

! Notice

This document is for a development version of Ceph.

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CEPHADM

`cephadm` is a utility that is used to manage a Ceph cluster.

Here is a list of some of the things that `cephadm` can do:

- `cephadm` can add a Ceph container to the cluster.
- `cephadm` can remove a Ceph container from the cluster.
- `cephadm` can update Ceph containers.

`cephadm` does not rely on external configuration tools like Ansible, Rook, or Salt. However, those external configuration tools can be used to automate operations not performed by `cephadm` itself. To learn more about these external configuration tools, visit their pages:

- <https://github.com/ceph/cephadm-ansible>
- <https://rook.io/docs/rook/v1.10/Getting-Started/intro/>
- <https://github.com/ceph/ceph-salt>

`cephadm` manages the full lifecycle of a Ceph cluster. This lifecycle starts with the bootstrapping process, when `cephadm` creates a tiny Ceph cluster on a single node. This cluster consists of one Monitor and one Manager. `cephadm` then uses the orchestration interface to expand the cluster, adding hosts and provisioning Ceph daemons and services. Management of this lifecycle can be performed either via the Ceph command-line interface (CLI) or via the dashboard (GUI).

To use `cephadm` to get started with Ceph, follow the instructions in [Using Cephadm to Deploy a New Ceph Cluster](#).

`cephadm` was introduced in Ceph release v15.2.0 (Octopus) and does not support older versions of Ceph.

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