

# DynamicAxis Plugin

## Plugin Information

View Dynamic Axis [on the plugin site](#) for more information.

This plugin allows you to define a matrix build axis that is dynamically populated from an environment variable:

### Configuration Matrix

**Dynamic Axis**

Axis Name  ?

Variable Name  ?

**⚠ Variable not verified, may be available at build time only.**

## Description

Environment variables can be contributed to a build from a number of places, including:

- Build parameters
- Build node configuration
- Jenkins configuration
- System environment

When specifying a variable for an axis only the last category of variables can be validated. This is because Jenkins contributes the other types of variables only at actual build time, thus they are not available at configuration time.

Configuring an axis is otherwise the same as for the User-defined axis option: specify an axis name to be used in your build along with the name of the environment variable to dynamically retrieve the axis values from. The rules for the value of this variable are the same: one or more values separated by a space.

## Examples

Some portable environment variable names include:

- AXES
- PARAM\_LIST
- 4\_BUILD\_CONFIG

The following are all valid values for the contents of the environment variable selected for an axis:



- dev tst sit
- jdk6 jdk7
- deploy\_srv1 deploy\_srv2 deploy\_srv3

## Acknowledgements

Many thanks to Emanuele Zattin for leading the way with the Groovy Axis plugin. And of course to Koshuke, for continuing to expand and improve this excellent platform.

## Change Log

### Version 1.0.3 (7 December 2014)

-  Properly tokenize axis values when the input variable contains quotes ([JENKINS-25660](#))
-  Prevent ConcurrentModificationException on massive matrix runs ([JENKINS-22652](#))

**Version 1.0.2 (29 October 2012)**

- Added fix for synchronization issues, contributed by Nathan Grunzweig

**Version 1.0.1 (13 November 2012)**

- Initial release