

# Matrix Configuration Parameter Plugin

## Plugin Information

View Matrix Configuration Parameter [on the plugin site](#) for more information.

This plugin allows a user to choose which matrix combinations he wants to run, as opposed to the default behaviour where Jenkins runs all combinations:

Using:

After clicking the build, the user gets a HTML table with a checkbox for each matrix combination.

After clicking the submit button, only checked combinations will run.

paramFilter	Configuration Matrix	ALM-DEV-vmAlmInstall	ALM-DEV-vmalminstall2	ALM-DEV-vmalminstall3
	conf1	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	conf2	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	conf3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	conf4	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	conf5	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
	conf6	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Select: [Successful](#) - [Failed](#) - [All](#) - [None](#)

Configuration:

After installation a new type of parameter was added (Matrix Combinations Parameter).

This build is parameterized

**Matrix Combinations Parameter**

Name

Description

- Configure your matrix job and add exactly one parameter with this type.
- Fill the name of the parameter.
- Define the Axes as usual

## Acknowledgements

Many thanks to Nathan Grunzweig for giving me the idea and help with the implementation of this plugin. I would also like to thank Christian Wolfgang, who developed the Matrix Reloaded Plugin which gave me the inspiration to implement it.

# Change Log

## Version 1.3.0 (3 Mar 2018)

- Now targets Jenkins  $\geq$  1.651.3
- FIXED: Exception when building a project with matrix-combinations in Jenkins 2.102+ (JEP-200) ([JENKINS-49573](#))

## Version 1.2.0 (3 Jun 2017)

- Now targets Jenkins  $\geq$  1.532
- FIXED: HTML in description is always escaped ([JENKINS-42902](#))

## Version 1.1.1 (17 Apr 2017)

- Fixed: "By build result" cannot be added (NPE when adding "By build result") ([JENKINS-42626](#))
- Remove the duplicated parameter name display ([JENKINS-39157](#))

## Version 1.1.0 (1 Oct 2016)

- New feature: Configurable shortcut links ([JENKINS-29797](#), [JENKINS-36894](#), [JENKINS-36860](#))
  - You can define shortcut links in the job configuration page:
    - All: Select all combinations
    - None: Deselect all combinations
    - Previous: Select combinations build previously
    - By build result: Select combinations with previous results
    - By combination filter: Select combinations with combinations filter expression
- Support CLI ([JENKINS-25624](#))
  - You can pass a combinations filter expression as the parameter value via CLI.
- Support WebAPI ([JENKINS-37815](#))
  - You can pass a combinations filter expression as the parameter value via WebAPI.
- Refactored HTML implementations (Fixed [JENKINS-30918](#))

## Version 1.0.9 (11 Jul 2015)

- Fixed NPE for running builds ([JENKINS-28824](#))
- Fixed exceptions in parameter pages or rebuild pages for non multi-configuration builds triggered with combinations parameters (in the case triggered with parameterized-trigger-plugin). ([JENKINS-27233](#))

## Version 1.0.8 (28 Apr 2015)

- FIXED: "Successful" and "Failed" links do not work ([JENKINS-23609](#))

## Version 1.0.7 (05 Jul 2014)

- Make it work also on Jenkins  $\geq$  1.561 ([JENKINS-23561](#))
- Avoid NPE when some combinations of matrix is not available ([JENKINS-23030](#))

## Version 1.0.6 (29 Mar 2014)

- Allow to change the combination to rebuild ([JENKINS-21970](#))
- Added a default combination filter ([JENKINS-21971](#))
  - Also this allows work for scheduled builds ([JENKINS-21851](#))

## Version 1.0.5 (17 Feb 2014)

- Support in rebuild

## Version 1.0.4 (24 November 2013)

- No need to fill combinations filter

## Version 1.0.3 (28 July 2013)

- Initial release

## Issues

To report a bug or request an enhancement to this plugin please create a ticket in JIRA (you need to login or to sign up for an account). Also have a look on [How to report an issue](#)

- [Bug report](#)
- [Request or propose an improvement of existing feature](#)

- [Request or propose a new feature](#)

Key	T	P	Summary
JENKINS-60403			Unable to pass values to Matrix Combination Parameter using combination filter
JENKINS-60094			Matrix Configuration Parameter Plugin comes with broken help-links
JENKINS-59700			MatrixCombinationsParameter for scripted pipeline with its checkboxes table and shortcuts(All, failed, none, etc) in "Build with parameters" section
JENKINS-56282			AVD does not launch in Multi config Matrix job
JENKINS-52423			Improve selectivity to not only be available for individual nodes, but make the rows and columns selective, so by selecting an element in a row all different column combinations become selective.
JENKINS-43854			Columns and line headers should be shortcut links
JENKINS-24023			Matrix unformatted

7 issues