Rocky Enterprise Linux 9.2 Manual Pages on command 'buildah-unshare.1'

$ 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 users

   wants to mount and work with a container, then they need to execute buildah unshare. Exe?

   cuting 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 vari?

   able 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_name? spaces(7)