

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

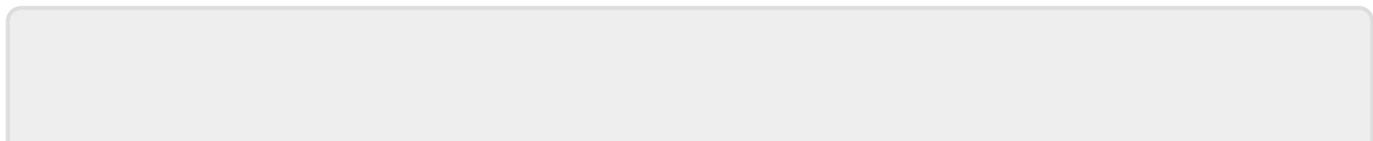
```

```

#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					



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