Rocky Enterprise Linux 9.2 Manual Pages on command 'containerignore.5'

$ man containerignore.5

.containerignore(28)   Container User Manuals   .containerignore(28)

NAME

.containerignore(.dockerignore) - files to ignore buildah or podman

build context directory

INTRODUCTION

Before container engines build an image, they look for a file named

.containerignore or .dockerignore in the root context directory. If one

of these file exists, the CLI modifies the context to exclude files and

directories that match patterns specified in the file. This avoids

adding them to images using the ADD or COPY instruction.

The CLI interprets the .containerignore or .dockerignore file as a new?

line-separated list of patterns similar to the file globs of Unix

shells. For the purposes of matching, the root of the context is con?

sidered to be both the working and the root directory. For example, the

patterns /foo/bar and foo/bar both exclude a file or directory named

bar in the foo subdirectory of PATH or in the root of the git reposi?

tory located at URL. Neither excludes anything else.

If a line in .containerignore or .dockerignore file starts with # in

column 1, then this line is considered as a comment and is ignored be‑

fore interpreted by the CLI.

EXAMPLES

Here is an example .containerignore file:

    # comment

    /temp

    //temp*

    temp?

This file causes the following build behavior: Rule   Behavior

    # comment   Ignored.

    /temp   Exclude files and directories whose names start with temp in any immediate subdirectory of the root.

    For example, the plain file /somedir/temporary.txt is excluded, as is the directory /somedir/temp.

    //temp*   Exclude files and directories starting with temp from any subdirectory that is two levels below the

    root. For example, /somedir/subdir/temporary.txt is excluded.

      temp?   Exclude files and directories in the root directory whose names are a one-character extension of temp.

For example, /tempa and /tempb are excluded.

    Matching is done using Go?s filepath.Match rules. A preprocessing step

    removes leading and trailing whitespace and eliminates . and .. ele‑

    ments using Go?s filepath.Clean. Lines that are blank after preprocess‑

    ing are ignored.

    Beyond Go?s filepath.Match rules, Docker also supports a special wild‑

    card string ** that matches any number of directories (including zero).

    For example, */.go will exclude all files that end with .go that are

    found in all directories, including the root of the build context.

    Lines starting with ! (exclamation mark) can be used to make exceptions

    to exclusions. The following is an example .containerignore file that

    uses this mechanism:

    *.md

    !README.md

    All markdown files except README.md are excluded from the context.

    The placement of ! exception rules influences the behavior: the last

    line of the .containerignore that matches a particular file determines

    whether it is included or excluded. Consider the following example:

*.md

    !README*.md

    README-secret.md

No markdown files are included in the context except README files other

than README-secret.md.

Now consider this example:

    *.md

    README-secret.md

    !README*.md

All of the README files are included. The middle line has no effect be?

cause !README*.md matches README-secret.md and comes last.

You can even use the .containerignore file to exclude the Containerfile

or Dockerfile and .containerignore files. These files are still sent

to the daemon because it needs them to do its job. But the ADD and COPY

instructions do not copy them to the image.

Finally, you may want to specify which files to include in the context,

rather than which to exclude. To achieve this, specify * as the first

pattern, followed by one or more ! exception patterns.

SEE ALSO

    buildah-build(1), podman-build(1), docker-build(1)

HISTORY

    *Sep 2021, Compiled by Dan Walsh (dwalsh at redhat dot com) based on

    docker.com .dockerignore documentation.

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