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Red Hat Enterprise Linux Release 9.2 Manual Pages on 'buildah-unshare.1' command

\$ man buildah-unshare.1

buildah-unshare(1) General Commands Manual buildah-unshare(1)

NAME

buildah-unshare - Run a command inside of a modified user namespace.

SYNOPSIS

buildah unshare [options] [--] [command]

DESCRIPTION

Launches a process (by default, \$SHELL) in a new user namespace. The user namespace is configured so that the invoking user's UID and primary GID appear to be UID 0 and GID 0, respectively. Any ranges which match that user and group in /etc/subuid and /etc/subgid are also mapped in as themselves with the help of the newuidmap(1) and newgidmap(1) helpers.

buildah unshare is useful for troubleshooting unprivileged operations and for manually clearing storage and other data related to images and containers.

It is also useful if you want to use the buildah mount command. If an unprivileged user wants to mount and work with a container, then they need to execute buildah unshare. Executing buildah mount fails for unprivileged users unless the user is running inside a buildah unshare session.

OPTIONS

--mount, -m [VARIABLE=]containerNameOrID

Mount the containerNameOrID container while running command, and set

the environment variable VARIABLE to the path of the mountpoint. If VARIABLE is not specified, it defaults to containerNameOrID, which may not be a valid name for an environment variable.

EXAMPLE

```
buildah unshare id
buildah unshare pwd
buildah unshare cat /proc/self/uid_map /proc/self/gid_map
buildah unshare rm -fr $HOME/.local/share/containers/storage
/run/user/`id -u`/run
buildah unshare --mount containerID sh -c 'cat ${containerID}/etc/os-
release'
```

If you want to use buildah with a mount command then you can create a script that looks something like:

```
cat buildah-script.sh << _EOF
#!/bin/sh
ctr=$(buildah from scratch)
mnt=$(buildah mount $ctr)
dnf -y install --installroot=$mnt PACKAGES
dnf -y clean all --installroot=$mnt
buildah config --entrypoint="/bin/PACKAGE" --env "FOO=BAR" $ctr
buildah commit $ctr imagename
buildah unmount $ctr
_EOF
```

Then execute it with:

```
buildah unshare buildah-script.sh
```

SEE ALSO

[buildah\(1\)](#), [buildah-mount\(1\)](#), [namespaces\(7\)](#), [newuidmap\(1\)](#),
[newgidmap\(1\)](#), [user_namespaces\(7\)](#)

buildah June 2018 buildah-unshare(1)