

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://ceph/ceph.git
```

You should have a full copy of the Ceph repository.

INSTALL THE REQUIRED TOOLS

If you do not have Sphinx and its dependencies installed, a list of dependencies will appear in the output. Install the dependencies on your system, and then execute the build.

To run Sphinx, at least the following are required:

- `python-dev`
- `python-pip`
- `python-virtualenv`
- `libxml2-dev`
- `libxslt-dev`
- `doxygen`
- `ditaa`
- `graphviz`

Execute `apt-get install` for each dependency that isn't installed on your host.:

```
sudo apt-get install python-dev python-pip python-virtualenv libxml2-dev libxslt-dev doxygen
```

Note: There is a soft dependency on a single JS file that is intended for navigating the different doc versions of `ceph.com` that depends on an external HTTP service. More info in the [Ayni docs](#)

BUILD THE DOCUMENTS

Once you have installed all the dependencies, execute the build:

```
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.
