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## CEPH MANAGER DAEMON

The **Ceph Manager** daemon (ceph-mgr) runs alongside monitor daemons, to provide additional monitoring and interfaces to external monitoring and management systems.

Since the 12.x (*luminous*) Ceph release, the ceph-mgr daemon is required for normal operations. The ceph-mgr daemon is an optional component in the 11.x (*kraken*) Ceph release.

By default, the manager daemon requires no additional configuration, beyond ensuring it is running. If there is no mgr daemon running, you will see a health warning to that effect, and some of the other information in the output of *ceph status* will be missing or stale until a mgr is started.

Use your normal deployment tools, such as ceph-ansible or ceph-deploy, to set up ceph-mgr daemons on each of your mon nodes. It is not mandatory to place mgr daemons on the same nodes as mons, but it is almost always sensible.

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