# 5 - Installing LexEVS 5.x Grid Services

#### **Contents of this Page**

- Introduction
- Preliminary Considerations
- Downloading and Installing the LexEVS Data or Analytical Grid Services
- Testing the LexEVS Grid Services
- Troubleshooting

#### Introduction

This document is a section of the Installation Guide.

This section provides requirements, instructions, and troubleshooting information for installing LexEVS Grid Services.

### **Preliminary Considerations**

- The LexEVS 5.x Supported Platforms are the same for this environment as they are for the Local Runtime and the Remote API.
- Before installing the LexEVS Grid Services environment you must have both a LexEVS Local Runtime installed and a LexEVS Remote API working.
- Just like the Remote API install, it is not required that you load a terminology into the Local Runtime in order to complete the installation of the Grid Services environment. However, the Grid services are not very useful if they have nothing in the underlying Local Runtime to query against.
- This environment currently has no additional Prerequisite Software beyond that of the the Remote API.
- Complete the #Downloading and Installing the LexEVS Data or Analytical Grid Services steps below.

Once you have completed the Grid Services environment install steps and the verification test as described in this guide then you should be ready to start using the Grid Services features to meet the needs of your application. Not counting prerequisite software products the installation and verification should not take more than 30 minutes.

# Downloading and Installing the LexEVS Data or Analytical Grid Services

Step			Action
1. Download the latest version of the LexEVS Analytical or Data Services ZIP file from the right. You have a choice between ZIP files tailored for JBoss or Apache Tomcat installations. The location you have chosen to save this on your computer will be referred to as the SAVE_DIRECTORY. Our command examples will use scratch as this directory.		bad the latest version of the LexEVS I or Data Services ZIP file from the right. You ioice between ZIP files tailored for JBoss or omcat installations. The location you have a save this on your computer will be referred SAVE_DIRECTORY. Our command will use scratch as this directory.	LexEVS caGrid Analytical Services     Includes caGrid Analytical Services working in terms of the LexGrid model and LexEVS API. These can be deployed to an Apache     Tomcat or JBoss container. Each ZIP file contains a wsrf.war file.     LexEVS_1_caGRIDServices_analytical_tomcat.zip     LexEVS_51_caGRIDServices_analytical_jboss.zip     LexEVS_caGrid Data Services     Includes caGrid Data Services working in terms of the LexGrid model and LexEVS API. These can be deployed to an Apache Tomcat
	0	Note	or JBoss container. Each ZIP file contains a <i>wsrf.war</i> file. LexEVS_51_caGRIDServices_data_tomcat.zip LexEVS_51_caGRIDServices_data_jboss.zip
		Access to the downloads does not require an account. If you are having trouble downloading files then you may need to disable pop-up blockers or check any firewall settings at your site.	LexEVS caGrid GUI Provides a traditional graphical user interface that provides access to basic browse and query functions provided by LexEVS caGrid Services. LexEVS_50_caGridGUI.zip



5. Unzip the wsrf.war file to the wsrf.war			
directory.	Сору		X
Windows: From:	Copy to:	μ <del>ζ</del>	
To: c:\jboss-4.0.5.	C:\jboss-5.1.0.GA\server\defau	It\deploy\wsrf.war\ 🗸 🔽	ר
GA\server\default\deploy\wsrf.war • Unix: From:/scratch/wsrf.war To:/jboss-4.0.5.GA/server/default /deploy\wsrf.war Windows does not see WAR files as compressed files, therefore you must obtain an unzip utility such as 7-zip or WinZip. In Unix			-
	Folders: 3 (43 324 046 bytes )		
	C:\scratch\LexEVS 6.0 Analytic	al Services\wsrf.war\	
	META-INF\ share\		
you should be able to use the unzip command.	WEB-INF\		
			5
6. Download LexEVS_51_client.zip from the right. This is from the client for a Remote API install.	LexEVS Remote API Client Enables Java programs to establish a cor LexEVS_51_client.zip	nection to an already-deployed LexEVS Remote API node.	
	LexEVS Remote API Client 3rd Party d	ependencies	
	lexevsapi51-client-dependencies.zip	EVS Remote API Client.	
7. Unzip LexEVS_51_client.zip to the SAVE_DIR ECTORY.	Extraction Wizard		
	Select a Destination Files inside the ZIP a choose.	rchive will be extracted to the location you	
		Select a folder to extract files to	
		Cites will be extracted to this direction.	
		L:\scratch\LexEVS-6.0 Analytical Services	
		Browse	
		Password	
		1 dssword	
	3	Extracting	
		<pre> Back Next &gt; Cancel</pre>	







# Testing the LexEVS Grid Services

1. Start your application or servlet container if it is not already started. The start command will be web server specific. See the documentation for your web server for information on how to do this.	🖾 Command Prompt - run.bat -c default
	C:\jboss-5-1.0.GA\bin>run.bat -c default
JBoss example:	JBoss Bootstrap Environment
Windows:	JBOSS_HOME: C:\jboss-5.1.0.GA\bin\\
Run.bat -c default • Unix:	JAVA: c:\jdk1.6.0_20\bin\java
./Run.sh -c default	JAVA_OPTS: -Dprogram.name=run.bat -server -Xms128m -Xmx512m -Dsun.rmi.dgc.cli ent.gcInterval=3600000 -Dsun.rmi.dgc.server.gcInterval=3600000
	CLASSPATH: c:\jdk1.6.0_20\lib\tools.jar;C:\jboss-5.1.0.GA\bin\\run.jar
	16:57:42,301 INFO [Server] Starting JBoss (MX MicroKernel) 16:57:42,301 INFO [Server] Release ID: JBoss [Zion] 5.1.0.GA (build: CUSTag=Bra nch_4_0 date=200610162339)
	16:57:42,301 INFO [Server] Home Dir: C:\jboss-5.1.0.GA 16:57:42.301 INFO [Server] Home URL: file:/C:/jboss-5.1.0.GA/
	16:57:42,301 INFO [Server] Patch URL: null 16:57:42,316 INFO [Server] Server Name: default
	16:57:42,316 INFO [Server] Server Home Dir: C:\jboss-5.1.0.GA\server\default 16:57:42.316 INFO [Server] Server Home URL: file:/C:/jboss-5.1.0.GA/server/defa
	ult/ 16:57:42,316 INFO [Server] Server Log Dir: Cr-tboss-5-1.0.GA\server\default\log_1



If you see the typical Axis service message then you have successfully installed the LexEVS Grid Service. **Congratulations**!

# Troubleshooting

Deployment errors may occur if all instances of references in the application-config-client.xml are not correctly configured with the web address of a Remote API install.