



Introduction to Ceph

Laura Flores

What is Ceph?



Open-source distributed storage system



Used by companies and individuals to manage vast amounts of data



Known for **scalability**, **reliability**, and **performance**

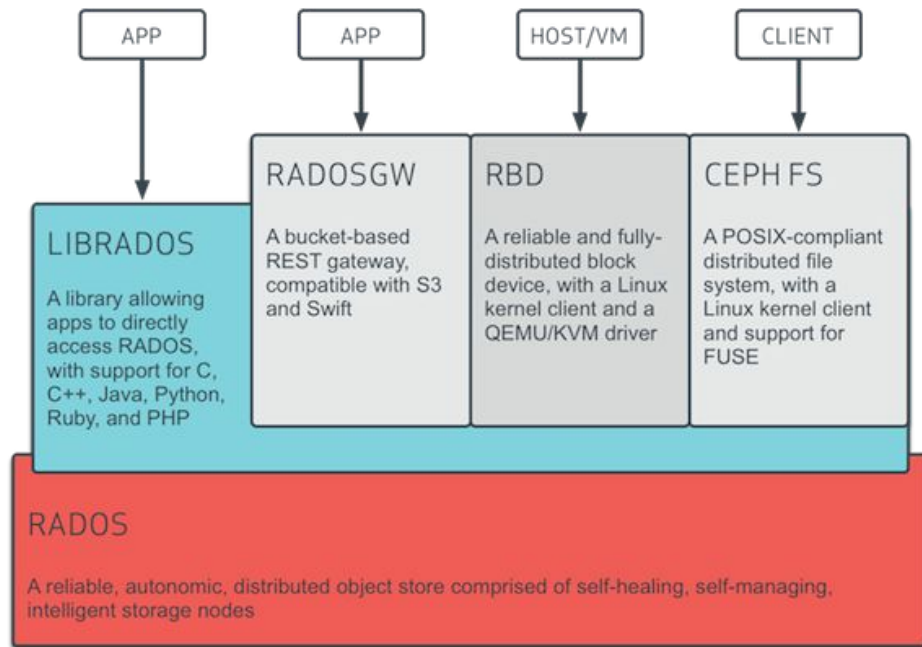


A single cluster can serve **object**, **block**, and **file** workloads

What is Ceph used for?



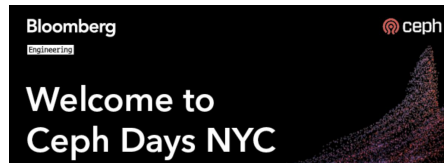
- Any use case that involves keeping a large amount of data safe and protected:
 - Research
 - Testing and developing software
 - Media storage
 - Business infrastructure
 - ... and much more!



What makes us stand out?



- Cutting-edge storage technology
- Vibrant growing community
- 1K+ individual contributors across the world, ~140K commits and counting!
- Opportunities for research and partnership with universities
- Google Summer of Code, Outreachy and Grace Hopper Participation every year
- Community events across the world (past events in NYC, Netherlands, Barcelona, Beijing, Vancouver, Bengaluru, Seoul)
- Ceph partners with organizations such CERN, Bloomberg, Intel



Skills / Materials Involved



- Skills
 - C++
 - Python
 - Willingness to learn!
- Materials
 - Linux OS (Centos Stream, Ubuntu, Fedora)
 - Mac OS
 - Other OK as long as you have access to a Linux-based VM

Getting Started



- Code: <https://github.com/ceph/ceph>
- Website: <https://ceph.io/>
- Documentation: <https://docs.ceph.com/>
- Slack: ceph-storage.slack.com
- X (formerly Twitter): @ceph
- Mailing lists: <http://lists.ceph.io/>
 - ceph-announce@ceph.io → announcements
 - ceph-users@ceph.io → user discussion
 - dev@ceph.io → developer discussion
- YouTube 'Ceph' channel -
<https://www.youtube.com/@Cephstorage>





Thanks!

Email: lflores@ibm.com

GitHub: [ljflores](#)

LinkedIn: [linkedin.com/in/laura-flores-430353193](https://www.linkedin.com/in/laura-flores-430353193)



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