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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'rofiles-fuse.1' command

\$ man rofiles-fuse.1

ROFILES-FUSE(1) rofiles-fuse ROFILES-FUSE(1)

NAME

rofiles-fuse - Use FUSE to create a view where directories are writable, files are immutable

SYNOPSIS

rofiles-fuse SRCDIR MNTPOINT

DESCRIPTION

Creating a checkout from an OSTree repository by default uses hard links, which means an in-place mutation to any file corrupts the repository and all checkouts. This can be problematic if one wishes to run arbitrary programs against such a checkout. For example, RPM %post scripts or equivalent.

In the case where one wants to create a tree commit derived from other content, using rofiles-fuse in concert with ostree commit --link-checkout-speedup (or the underlying API) can ensure that only new files are checksummed.

EXAMPLE: UPDATE AN OSTREE COMMIT

```
# Initialize a checkout and mount
```

```
$ ostree --repo=repo checkout somebranch branch-checkout
```

```
$ mkdir mnt
```

```
$ rofiles-fuse branch-checkout mnt
```

```
# Now, arbitrary changes to mnt/ are reflected in branch-checkout
```

```
$ echo somenewcontent > mnt/aneufile
```

```
$ mkdir mnt/aneudir
```

```
$ rm mnt/someoriginalcontent -rf
```

```
# Commit and cleanup
```

```
$ fusermount -u mnt
```

```
    $ ostree --repo=repo commit --link-checkout-speedup -b somebranch -s 'Commit new content'
```

```
--tree=dir=branch-checkout
```

```
$ rm mnt branch-checkout -rf
```

SEE ALSO

[ostree\(1\)](#)

[rofiles-fuse](#)

[ROFILES-FUSE\(1\)](#)