# JBake NetBeans Plugin User Guide

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# Introduction

The JBake Project NetBeans plugin is designed to support the JBake WebSite builder.

It currently provides basic Netbeans Project support for a site being built by JBake. This includes:

- Identification of JBake websites - by the presence of a *jbake.properties* file at the root level of the project.
- Capability to run the JBake executable from within Netbeans. This is provided as a project node action.
- Additional executables or scripts may be added to a project node as actions, allowing more commands to be added at the individual project level.

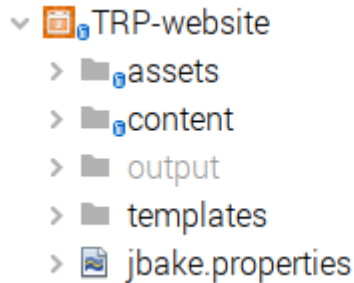No features of JBake are thought to be masked by this plug-in.

**CAUTION**
The predefined project node actions are limited to unix family systems (ie Linix and MacOS). No Windows implementation have yet been completed. This does not stop a user attempting to use the additional CLI actions capability to execute the JBake -b command, but the provided Bake action does not yet work for Windows.
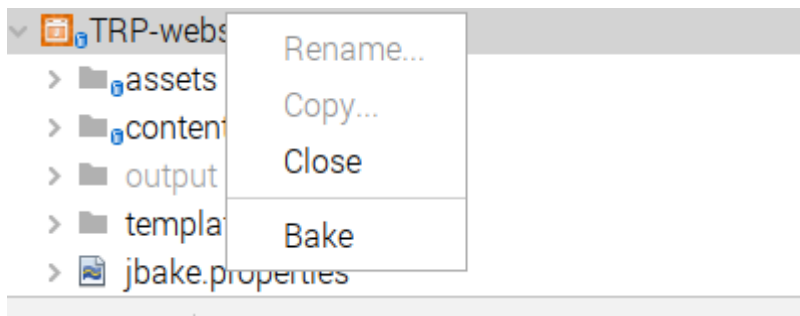
# Examples of the JBake NB-Plugin

## The basic project structure

The basic project structure that is recognised by this plug-in is that generated by *jbake -i*.
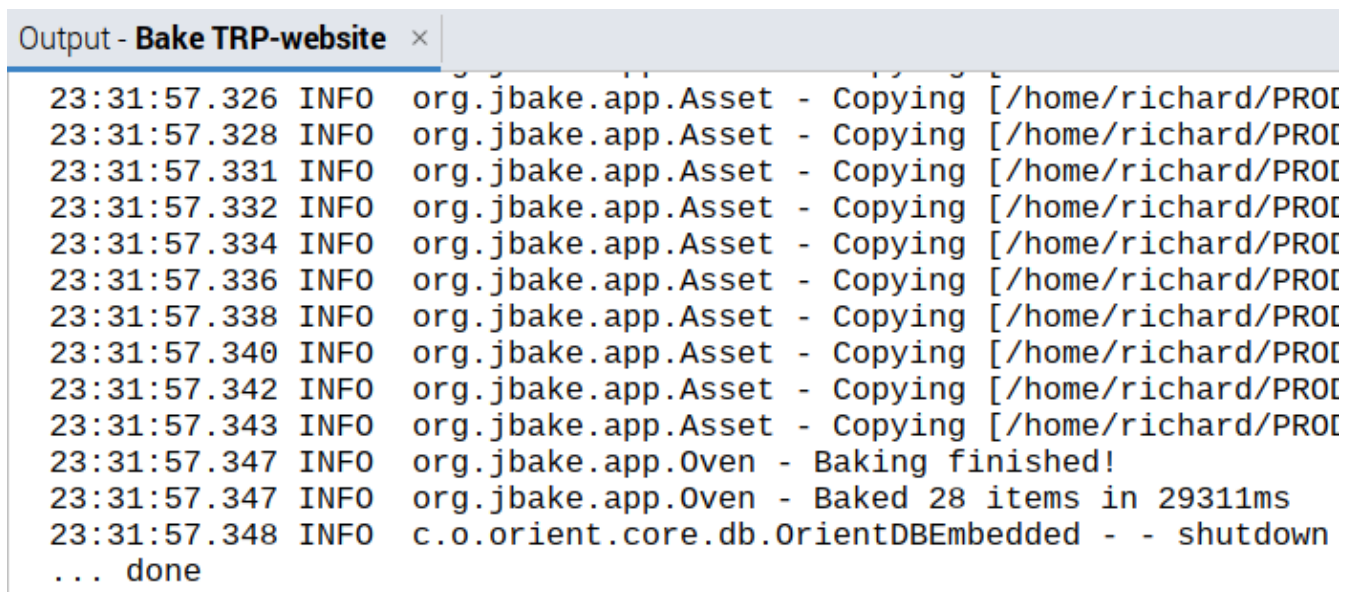


## The basic project nodeactions

The project includes an action to use *jbake -b* command to build the site.



The output of the command is routed to the NetBeans Output Window, while the generated website is created in the *output* folder.

# The project structure with projectactions.properties

The *projectactions.properties* file is used to add further CLI commands to the project action list.
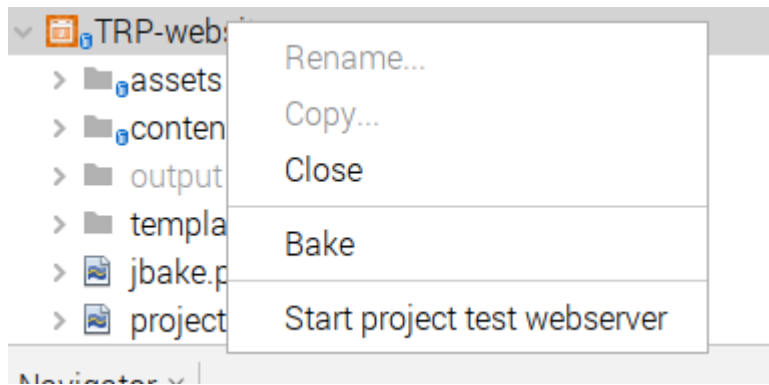
```
v 📙 TRP-website
  > 📁 assets
  > 📁 content
  > 📁 output
  > 📁 templates
  > 📄 jbake.properties
  > 📄 projectactions.properties
```

The projectactions file structue is defined in the ActionsSupport documentation, but a basic example is show here. The file defines an additional action to be added which starts jwebserver (to enable viewing of the generated website).

```
1.label = Start project test webserver
1.command = jwebserver -d "${NODEPATH}/output/"
1.tabname = Test Webserver for TRP-website
1.needscancel = yes
COMMANDCOUNT = 1
```

# The project actions with projectactions.properties

The resulting project actions can be seen below:

```
v 📙 TRP-web┌──────────────────────────────┐
  > 📁 assets │  Rename...                   │
  > 📁 conten │  Copy...                     │
  > 📁 output │  Close                       │
  > 📁 templa ├──────────────────────────────┤
  > 📄 jbake.p│  Bake                        │
  > 📄 project├──────────────────────────────┤
             │  Start project test webserver│
  Navigator ×└──────────────────────────────┘
```

# Utilising the JBake NBM

## Installing the NBM into NetBeans

To be able to use the Plugin it must be downloaded and then installed in Netbeans.

Releases of this product are stored in a Maven repository on GitHub. The NBM can be downloaded from the Package available.

Once you have a downloaded copy on your machine, you follow the standard Netbeans process to install the downloaded file (Tools>Plugins). The ActionsSupport NBM must also be installed with or prior to installing this NBM.

## Links

- Releases are stored in a Packages Maven repository on GitHub
- Source Code is stored in a Git repository on GitHub as part of a monorepro containing NBMs.
- Documentation can be found on the TRP website.
- Documentation source is stored in a Git repository on GitHub as part of a monorepro containing documentation.
- Development Process Guide for The-Retired-Programmer products can be found on the TRP website.