

6 - Installing LexEVS 6.x CTS2 Services

Contents of this Page

- [Prerequisites](#)
- [Build the LexEVS Service Plugin \(Optional\)](#)
- [OSGI type installation](#)
- [Non-OSGI type installation](#)

LexEVS 6.x Installation Links

- [Install Guide Main Page](#)
 - [Overview](#)
 - [Prerequisites and Platforms](#)
 - [Local Runtime](#)
 - [Local Runtime Command Line](#)
 - [Distributed](#)
 - [CTS2 Services](#)
 - [URI Resolver Service](#)
- [LexEVS 6.0 Main Page](#)
- [LexEVS Current Release](#)

Prerequisites are dependent upon the type of installation. This service has two basic kinds of installations, OSG and non-OSG.

Prerequisites

- Installation of [LexEVS Runtime](#) and if desired the [LexEVS Remote API](#) and all dependencies
- Web application container for Non-OSGI installation
- If building the LexEVS Plugin the following are required:
 - Git 2.9.x
 - Maven 3.3.x
 - Java 1.8.x

Build the LexEVS Service Plugin (Optional)

See below for the pre-built plugin, Otherwise run

```
git clone https://github.com/cts2/lexevs-service.git
```

Change the directory to the lexevs-service.

```
cd lexevs-service
```

Change to the appropriate branch:

6.1 branch:

```
git checkout tags/qa_v6.1.rc8.05.2013
```

6.2 branch:

```
git checkout tags/v1.3.0.FINAL
```

6.3 branch:

```
git checkout tags/v1.4.0.FINAL
```

6.4 branch:

```
git checkout tags/1.5.0.FINAL
```

6.4.1 branch

Prior to building 6.4.1 (or later), the MAVEN_OPTS variable will need to be set as described here: [LexEVS Nexus Migration to NCI](#)

```
git checkout tags/1.5.1.2.FINAL
```

6.5 branch:

```
git checkout tags/1.6.0.FINAL
```

Build the plugin.

```
mvn clean install
```

The resulting plugin will be found in the lexevs-service/target directory.

OSGI type installation

This kind of installation provides a quick way to set up a REST service and can be done against an existing installation of the LexEVS Remote API, such as that hosted by the National Cancer Institute.

- Download the [CTS2 Framework Standalone Server](#) 
- Install and start the server: <http://informatics.mayo.edu/cts2/framework/installation/> 
- Download the following java jars to be installed as plugins:
 - [CGLIB](#) 
 - [AspectJ Runtime](#) 
 - [AspectJ Weaver](#) 
 - [LexEVS Service Plugin](#) 
- Install each as detailed in [Installing a Service Plugin](#) 



Exception for the LexEVS Service Plugin

Follow the same steps for the LexEVS Service, except leave the Start Bundle box unchecked.

- After the plugin has been installed, navigate to the Configuration tab of the Admin Console.

CTS2 Development Framework Web Console Configuration

Bundles **Configuration** Configuration Status Deployment Packages Events Licenses Log Service
OSGI Repository Services Shell System Information



Configuration Admin Service is running.

Configurations		
Name	Bundle	Actions
Apache Felix OSGi Management Console	-	  
Apache Felix Web Console Event Plugin	-	  
LexEVS Plugin	LexEVS Service Plugin	  

LexEVS Plugin

LexEVS Plugin

LexEVS Remote API URL

LG_CONFIG_FILE

Use Remote API ☒

UriResolutionService URL

Configuration Information

Persistent Identity (PID) edu.mayo.cts2.framework.plugin.service.lexevs

Configuration Binding LexEVS Service Plugin (edu.mayo.cts2.framework.lexevs-service), Version 0.1.0.SNAPSHOT

Save

Reset

Abort

- Verify the configuration information is correct. It is set up to use the NCI 6.0 Remote LexEVS Service.

CTS2 Development Framework Web Console Bundles



Bundles Configuration Configuration Status Deployment Packages Events Licenses Log Service OSGi Repository Services Shell System Information

Bundle information: 33 bundles in total, 32 bundles active, 1 active fragments, 0 bundles resolved, 0 bundles installed.

x Apply Filter		Filter All		Reload	Install/Update...	Refresh Packages
Id	Name	Version	Category	Status	Actions	
0	System Bundle (org.apache.felix.framework)	3.0.2		Active		
1	AOP Alliance API (com.springsource.org.aopalliance)	1.0.0		Active	  	
3	Apache Felix Bundle Repository (org.apache.felix.bundlerepository)	1.6.6		Active	  	
4	Apache Felix Configuration Admin Service (org.apache.felix.configadmin)	1.2.8	osgi	Active	  	
5	Apache Felix Http Bridge (org.apache.felix.http.bridge)	2.0.2		Active	  	
6	Apache Felix Log Service (org.apache.felix.log)	1.0.1		Active	  	
7	Apache Felix Metatype Service (org.apache.felix.metatype)	1.0.4	osgi	Active	  	
9	Apache Felix Web Console Event Plugin (org.apache.felix.webconsole.plugins.event)	1.0.2		Active	  	
8	Apache Felix Web Management Console (org.apache.felix.webconsole)	3.1.8		Active	  	
27	Apache Velocity (com.atlassian.bundles.velocity)	1.6.2.1		Active	  	
48	AspectJ Runtime (com.springsource.org.aspectj.runtime)	1.7.1.RELEASE		Active	  	
49	AspectJ Weaver (com.springsource.org.aspectj.weaver)	1.7.1.RELEASE		Active	  	
50	CGLIB Code Generation Library (com.springsource.net.sf.cglib)	2.2.0		Active	  	
28	CTS2 Development Framework Web Console Branding (edu.mayo.cts2.framework.webconsole-branding)	1.0.0		Fragment	  	
2	Jcl-over-slf4j (jcl.over.slf4j)	1.5.8		Active	  	
55	LexEVS Service Plugin (edu.mayo.cts2.framework.lexevs-service)	0.1.0.SNAPSHOT		Resolved	  	
10	OSGi R4 Compendium Bundle (org.osgi.compendium)	4.1.0	osgi	Active	  	
11	Spring AOP (org.springframework.aop)	3.1.0.RELEASE		Active	  	

Non-OSGI type installation

This type of installation is more customizable and allows deployment to your own web container. Instructions are available on the [CTS2 Github page](#) 