

Installation methods

The following are all of the available options for the installing Ceph through different channels. We support 3 main installation methods, all managed by the `ceph_origin` variable:

- `repository`: means that you will get ceph installed through a new repository. Later below choose between `community`, `rhcs` or `dev`. These options will be exposed through the `ceph_repository` variable.
- `distro`: means that no separate repo file will be added and you will get whatever version of Ceph is included in your Linux distro.
- `local`: means that the ceph binaries will be copied over from the local machine (not well tested, use at your own risk)

Origin: Repository

If `ceph_origin` is set to `repository`, you now have the choice between a couple of repositories controlled by the `ceph_repository` option:

- `community`: fetches packages from <http://download.ceph.com>, the official community Ceph repositories
- `rhcs`: means you are a Red Hat customer, additionally you will have to select a repository type through `ceph_repository_type` (`cdn` or `iso`)
- `dev`: fetches packages from shaman, a gitbuilder based package system
- `uca`: fetches packages from Ubuntu Cloud Archive
- `custom`: fetches packages from a specific repository

Community repository

If `ceph_repository` is set to `community`, packages you will be by default installed from <http://download.ceph.com>, this can be changed by tweaking `ceph_mirror`. Final step is to select which Ceph release you want to install, for this you have to set `ceph_stable_release` accordingly. For example, `ceph_stable_release: luminous`.

RHCS repository

RHCS is the Red Hat Ceph Storage product from Red Hat, the enterprise version of Ceph. If `ceph_repository` is set to `rhcs`, packages you will be installed from Red Hat sources.

Additionally you will have to select a repository type through `ceph_repository_type`, it can be `cdn` or `iso`. To choose a specific version of RHCS you can set the `ceph_rhcs_version` variable accordingly, e.g: `ceph_rhcs_version: 2`.

UCA repository

If `ceph_repository` is set to `uca`, packages you will be by default installed from <http://ubuntu-cloud.archive.canonical.com/ubuntu>, this can be changed by tweaking `ceph_stable_repo_uca`. You can also decide which OpenStack version the Ceph packages should come from by tweaking `ceph_stable_openstack_release_uca`. For example, `ceph_stable_openstack_release_uca: liberty`.

Dev repository

If `ceph_repository` is set to `dev`, packages you will be by default installed from <https://shaman.ceph.com/>, this can not be tweaked. You can obviously decide which branch to install with the help of `ceph_dev_branch` (defaults to 'master'). Additionally, you can

specify a SHA1 with `ceph_dev_sha1`, defaults to 'latest' (as in latest built).

Custom repository

If `ceph_repository` is set to `custom`, packages you will be by default installed from a desired repository. This repository is specified with `ceph_custom_repo`, e.g: `ceph_custom_repo: https://server.domain.com/ceph-custom-repo`.

Origin: Distro

If `ceph_origin` is set to `distro`, no separate repo file will be added and you will get whatever version of Ceph is included in your Linux distro.

Origin: Local

If `ceph_origin` is set to `local`, the ceph binaries will be copied over from the local machine (not well tested, use at your own risk)