

CEPH STORAGE CLUSTER APIS

The **Ceph Storage Cluster** has a messaging layer protocol that enables clients to interact with a **Ceph Monitor** and a **Ceph OSD Daemon**. librados provides this functionality to **Ceph Clients** in the form of a library. All Ceph Clients either use librados or the same functionality encapsulated in librados to interact with the object store. For example, librbd and libcephfs leverage this functionality. You may use librados to interact with Ceph directly (e.g., an application that talks to Ceph, your own interface to Ceph, etc.).

- **Introduction to librados**
 - **Step 1: Getting librados**
 - **Step 2: Configuring a Cluster Handle**
 - **Step 3: Creating an I/O Context**
 - **Step 4: Closing Sessions**
- **librados (C)**
 - **Example: connecting and writing an object**
 - **Asynchronous IO**
 - **API calls**
- **librados (C++)**
- **librados (Python)**
 - **Installation**
 - **Getting Started**
 - **Cluster Handle API**
 - **Input/Output Context API**
 - **Object Interface**
- **object class**
 - **Installing objclass.h**
 - **Using the SDK example**