

Dynamic Parameter Plug-in

Plugin Information

Distribution of this plugin has been suspended due to unresolved security vulnerabilities, see below.



The current version of this plugin may not be safe to use. Please review the following warnings before use:

- [Arbitrary code execution vulnerability](#)

This plugin allows dynamic generation of default build parameter values.

- [Description](#)
 - [What Does the Plugin Do?](#)
 - [Examples](#)
 - [Current Date and Time](#)
 - [Simple Choice List](#)
- [Version History](#)
 - [0.1.1 \(Apr 03, 2012\)](#)
 - [0.1.0 \(Mar 20, 2012\)](#)

Description

What Does the Plugin Do?

The plugin allows creating a build parameters, which default value(s) are generated by a Groovy script. The Groovy script is executed each time the build is triggered and allows generating default value(s) according to the current build context (e.g. current user-name, current date/time, etc. or more complex Groovy scripts). The Groovy script can be executed either on the master or on the slave where the build is executed. This can be configured from the build configuration page.

The plugin provides two types of parameters: simple text-field parameter and a choice (drop-down) parameter. If the parameter is a text-field, the corresponding Groovy script must return a single string value. If the parameter is a choice parameter, then the script must return a list of string values.

Examples

Current Date and Time

This is a simple example shows how to create a build parameter which has the current date and time. Create a new build job and choose "This build is parameterized". From the "Add Parameter" drop-down menu, choose "Dynamic Parameter".

Project name

Description

Discard Old Builds

This build is parameterized

Add Parameter ▾

- Boolean Value
- Choice
- Dynamic Choice Parameter
- Dynamic Parameter**
- File Parameter
- List Subversion tags
- Password Parameter
- Run Parameter
- String Parameter
- Text Parameter

Disable Build

Execute console output until

Advanced Properties

Source Code Management

CVS

None

Fill in the parameter "Name" and optional "Description". In the field "Default Value Script" write the Groovy script which returns the current date:

Dynamic Parameter

Name

Default Value Script

Remote Script

Description

Note: if the "Remote Script" check-box is checked, then the script will be executed on the slave where the build is started.

Save the current job and click "Build Now". The build configuration page with the current date and time should show up:

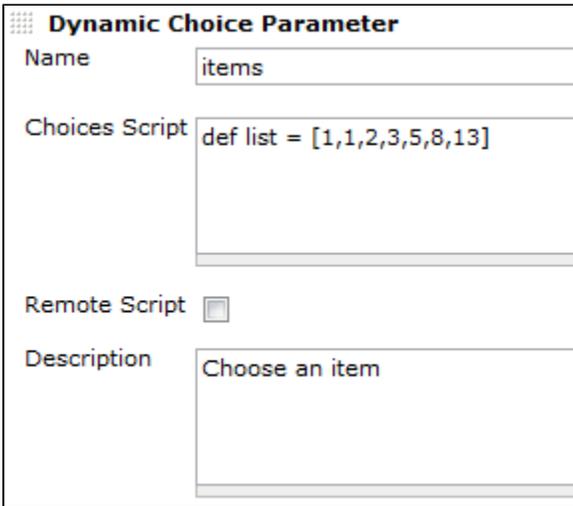
Project test-job

This build requires parameters:

currentDate

Current date

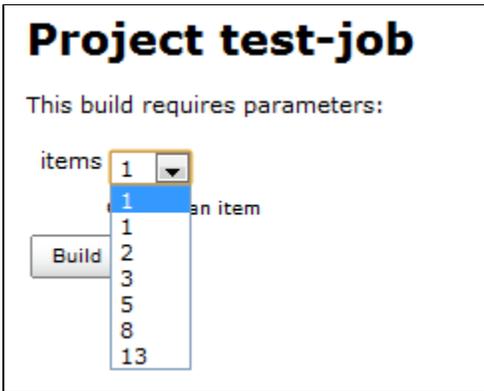
This is a simple example which shows how to create a choice parameter. Similar to the previous example, create a new build job and choose "This build is parameterized". From the "Add Parameter" drop-down menu, choose "Dynamic Choice Parameter". Fill in the parameter "Name" and optional "Description". In the field "Choices Script" write the Groovy script which returns a list with some values:



The screenshot shows the configuration page for a "Dynamic Choice Parameter". The form has the following fields:

- Name:** A text input field containing the value "items".
- Choices Script:** A text area containing the Groovy script `def list = [1,1,2,3,5,8,13]`.
- Remote Script:** A checkbox that is currently unchecked.
- Description:** A text area containing the text "Choose an item".

Save the current job and click "Build Now". The build configuration page with a drop-down to choose from one of the generated values should show up:



The screenshot shows the build configuration page for a job named "Project test-job". It indicates that the build requires parameters. The "items" parameter is shown as a dropdown menu with the value "1" selected. The dropdown list contains the values: 1, 1, 2, 3, 5, 8, and 13. A "Build" button is visible to the left of the dropdown.

Version History

0.1.1 (Apr 03, 2012)

- Safe use of anonymous classes
- Fixes in POM to allow release with maven release plugin

0.1.0 (Mar 20, 2012)

- Initial release