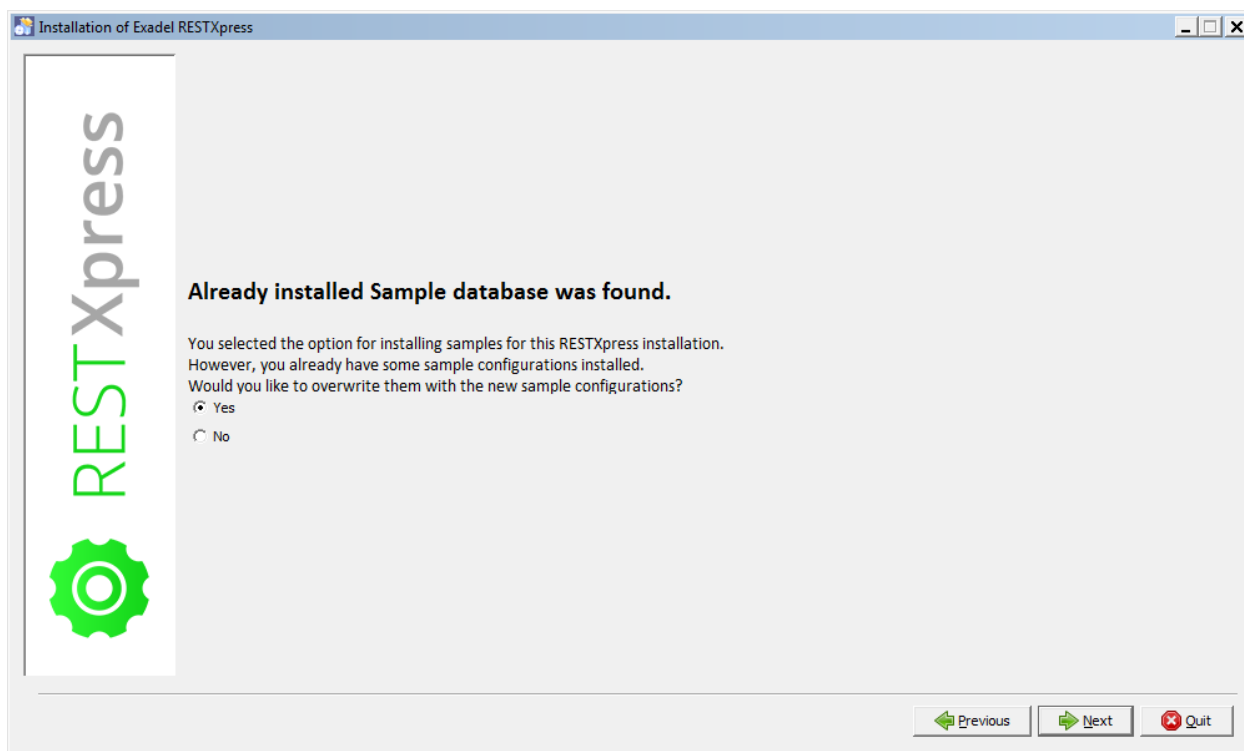
Figure 7 – Window displayed when current version of RESTXpress found

After making your selection, in either case, click **Next**.

3. If you had earlier selected the option to install samples, at this point, the installer checks to see if you already have samples from a previous installation. If this is true, it displays a special window; otherwise, this step is skipped. In this window, you will be asked if you want to replace the older samples. Choosing **No** will keep your old samples.

Figure 8 – Window displayed when pre-existing samples are detected

Click **Next.**

4. In the **Installation Complete** window, you can:

- Find the location where the uninstaller program has been created.

- Generate an automatic location script in XML format that enables you to run the same installation on another similar machine with the *java -jar installer.jar auto-install.xml* command.
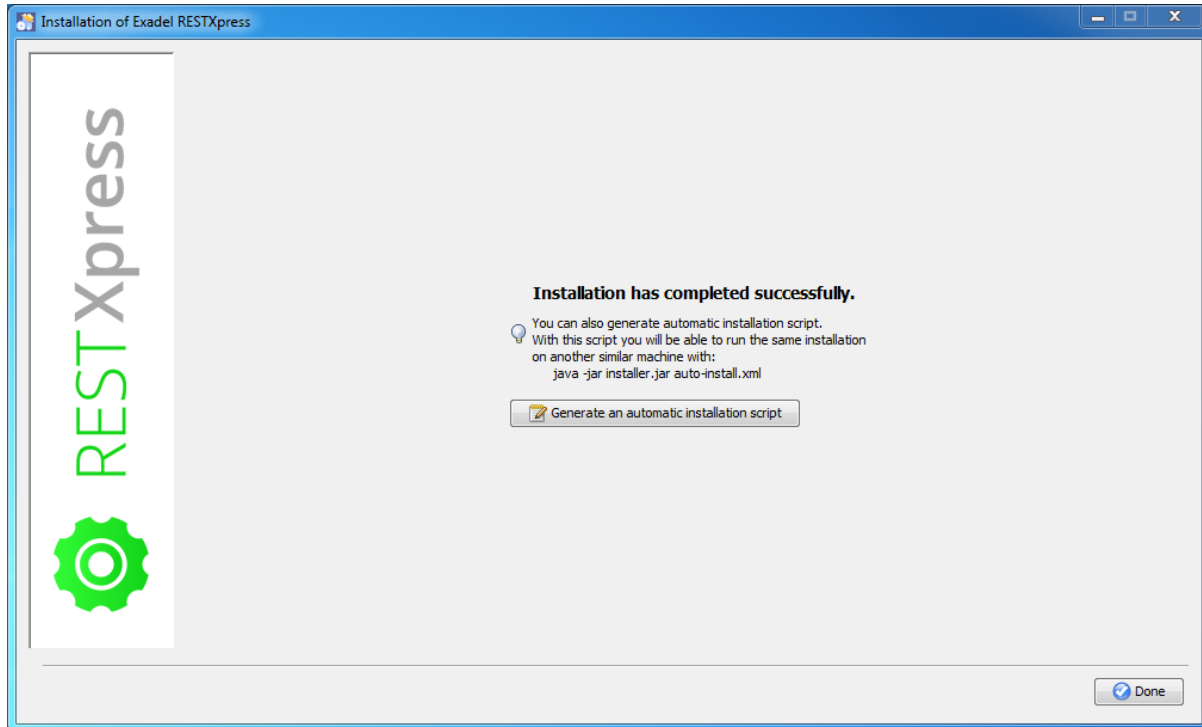

Figure 9 – Installation Complete window

Click **Done** to exit the installer.

5. After the installer exits, the *RESTXpress: Request for Trial License* page will be opened in your browser. On this page you can either request a trial license or a paid license.

Case 2: Continuing with Custom Settings

1. With custom settings selected, click **Next** in the Location window**.**

2. In the **Custom Settings** window, specify:

   - *Infinispan port*, which specifies the port for data synchronization

   - *User name for administrator*, which specifies the administrator name used for authorization

   - *Password for administrator*, which specifies the password used for authorization

   NOTE: To make sure the required password is entered correctly, it must be retyped in the *Retype password* field.

3. In this same window, you can also check

   - *Use LDAP authentication,* which allows you to use LDAP authentication per the parameters you set in the form below the checkbox.

Figure 10 – Custom Settings window

   NOTE: The authorization data can be changed in the *restxpress-users.properties* file.

   Click **Next.**

4. In the **Configuration Folder** window, specify the location where the RESTXpress configuration will be stored.

This specified folder will also contain two additional files: *resxpress-api.jar* and *README.txt*. The *resxpress-api.jar* file is required for implementing custom validators, filters, and authenticators. The *README.txt* file contains several important tips.

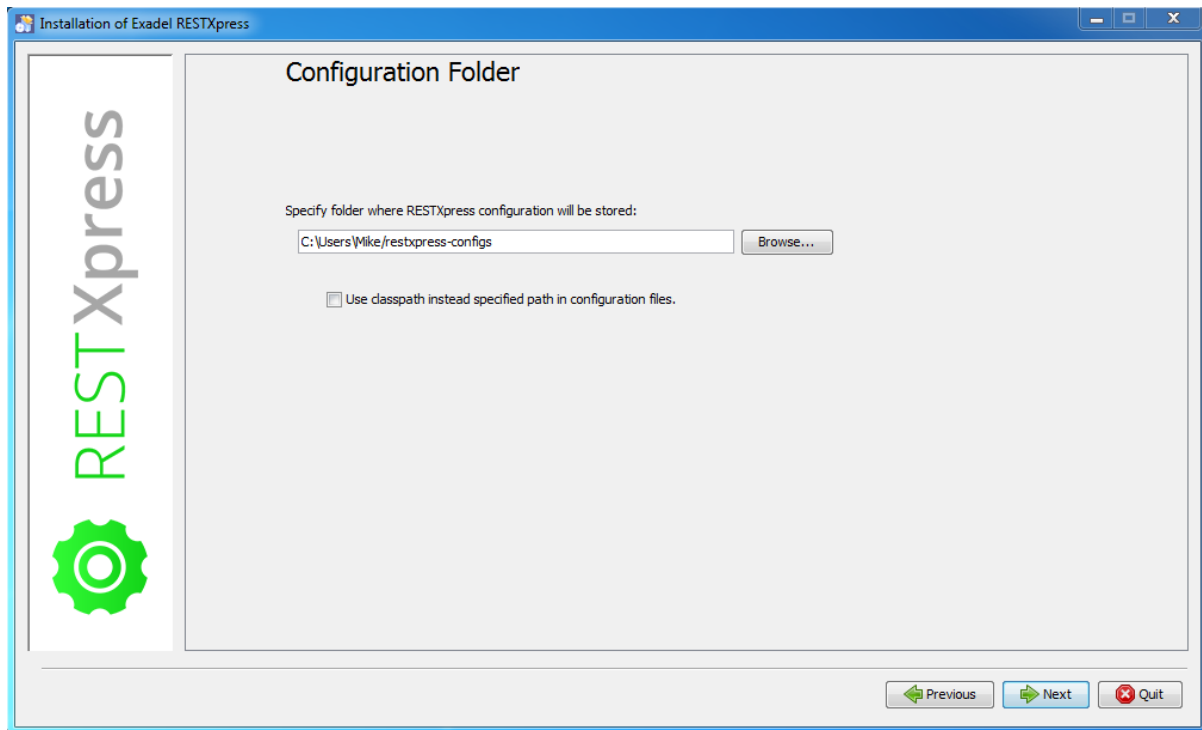You also just select "Use classpath…" instead.

Figure 11 – Configuration Folder window

Click **Next.**

5. At this point the installer checks to see if you already have an installed version of RESTXpress. If it does find something, it displays a special window; otherwise, this step is skipped. The window displayed will vary based on whether you have an older version or the current version installed.

   If you have an older version, you will be asked if you want to update your old created configurations (REST resources, validators, etc.) to work with the new version and be available for use. Choosing No will discard the old configurations.
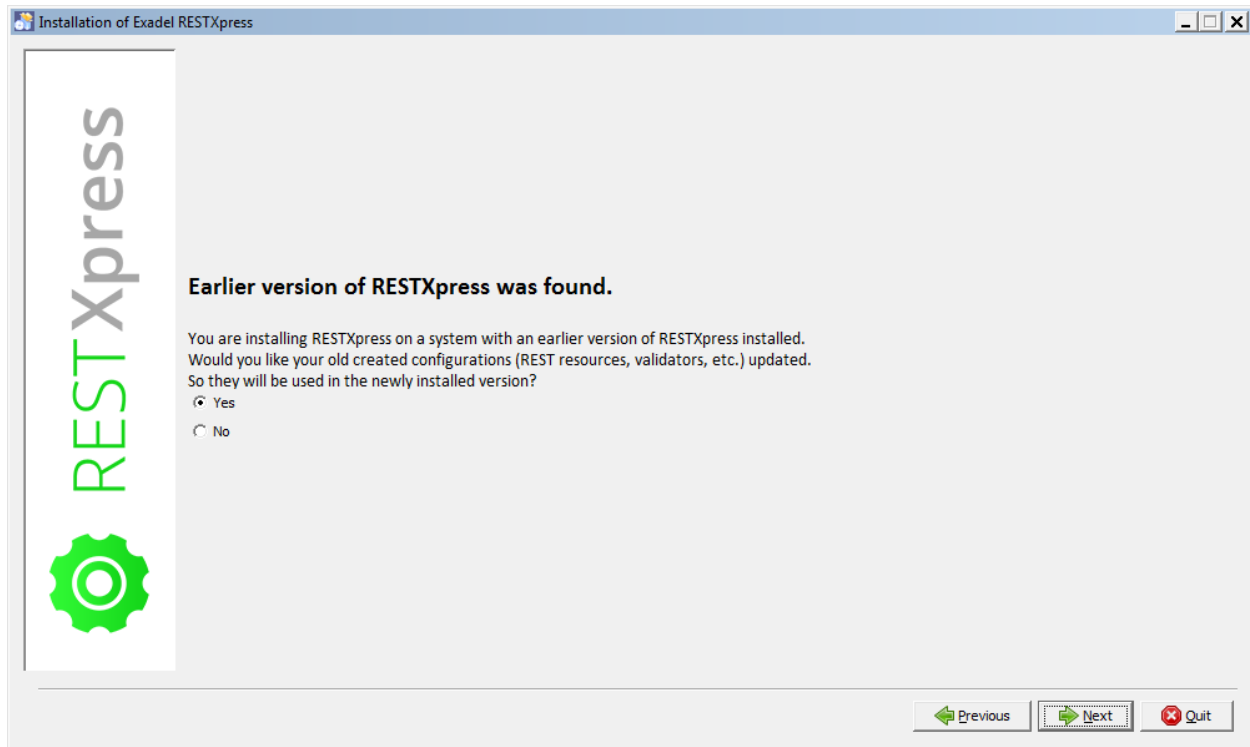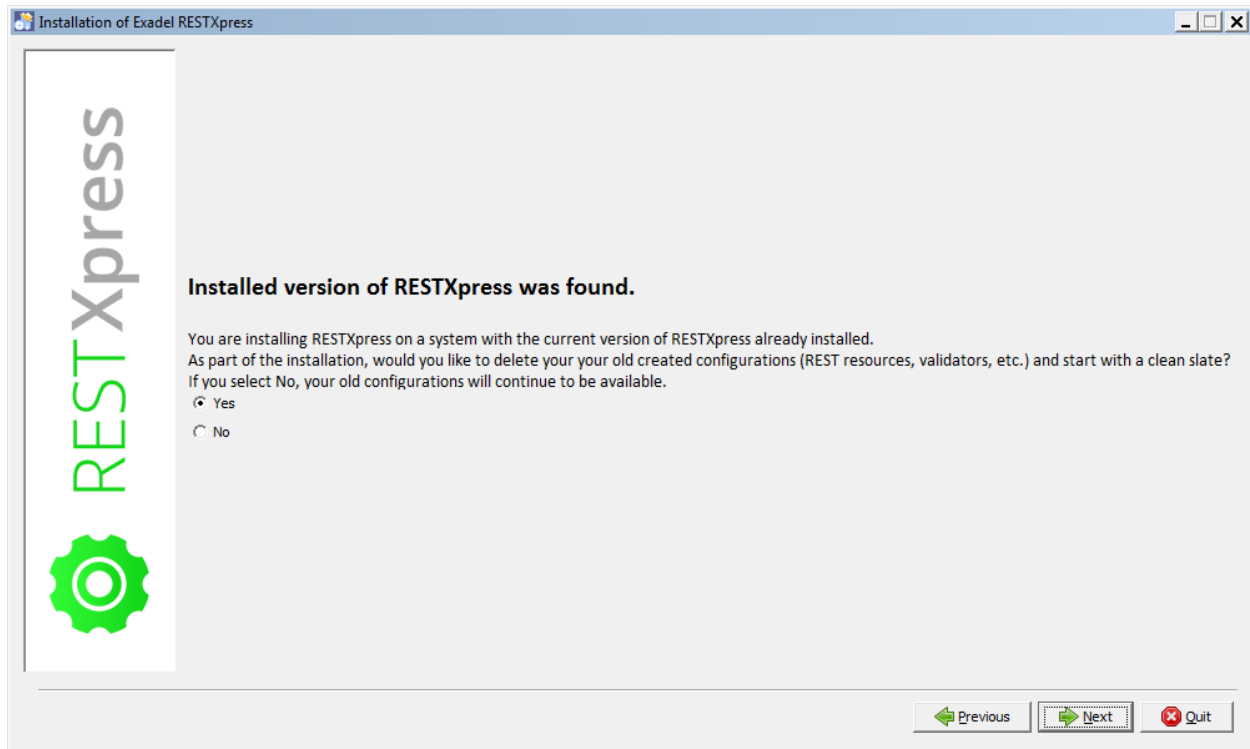

Figure 12 – Window displayed when older version of RESTXpress found

   If you have the current version of RESTXpress installed, you will be asked if you want to delete your old created configurations (REST resources, validators, etc.) and start with a clean slate. Choosing **No** will keep your old configurations.

Figure 13 – Window displayed when current version of RESTXpress found

After making your selection, in either case, click **Next**.

6. If you had earlier selected the option to install samples, at this point, the installer checks to see if you already have samples from a previous installation. If this is true, it displays a special window; otherwise, this step is skipped. In this window, you will be asked if you want to replace the older samples. Choosing **No** will keep your old samples.
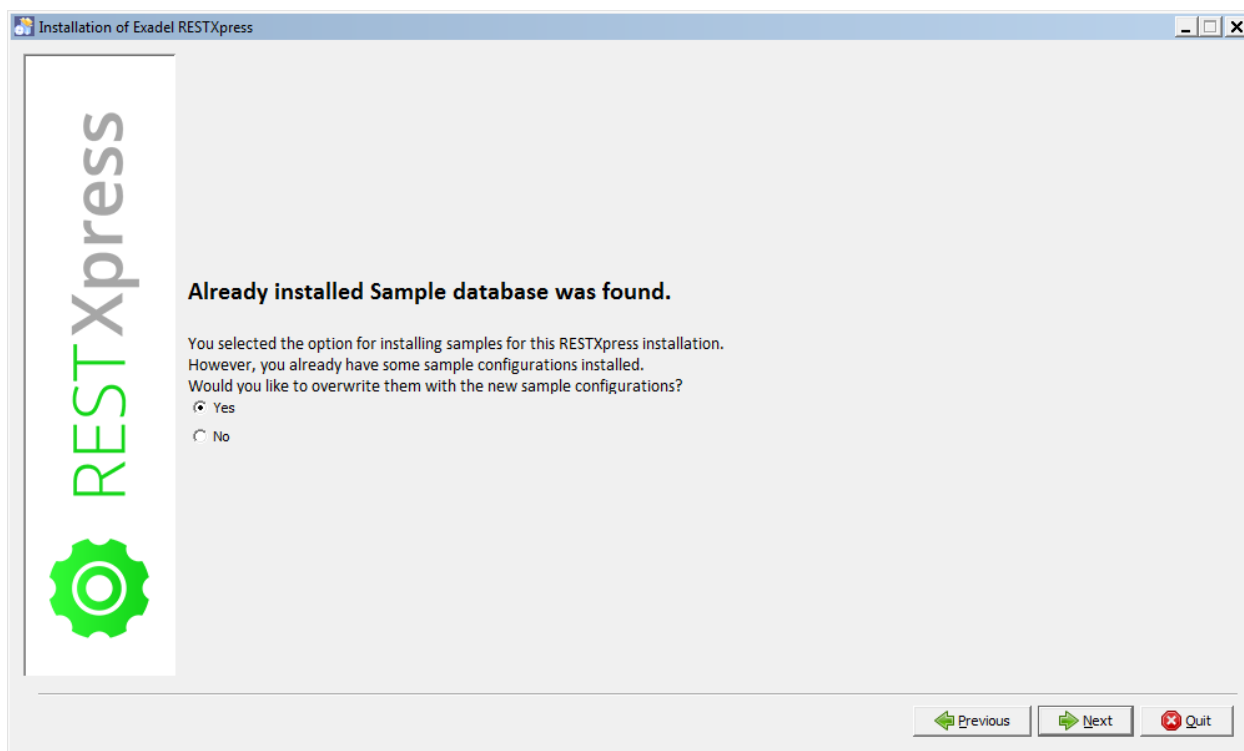

Figure 14 – Window displayed when pre-existing samples are detected

Click **Next.**

7. In the **Selecting Packs** window, check the *.war* files to be copied to your Tomcat webapp directory:

- *RESTXpress engine module*, which contains the engine itself

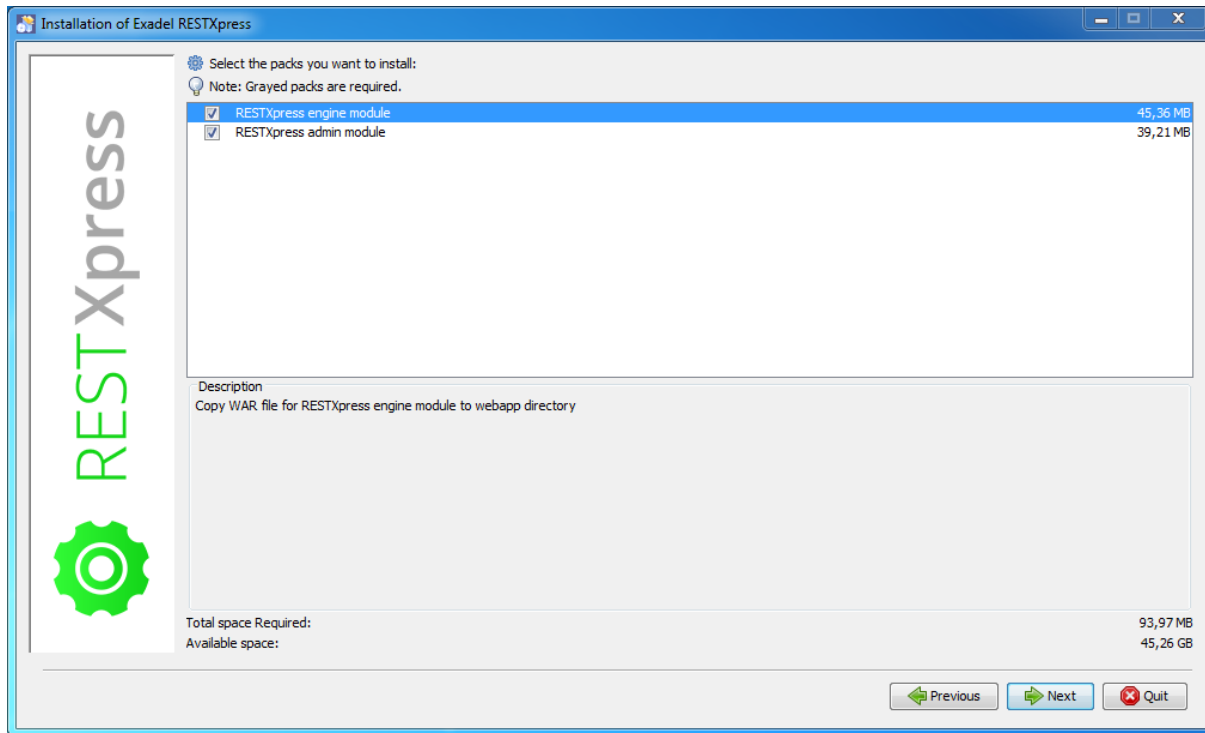- *RESTXpress admin module*, which contains the administrator module

Figure 15 – Selecting Packs window

Click **Next.**

8. In the **Verification** window, check the following data:

- Application server location

- Configuration folder

- Infinispan port

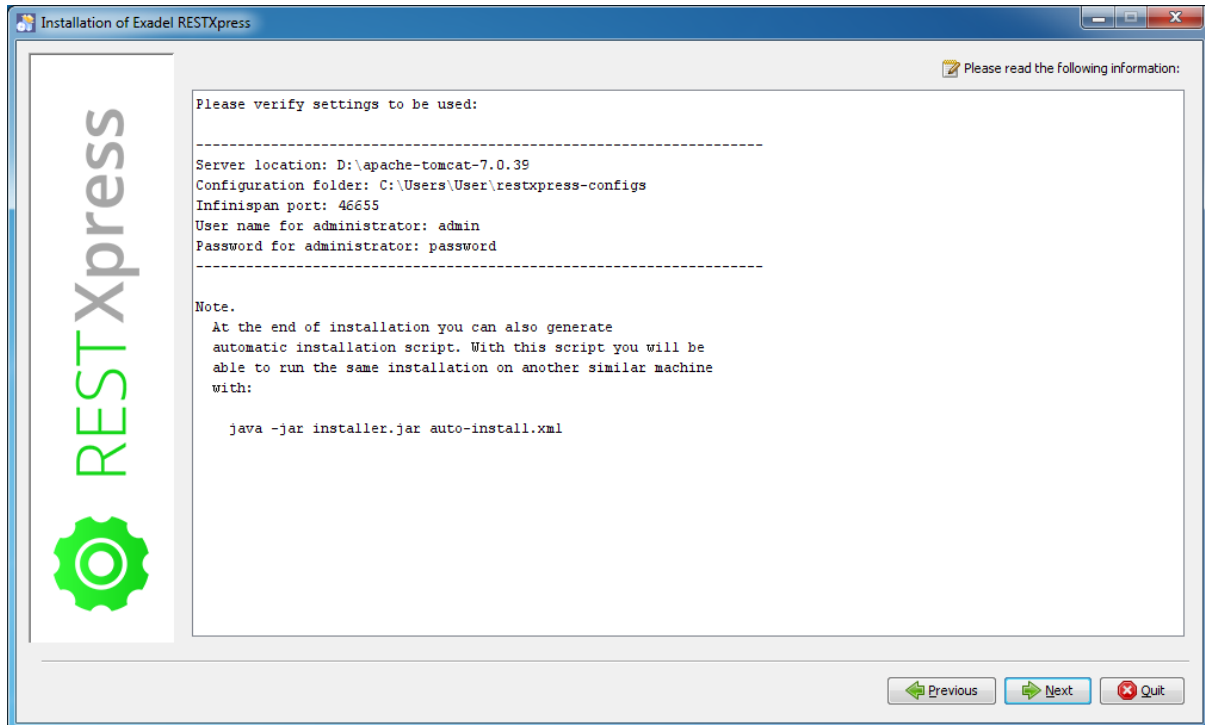- User name for administrator

- Password for administrator

Figure 16 – Verification window

Click **Next.**

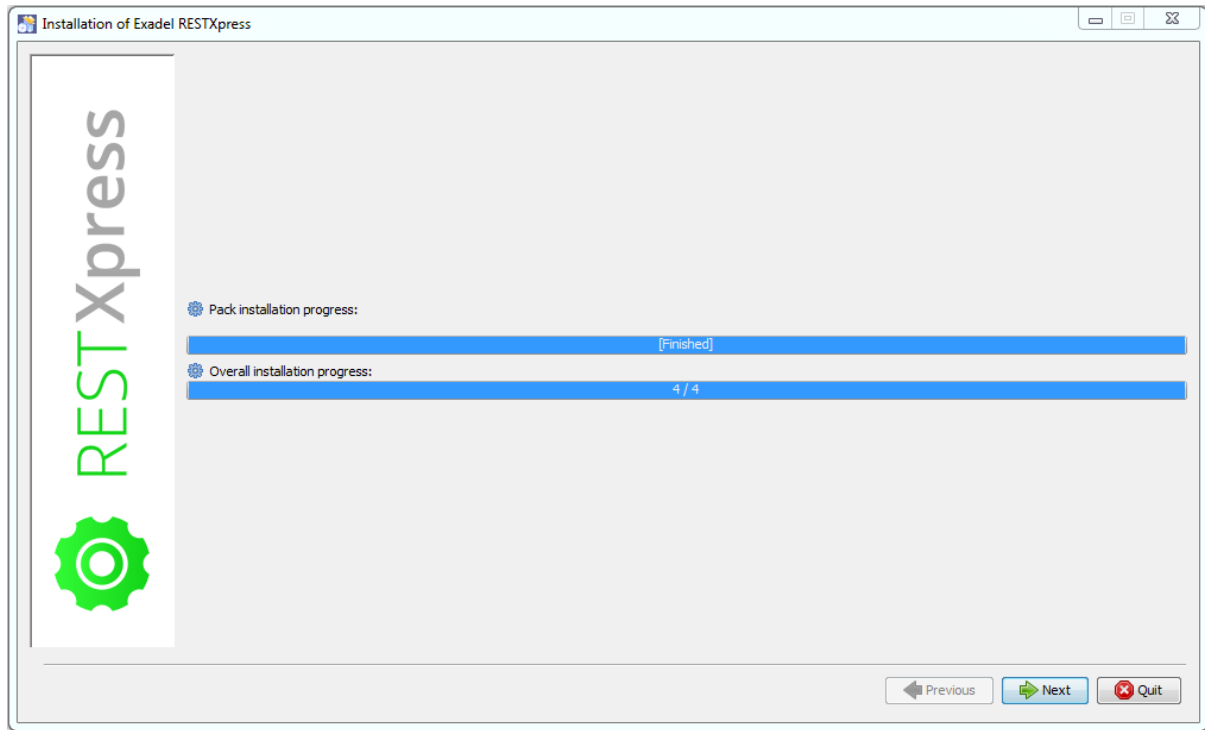9. Wait until the installation process completes.

Figure 17 – Installation Progress window

Click **Next.**

10. In the **Installation Complete** window, you can:

  - Find the location where the uninstaller program has been created

  - Generate an automatic location script in XML format which enables you to run the same installation on another similar machine with the *java -jar installer.jar auto-install.xml* command
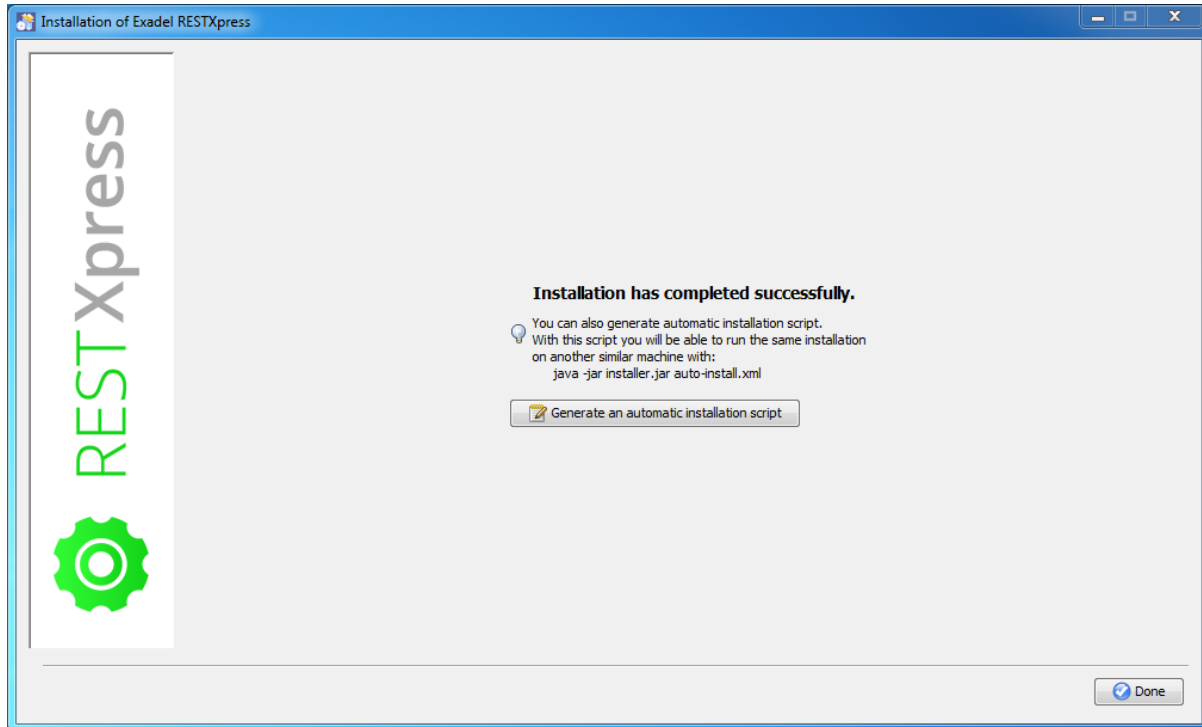

Figure 18 – Installation Complete window

  Click **Done** to exit the installer.

11. After the installer exits, the *RESTXpress: Request for Trial License* page will be opened in your browser. On this page you can either request a trial license or a paid license.