

The MacPorts Project

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Short History of MacPorts

- originally internal project at Apple
- started in 2002
- with former name *DarwinPorts*
- as part of the OpenDarwin project

- since 2006 renamed to MacPorts
- hosted at Mac OS Forge at Apple



Mac OS **forge**

Milestones of MacPorts

- Support of universal binaries
 - helpful during PowerPC to x86 transition
- BuildBot infrastructure
 - Automatic tests of ports
- Distribution of binary archives
 - when licenses allow distribution
- Worldwide mirror network

OS X Support

- MacPorts targets multiple versions of OS X
 - OS X 10.11 El Capitan
 - OS X 10.10 Yosemite
 - OS X 10.9 Mavericks

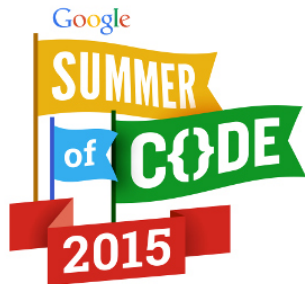
- still works on legacy versions back to OS X 10.4 Tiger

Statistics

- over 200 contributors with commit access
 - many more providing feedback and patches
- ~19,000 ports in official ports tree
 - including subports, multiple versions, ...

Sponsored Contributions

- Google Summer of Code
 - annual program sponsoring students to work for open source projects
 - participation from 2007 to 2015
 - not accepted 2012
 - not applied 2016



Google Summer of Code: Achievements

- ~20 students
 - many left project afterwards
- Merged/Released
 - privilege separation
 - logging
 - rev-upgrade
 - automatic Portfile generation
 - testing
 - ...

Google Summer of Code: Work in Progress

- Unreleased/unfinished
 - MacPorts.framework
 - GUI
 - Statistics (see port:mpstats)
 - Configuration file updates
 - Interactive port command
 - Cleanup/reclaiming disk space
 - Dependency resolution using libsolv

Future of MacPorts: Community

- First MacPorts Meeting!
- Inclusion of new contributors
- Communication
 - modern replacements for/additions to mailing list and IRC
- Co-maintenance of ports

Future of MacPorts: Development

- Development: base
 - Defining milestones for new releases
 - Merging feature branches
 - New features
 - automatic port testing
 - bug reporter integration with log submission/parsing
 - compiler wrappers
 - ...
- Development: ports
 - enhance Portfile generation
 - declarative syntax enhancements
 - variants vs. choices
 - ...
- Reproducible Builds

Future of MacPorts: Infrastructure

- Upcoming changes to Hosting and Infrastructure

Future of MacPorts: Organization

- Forming a legal entity
 - Funding of infrastructure and future meetings

Future of MacPorts: Discussion?

?