BUILDING CEPH DOCUMENTATION

Ceph utilizes Python's Sphinx documentation tool. For details on the Sphinx documentation tool, refer to The Sphinx Documentation Tool.

To build the Ceph documentation set, you must:

1. Clone the Ceph repository
2. Install the required tools
3. Build the documents

CLONE THE CEPH REPOSITORY

To clone the Ceph repository, you must have `git` installed on your local host. To install `git`, execute:

```
sudo apt-get install git
```

To clone the Ceph repository, execute:

```
git clone git://github.com/ceph/ceph
```

You should have a full copy of the Ceph repository.

INSTALL THE REQUIRED TOOLS

To build the Ceph documentation, some dependencies are required. To know what packages are needed, you can launch this command:

```
cd ceph
admin/build-doc
```

If dependencies are missing, the command above will fail with a message that suggests you a command to install all missing dependencies.

BUILD THE DOCUMENTS

Once you have installed all the dependencies, execute the build (the same command as above):

```
cd ceph
admin/build-doc
```

Once you build the documentation set, you may navigate to the source directory to view it:

```
cd build-doc/output
```

There should be an `html` directory and a `man` directory containing documentation in HTML and manpage formats respectively.