

# Installing from source

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## 1. Overview

## 2. Instructions

1. Follow the [general instructions](#) to prepare for installation from source.
2. Check out the 0.9 release of the elements module library from [ModuleForge](#) into the source directory under CTIER\_ROOT. For example:

```
$ svn co  
https://moduleforge.svn.sourceforge.net/svnroot/moduleforge/tags/elements/0.9  
~/ctier/src/elements  
.  
. .  
Checked out revision 133.
```

3. [Add a new project](#) (example: headlines) to [Workbench](#) or choose an existing project.
4. Create the Antdepo depot for the project (if necessary). Example:

```
$ depot-setup -p headlines -a create  
.  
. .  
Calling Get-Properties from the Managed-Entity module for node:  
localhost
```

5. Create a ProjectBuilder object to manage packaging the Elements library's modules. For example:

```
$ ad -p headlines -t ProjectBuilder -o elements -c Register -- -basedir  
${CTIER_ROOT}/src/elements/modules -installroot  
${CTIER_ROOT}/src/elements -install -description "Elements module  
library builder"  
.  
. .  
For more information about this object run: ad -p headlines -t  
ProjectBuilder -o elements -c Get-Properties -- -print  
[command.timer.Deployment.Register: 5.012 sec]
```

6. Build the Elements module library from source.

```
$ ad -p headlines -t ProjectBuilder -o elements -c build-library --  
-name elements  
.  
. .  
Building jar: ~/ctier/src/elements/elements-seed.jar  
[command.timer.build-library: 10.253 sec]
```

7. Run the Ant build file from the Headlines demonstration source directory to setup the installed files and directories:

**Note:**

It is possible to override the "ctier\_root" property on the Ant build command line to provide a value other than the default of the CTIER\_ROOT environment variable. This is useful for creating a minimal "skeleton" hierarchy suitable for release using the "package" target.

```
$ pwd  
~/ctier/src/elements/demo/headlines  
$ ant dist  
Buildfile: build.xml  
  
dist:  
      [echo] Installing headlines directories and files into "~/ctier"  
...  
      [copy] Copying 1 file to ~/ctier/demo/headlines/data  
      [copy] Copying 1 file to ~/ctier/demo/headlines/objects  
      [copy] Copying 48 files to ~/ctier/demo/headlines/cvs  
  
BUILD SUCCESSFUL  
Total time: 0 seconds
```

8. Load the seed jar using ProjectBuilder by giving the following command:

**Note:**

You must give the full path to the file elements-seed.jar.

```
ad -p headlines -t ProjectBuilder -o elements -c load-library -- -jar  
elements-seed.jar
```

9. Populate the project with the Headlines demonstration's sample objects using the provided Project XML file. For example:

```
$ ad -p headlines -t ProjectBuilder -o elements -c load-objects --  
-format projectxml -filename  
$CTIER_ROOT/demo/headlines/objects/project.xml  
. . .  
Executing batch update ...  
[command.timer.load-objects: 10.715 sec]
```

### 3. Next step ...

- You are now ready for the [Tutorial](#).