

# cachedir—cache directory tag management

The Obnam project

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## 1 Introduction

The `cachedir` utility manages tags for cache directories. A cache directory tag is specified in Cache Directory Tagging Specification<sup>1</sup>, and is a file called `CACHEDIR.TAG`, where the first line consists of:

Signature: 8a477f597d28d172789f06886806bc55

Creating such files by hand is easy enough, but `cachedir` makes it a little easier.

Many backup programs recognize cache directory tags and can exclude such directories.

## 2 Data files for testing

We will use a dummy tag file for testing: something that is named `CACHEDIR.TAG`, but doesn't have the right contents.

File: **not-a-tag**

<sup>1</sup> This is not a cache directory tag.

## 3 Managing cache directories

*Requirement: The tool must find cache directories, and add and remove tags as requested.*

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<sup>1</sup><http://www.bford.info/cachedir/>

We should find no cache directories, if there aren't any.

```
given an installed cachedir
when I run cachedir find .
then stdout is exactly ""
when I try to run cachedir is-cache foo
then command fails
when I try to run cachedir is-cache bar
then command fails
```

When we create a directory, and a CACHEDIR.TAG file with the wrong contents, it's not a cache directory.

```
given a directory foo
and file foo/CACHEDIR.TAG from not-a-tag
when I run cachedir find .
then stdout is exactly ""
when I try to run cachedir is-cache foo
then command fails
when I try to run cachedir is-cache bar
then command fails
```

When we create an actual tag, the directory is found.

```
given a directory bar
when I run cachedir tag bar
and I run cachedir find .
then stdout contains "/bar"
when I try to run cachedir is-cache foo
then command fails
when I try to run cachedir is-cache bar
then command is successful
```

Finally, we should again find no cache directories if we remove that tag.

```
when I run cachedir untag bar
and I run cachedir find .
then stdout is exactly ""
when I try to run cachedir is-cache foo
then command fails
when I try to run cachedir is-cache bar
then command fails
```