

# RAD Builder Plugin

## Plugin Information

View RAD Builder [on the plugin site](#) for more information.

This plugin allows Jenkins to invoke IBM Rational Application Developer as a build step.

### Tutorial regarding the use of this plugin

For a complete tutorial describing how to use this plugin, refer to the [Enhance continuous integration using Rational Application Developer and the Hudson build server](#) article on [developerWorks](#).

### Introduction to Rational build utility

The nice [guide to the Rational Build Utility](#) details, on [developerWorks](#), how to use the headless feature of Rational Application Developer.

## About this plugin

This plugin is aimed at using the headless capabilities of IBM Rational Application Developer (RAD) 7.0/7.5, which is Ant-based, to build J2EE applications designed with RAD.

This plugin currently supports:

- RAD 7.0 (version 1.x successfully tested with RAD 7.0.0.9 and RAD 7.0.0.10 – should work with other 7.0.0.x versions)
- RAD 7.5 (version 1.x successfully tested with RAD 7.5.3, 7.5.4, 7.5.5, 7.5.5.1, 7.5.5.2 and 7.5.5.3 – should work with other 7.5.x versions)
- RAD build utility (BU) 7.5 (version 1.x successfully tested with BU 7.5.3, 7.5.4, 7.5.5, 7.5.5.1, 7.5.5.2 and 7.5.5.3 – should work with other 7.5.x versions)
- RAD build utility (BU) 8.0 (version 1.1.4 successfully tested with BU 8.0.2 – should work with other 8.0.x version)

BU is the fully headless version of RAD.

## User guide

This plugin works as the built-in Ant builder:

1. The first thing to do is to define RAD/BU installations in Hudson's configuration panel:

## IBM Rational Application Developer 7.0/7.5

RAD installations	Name	<input type="text" value="RAD 7.0"/>
	Installation directory	<input type="text" value="D:\bustools\sdp70"/>
	Name	<input type="text" value="RAD 7.5"/>
	Installation directory	<input type="text" value="D:\bustools\sdp75"/>
	Name	<input type="text" value="BU 7.5.3"/>
	Installation directory	<input type="text" value="D:\bustools\BuildUtility"/>

Add RAD

List of RAD installations on this system

- Once done, corresponding build steps can be added to the project:

### Build

IBM Rational Application Developer 7.0/7.5	
RAD installation	<input type="text" value="BU 7.5.3"/>
Targets	<input type="text" value="say-hello-world"/>
Build file	<input type="text"/>
	Path relative to the workspace of the project
RAD workspace	<input type="text"/>
	Path relative to the workspace of the project
	<input type="checkbox"/> Remove RAD workspace content
	<input checked="" type="checkbox"/> Remove only RAD workspace metadata folder
Properties	<input type="text" value="hello.world=hello"/>

#### About the WORKSPACE environment variable

RAD uses an environment variable called `workspace` to define the RAD workspace to use. It means that there's a "competition" (no matter the case) between this variable and the one defined by Hudson (which refers to the project's workspace). As a consequence, don't use the `WORKSPACE` variable within this build step as it doesn't refer to what's expected.

## Additional documentation

- To get more information on the headless capabilities of RAD 7.0, please refer to the [RAD 7.0 Infocenter](#)
- To get more information on the headless capabilities of RAD 7.5, please refer to the [RAD 7.5 Infocenter](#)
- To get more information on BU 7.5, please refer to the [RAD 7.5 Infocenter](#).
- To get more information on BU 8.0, please refer to the [RAD 8.0 Infocenter](#) too.

## Version history

### Version 2.0 (source code not yet opened)

- Support of WebSphere Message Broker Toolkit

### Version 1.1.4 (03/04/2011)

- Fixed a bug which was preventing to display RAD installations actually used by build steps (the first item in the installations list was always selected)

### Version 1.1.3 (02/20/2011)

- Implemented [JENKINS-8652](#): Build logs are now annotated so that the logs for Ant targets can be accessed faster
- Fixed [JENKINS-8545](#): RAD Builder refused to work if the RAD installation path on a slave node was different than the path on the master node

### Version 1.1.2 (03/27/2010)

- Improved handling of the `WORKSPACE/workspace` environment variable: Now, the plugin sets RAD's workspace using `workspace` (lower case letters) whether it is running on Windows or Linux

### Version 1.1.1 (01/24/2010)

- Bug fix: The "Create `PROJECT_WORKSPACE` variable" option now works fine (previously, this new variable was created at the end of the build step rather than at the beginning)

### Version 1.1 (12/04/2009)

- The "Delete RAD workspace" option is now checked by default
- Bug fix for the `WORKSPACE` environment variable on Windows: RAD/BU expects it to be an absolute path, not a relative one
- Experimental (not yet tested): New "Create `PROJECT_WORKSPACE` variable" option to provide a replacement for the `WORKSPACE` environment variable

### Version 1.0.1 (10/12/2009)

- Bug fix for the `WORKSPACE/workspace` environment variable on Linux
- Switch to the right `groupId` (`org.jvnet.hudson.plugins` rather than `hudson.plugins`)

### Version 1.0 (10/11/2009)

If you use version a RAD or a BU installation on Linux, you need to edit, respectively, `bin/runAnt.sh` or `eclipse/bin/runAnt.sh` to change the `workspace` environment variable to `WORKSPACE`. Otherwise, RAD/BU may fail complaining that no valid workspace has been found (depending on the permissions of the user used to run RAD/BU). This has been fixed in 1.0.1.

- Initial release