

KELP Compiling and Installation - NetBeans

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Chapter 1. Instructions

To compile and install KELP in NetBeans 3.3.1, 3.3.2, 3.4 and 3.4.1 there have to be done:

- Compile and create Toolbox archive file toolbox.jar,
- Compile AddinCore files and
- Compile and create KelpAddinForte archive file KelpAddinForte.jar.
- Implementing KELP in NetBeans

Chapter 2. Building Kelp classes using JBuilder

Compiling and creating Toolbox archive file

In <Kelp source root>\modules\Toolbox directory is Toolbox.jpr project file. Required libraries for compiling Toolbox project are xmlc.jar, xercesImpl.jar and xml-apis.jar. Compile files in this project and build java classes (in \modules\Toolbox\classes directory).

Compile AddinCore files

In <Kelp source root>\modules\AddinCore directory is AddinCore.jpx project file. Required libraries for compiling AddinCore project are: xmlc.jar, xercesImpl.jar, xml-apis.jar and toolbox.jar.

Compiling and creating KelpAddinForte archive file

In <Kelp source root>\modules\AddinForte directory is AddinForte.jpx project file. Required libraries for compiling AddinForte project are: xmlc.jar, toolbox.jar, path to AddinCore output files and NetBeans archive files text.jar, image.jar, java.jar and openide.jar (its location is in <NetBeans root>\modules and <NetBeans root>\lib directory). To create KelpAddinForte archive file you have to rebuild KelpAddinForte.jar file in AddinForte project.

Chapter 3. Building Kelp classes using jakarta-ant

Building of needed Kelp jar files is ant based process. To compile and build jars just start executive files in Kelp source root

```
configure
```

```
make
```

```
or
```

```
./configure
```

```
make
```

(depending on OS - Windows or Linux).

Executive file configure (.bat on Windows) configures kelp.properties file (and makes Makefile on Linux). For more detail just type

```
configure -help
```

You will then get more detailed informations about configure options.

For more infomations on (ant based) building options just type

```
make help
```

You will then get more detailed informations about make options.

Chapter 4. Implementing KELP in NetBeans

Preparing jar archives

Follow the steps below if the add-in does not appear to be functioning properly after using the installer, or if you want to install add-in manually. Note that when manually configuring NetBeans, you will be modifying your existing configuration files instead of using the Kelp provided installer.

Setup the IDE class path.

Add the `toolbox.jar` and `enhydra.jar` to your IDE class path. NetBeans includes a configuration file that you can use to add jars to the IDE class path. With NetBeans closed, edit the `ide.cfg` to add `toolbox.jar` and `enhydra.jar` into the IDE class path. Be careful not to add the `KelpAddinForte.jar` file to the IDE class path.

Modify `ide.cfg` and `ide.policy` as shown:

`ide.cfg`: Add statement

```
-cp:p C:\Enhydra5.1\lib\build\toolbox.jar;C:\Enhydra5.1\lib\enhydra.jar;C:\Enhydra5.1\lib\
C:\Enhydra5.1\lib\xercesImpl.jar;C:\Enhydra5.1\lib\xml-apis.jar;
C:\Enhydra5.1\lib\gnu-regexp.jar;C:\Enhydra5.1\lib\xhtml.jar;C:\Enhydra5.1\lib\dom\xmlc-wm
C:\Enhydra5.1\lib\dom\xmlc-voicexml.jar;C:\Enhydra5.1\lib\dom\xmlc-ctml.jar;
C:\Enhydra5.1\lib\tomcat.jar;C:\Enhydra5.1\lib\core.jar;C:\Enhydra5.1\build\log4j.jar;
C:\Enhydra5.1\dods\lib\ejen.jar;C:\Enhydra5.1\dods\lib\dods.jar;C:\Enhydra5.1\dods\lib\dod
at the end of the line with NetBeans startup options (usually first and only line).
```

`ide.policy`: Add statement

```
grant {
permission java.security.AllPermission;
};
```

at the beginning of the file.

Copy the `KelpAddinForte.jar` file to the `/modules` directory.

NetBeans automatically load jars from the `modules` directory using a separate class loader than is used for the IDE

class path. Modules will not function properly if added to the IDE class path directly through the IDE configuration file.

Chapter 5. Using already developed applications

New Kelp 5.1 is compatible with old one and can be used instantly, only needed action is to set class paths properly, because of change in file structure of Enhydra Server 5.1 (see Enhydra 5.1 documentation for details).