

./jcheck/conf

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Introduction

This page documents the JCheck configuration file `.jcheck/conf`. JCheck was originally a Mercurial plugin created for the OpenJDK organization to help keep order in the source repositories. The main features were whitespace checking, commit message formatting and commit hash blacklisting. Skara has taken over this role and has expanded on the functionality of JCheck.

Basics

The Skara version of `.jcheck/conf` is an ini-file. An ini file consists of a number of sections which contain one or more name value pairs. Below is an example of the section `general` with the parameter `project` set to `jdk`.

```
[general]
project=jdk
```

Sections

Below follows a breakdown of each section and the configuration options they support.

general

project	The OpenJDK project that this repository belongs to.
jbs	The project name in the bug tracker.
version	The version to use as <code>fixVersion</code> in the bug tracker when resolving issues.

checks

error	List of checks to apply to this repository/branch that are to be considered errors if they fail.
warning	List of checks to apply to this repository/branch that are to be considered warnings if they fail.

repository

tags	Regex that all tags must match.
branches	Regex that all branch names must match.

census

version	Which version of the census to use (currently 0 for OpenJDK).
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domain	The domain of the census (openjdk.org for OpenJDK).
url	The url of the census XML (defaults to " https://openjdk.org/census.xml ")

Checks

In addition to these main sections, each check can be configured in its own section on the form [checks "name"]. Here follows a list of all currently supported checks and their options.

author

Checks that both the author.name and author.email have values in a commit.

binary

Checks if there are any binary files in a commit.

committer

Checks that the committer of a commit has at least a given role in the census for the project.

role	The minimum role required
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executable

Checks that no files have the executable bit set.

issues

Checks that commit messages for regular commits reference issues in the bug tracker.

pattern	The pattern to match. The first capturing group should contain the bugId.
required	Set to true to require the bugs to exist in the bug tracker

issuestitle

Checks that issue titles in commit messages don't include trailing periods or leading lowercase. Depends on issues check, if issues check is not required, issuestitle check will be ignored.

merge

Checks that commit messages for merge commits match a pattern.

message	The pattern to match.
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message

Checks for formatting issues in commit messages.

problemlists

Checks the contents of Jtreg problem list files.

dirs	List of directories to look for files in. Separated by .
pattern	Regex naming pattern for problem list files.

symlink

Checks that commits do not contain symlinks.

reviewers

Checks that a commit has enough reviewers with the required role. The default is 0 for each role.

lead	How many of the lead role that are required.
reviewers	How many of the reviewer role that are required.
committers	How many of the committer role that are required.
authors	How many of the author role that are required.
contributors	How many of the contributor role that are required.

whitespace

Checks source files for whitespace issues.

files	Regex matching all files that should be included in the whitespace check.
ignore-tabs	Regex matching all files where tabs should be allowed.