

Tmpfiles.d

Tmpfiles.d configuration files provide a generic mechanism to define the creation of regular files, directories, pipes, and device nodes, adjustments to their access mode, ownership, attributes, quota assignments, and contents, and finally their time-based removal. It is mostly commonly used for volatile and temporary files and directories (such as those located under `/run/`, `/tmp/`, `/var/tmp/`).

File Locations

```
/etc/tmpfiles.d/*.conf
/run/tmpfiles.d/*.conf
/usr/lib/tmpfiles.d/*.conf

~/.config/user-tmpfiles.d/*.conf
$XDG_RUNTIME_DIR/user-tmpfiles.d/*.conf
~/.local/share/user-tmpfiles.d/*.conf
/usr/share/user-tmpfiles.d/*.conf
```

Each configuration file shall be named in the style of `package.conf` or `package-part.conf`. The second variant should be used when it is desirable to make it easy to override just this part of configuration. Files in `/etc/tmpfiles.d` override files with the same name in `/usr/lib/tmpfiles.d` and `/run/tmpfiles.d`. Files in `/run/tmpfiles.d` override files with the same name in `/usr/lib/tmpfiles.d`. Packages should install their configuration files in `/usr/lib/tmpfiles.d`. Files in `/etc/tmpfiles.d` are reserved for the local administrator

Configuration File Format

The configuration format is one line per path, containing type, path, mode, ownership, age, and argument fields. The lines are separated by newlines, the fields by whitespace:

#Type	Path	Mode	User	Group	Age	Argument...
d	/run/user	0755	root	root	10d	-
L	/tmp/foobar	-	-	-	-	/dev/null

#Type	Path	Mode	User	Group	Age
Argument					
f	/file/to/create	mode	user	group	-
content					
f+	/file/to/create-or-truncate	mode	user	group	-
content					
w	/file/to/write-to	-	-	-	-
content					
w+	/file/to/append-to	-	-	-	-
content					
d	/directory/to/create-and-clean-up	mode	user	group	cleanup-age -

D	/directory/to/create-and-remove	mode	user	group	cleanup-age	-
e	/directory/to/clean-up	mode	user	group	cleanup-age	-
v	/subvolume-or-directory/to/create	mode	user	group	cleanup-age	-
q	/subvolume-or-directory/to/create	mode	user	group	cleanup-age	-
Q	/subvolume-or-directory/to/create	mode	user	group	cleanup-age	-
p	/fifo/to/create	mode	user	group	-	-
p+	/fifo/to/[re]create	mode	user	group	-	-
L	/symlink/to/create	-	-	-	-	-
symlink/target/path						
L+	/symlink/to/[re]create	-	-	-	-	-
symlink/target/path						
c	/dev/char-device-to-create	mode	user	group	-	-
major:minor						
c+	/dev/char-device-to-[re]create	mode	user	group	-	-
major:minor						
b	/dev/block-device-to-create	mode	user	group	-	-
major:minor						
b+	/dev/block-device-to-[re]create	mode	user	group	-	-
major:minor						
C	/target/to/create	-	-	-	cleanup-age	-
/source/to/copy						
C+	/target/to/create	-	-	-	cleanup-age	-
/source/to/copy						
x	/path-or-glob/to/ignore/recursively	-	-	-	cleanup-age	-
X	/path-or-glob/to/ignore	-	-	-	cleanup-age	-
r	/path-or-glob/to/remove	-	-	-	-	-
R	/path-or-glob/to/remove/recursively	-	-	-	-	-
z	/path-or-glob/to/adjust/mode	mode	user	group	-	-
Z	/path-or-glob/to/adjust/mode/recursively	mode	user	group	-	-
t	/path-or-glob/to/set/xattrs	-	-	-	-	-
xattrs						
T	/path-or-glob/to/set/xattrs/recursively	-	-	-	-	-
xattrs						
h	/path-or-glob/to/set/attrs	-	-	-	-	-
file attrs						
H	/path-or-glob/to/set/attrs/recursively	-	-	-	-	-
file attrs						
a	/path-or-glob/to/set/acls	-	-	-	-	-
POSIX ACLs						
a+	/path-or-glob/to/append/acls	-	-	-	-	-
POSIX ACLs						
A	/path-or-glob/to/set/acls/recursively	-	-	-	-	-
POSIX ACLs						
A+	/path-or-glob/to/append/acls/recursively	-	-	-	-	-
POSIX ACLs						

Reload configuration

```
systemd-tmpfiles --create
```

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