

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
```

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.

