State of the Project

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State of the Project

- Community growth
- Major new features
- Looking forward
Community Growth
35 New Contributors

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Major Contributing Companies

- SwiftStack
- eNovance
- Rackspace
- UnitedStack
- Red Hat
- IBM
Major New Features
Video Explanation of Swift Global Clusters
Global Clusters in Production

- Reliable and improve service to customers
- Support concurrency demanded by mobile devices
- Integrate into a heterogeneous environment
- More than ten million added per month
Global Clusters

- Geographically disperse Swift clusters
- Service providers get fault tolerant infrastructure
- Enterprises are used to a multi-DC architecture
- Supported and production-ready today
Other Major Features

conf.d style configs

Easier config management for operators
Composable configs
Easier to integrate management tools
Other Major Features

Pooled memcache connections

Less resource overhead, better performance
Other Major Features

Better replication

Improve the replication transport and make other efficiency improvements to lower MTTD and MTTR
Other Major Features

Better disk IO performance

Isolate drive workloads so that busy or failing drives won’t cause a performance hit to other requests in the system.
Other Major Features

Seagate Kinetic drives

- Key-value drives
- Ethernet interface
- Object-based
Going Forward
Storage Policies

Chosen by client

Hardware

Encoding

Protocol

Chosen by deployer
Erasure Codes

- Storage policy for efficient storage of colder data
- Driven by Intel, Box, and SwiftStack
Used by everyone, every day