Installation Guide

Version 3.1

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Table of Contents

Introduction	3
Initial Steps	3
Case 1: Continuing with Default Settings	7
Case 2: Continuing with Custom Settings	12

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

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.

Installation of Exadel	RESTXpress	3
	Please read the following license agreement carefully:	
6	Exadel, Inc. Right to Use Software License	
N N	RESTXpress	=
U U	Terms of use:	
STXpr	This agreement ("Agreement") sets forth the terms and conditions applicable to your use of downloaded software, related documentation, and any and all derivatives thereof obtained from Exadel, Inc., a California corporation ("Exadel") described as: design time tool and run time module simplifying access to data sources via REST services, all of which is collectively referred to in this Agreement as the "Software". Subject to this Agreement, Exadel hereby grants to you a limited, revocable, free, non-exclusive, non-transferable, and non-sublicenseable license to use the Software. Your downloading or use of the Software constitutes your acceptance of said license of the Software from Exadel on the terms and conditions set forth in this Agreement. If you do not agree to the terms and conditions of this Agreement, do not download or use the Software.	
RE RE	Your right to use the Software is limited. You shall not (i) reverse compile, reverse engineer, disassemble, unobfuscate, reformat, or otherwise attempt to read or make readable the object code or source code (or the underlying ideas, algorithms, structure or organization) of the Software, in whole or in part; (ii) modify the Software or create any derivative work based on the Software; (iii) rent, lease, sell, sublicense, grant a security interest in, or otherwise transfer any rights in the Software; (iv) remove or alter any marks or proprietary notices or labels contained in the Software; (v) use the Software in any manner that violates this Agreement or any intellectual property or privacy rights of any other party; (vi) use the Software in any manner that violates any applicable international, federal, state or local law or regulation; or (vii) permit the use of or access to the Software by any third parties.	*
	 I accept the terms of this license agreement. I do not accept the terms of this license agreement. 	
	Previous Next Quit	

Figure 2 – License Agreement window

- 4. In this window, you can select an application server. Choose one:
 - Tomcat
 - JBoss
 - Other

Installation of Exadel RE	STXpress	
Sand XIX Sand XIX San	Application Server Select your application server: Tomcat JBoss Other	
	🔶 Previous 🔒 📦	ct 🔀 Quit

Figure 3 – Application Server window

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

Installation of Exadel	RESTXpress	_ □	x
S Installation of Exadel	Tomcat Location Install RESTXpress with new Tomcat 7.0 instance Specify folder where new Tomcat server will be installed: Browse	-	×
RESTX	Specify if we can use default installation settings:		
	 Indude Not indude 		
	Previous Next) 🙁 Q	uit

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

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.

Installation of Exadel	RESTXpress _ X
C RESTXpress	Installed version of RESTXpress was found. You are installing RESTXpress on a system with the current version of RESTXpress already installed. As part of the installation, would you like to delete your your old created configurations (REST resources, validators, etc.) and start with a clean slate? If you select No, your old configurations will continue to be available. © Yes C No
	Previous Quit

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

- 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.

Installation of Ex	adel RESTXpress			X
	Custom Settin	gs		
S				
es S	Infinispan port:	46655		
L L	User name for administrator	admin		
d d	Password for administrator: Retype Password:	•••••		
	Use LDAP authen	tication		
N II	Base DN:	idap://	• •	
Ш	User Search Filter: Group Search Base:	(uid={0})		
	Group Search Filter:	(uniqueMember={0})		
			Previous 😜	Vext 😢 Quit

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.

Installation of Exadel	LESTXpress
ω.	Configuration Folder
TXpres	Specify folder where RESTXpress configuration will be stored: C:\Users\Mike/restxpress-configs Use classpath instead specified path in configuration files.
RES	
	Previous 👘 Next 🔯 Quit

You also just select "Use classpath..." instead.

Figure 11 – Configuration Folder window

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.

Installation of Exade	l RESTXpress
C REST Xpress	Installed version of RESTXpress was found. You are installing RESTXpress on a system with the current version of RESTXpress already installed. As part of the installation, would you like to delete your your old created configurations (REST resources, validators, etc.) and start with a clean slate? If you select No, your old configurations will continue to be available.
	Previous Next Quit

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

- 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

Installation of Exade	I RESTXpress	_ _ ×
	Belect the packs you want to install: Q Note: Grayed packs are required.	
oress	RESTXpress engine module Image: RESTXpress admin module	45,36 MB 39,21 MB
RESTX	Description Copy WAR file for RESTXpress engine module to webapp directory	
Ø	Total space Required: Available space:	93,97 MB 45,26 GB
	Previous 📦 Nex	t Quit

Figure 15 – Selecting Packs window

- 8. In the **Verification** window, check the following data:
 - Application server location
 - Configuration folder
 - Infinispan port
 - User name for administrator
 - Password for administrator

Installation of Exadel	RESTXpress	
		Please read the following information:
S	Please verify settings to be used:	
ores	Server location: D:\apache-tomcat-7.0.39 Configuration folder: C:\Users\User\restxpress-configs Infinispan port: 46655 User name for administrator: admin Password for administrator: password	
RESTX	Note. At the end of installation you can also generate automatic installation script. With this script you will be able to run the same installation on another similar machine with: java -jar installer.jar auto-install.xml	
		🔶 Erevious 📦 Next 🙆 Quit

Figure 16 – Verification window

9. Wait until the installation process completes.

Installation of Exade	RESTXpress		J
Xpress	Pack installation progress:		
	[Finished]		
l in	Overall installation progress: 4/4		
К Ш Ш			
Ø			
	Previous 🔶 Net	<t quit<="" td=""><td></td></t>	

Figure 17 – Installation Progress window

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.