The Growing Spack Community

Adam J. Stewart





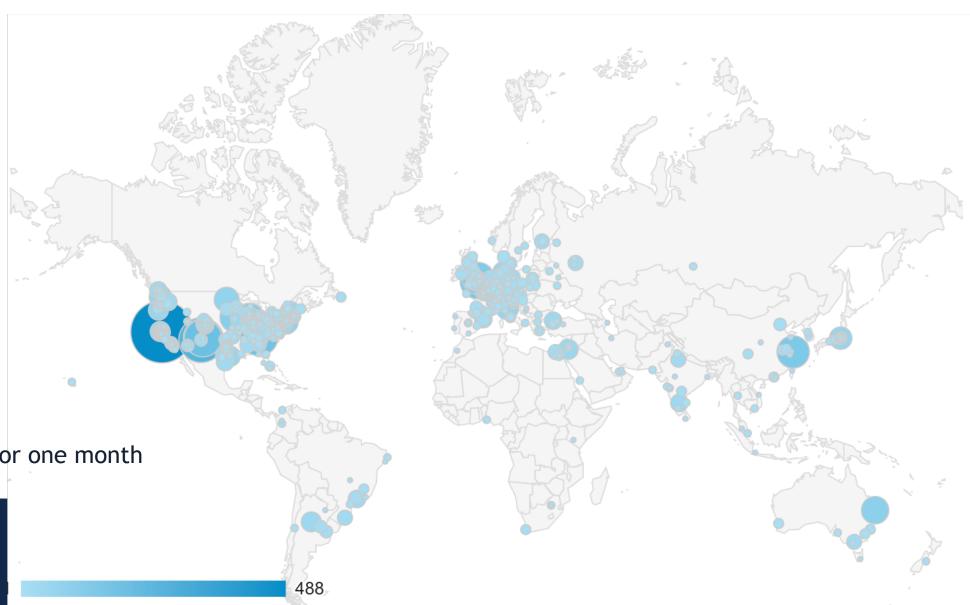
Spack is used worldwide.

Over **2,900** software packages

Over **300** contributors from labs, academia, industry

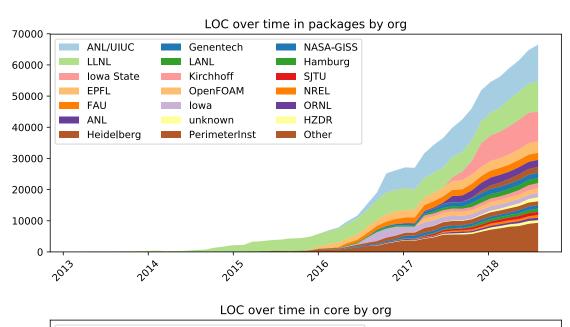
Over **150,000** downloads in the past year

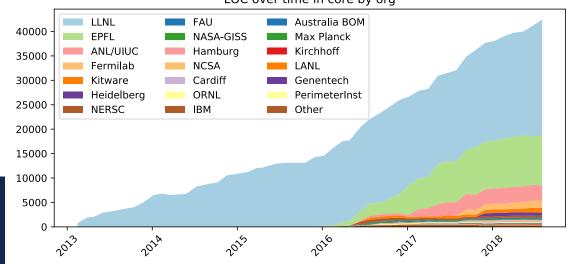
Plot shows sessions on spack.readthedocs.io for one month



Contributions to Spack continue to grow.

- In November 2015, LLNL provided most of the contributions to Spack
- Since then, we've gone from 300 to over 2,900 packages
- Most packages are from external contributors!
- Many contributions in core, as well.
- We are committed to sustaining Spack's open source ecosystem!





Community now spans DOE and beyond.

- 30+ organizations
 300+ contributors
 Sharing over 2,900 packages and growing
- Other use cases:
 - ARM using for entire compiler regression suite.
 - LIGO collaboration using for deployment
 - Intel using Spack to package ML software
 - NERSC using Spack on Cori: Cray support.
 - EPFL (Switzerland) contributing core features.
 - Fermi, CERN, BNL: high energy physics.
 - ANL using Spack on production Linux clusters.
 - NASA packaging an Ice model code.
 - ORNL working with us on Spack for CORAL.
 - Kitware: core features, ParaView, Qt, UV-CDAT support





Build systems documentation.

Make-based

MakefilePackage

Make-incompatible

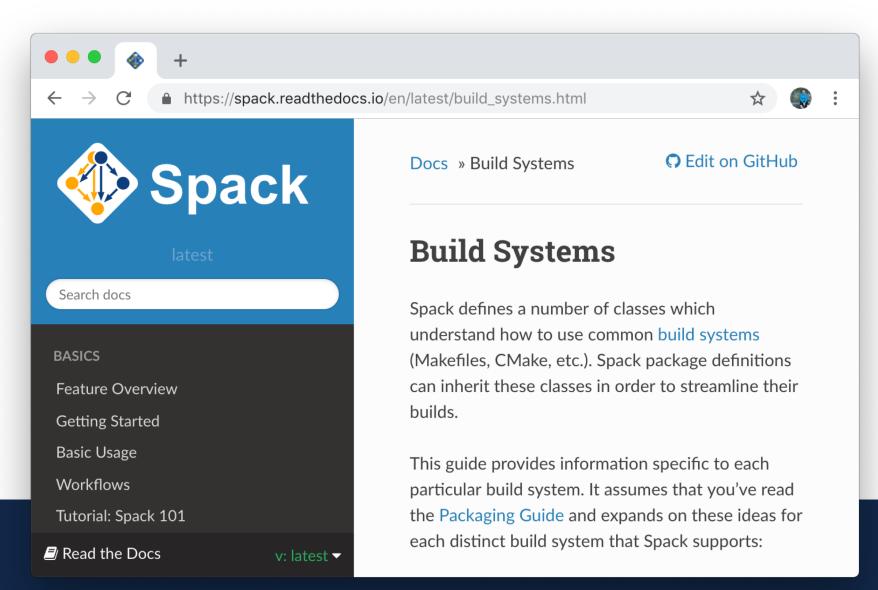
- SConsPackage
- WafPackage

Build-script generation

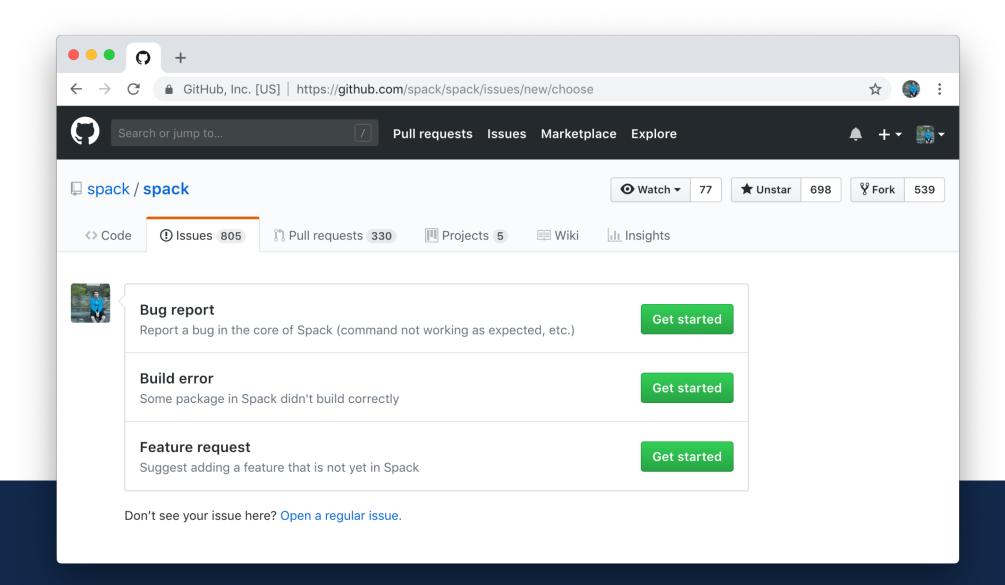
- AutotoolsPackage
- CMakePackage
- MesonPackage
- QMakePackage

Language-specific

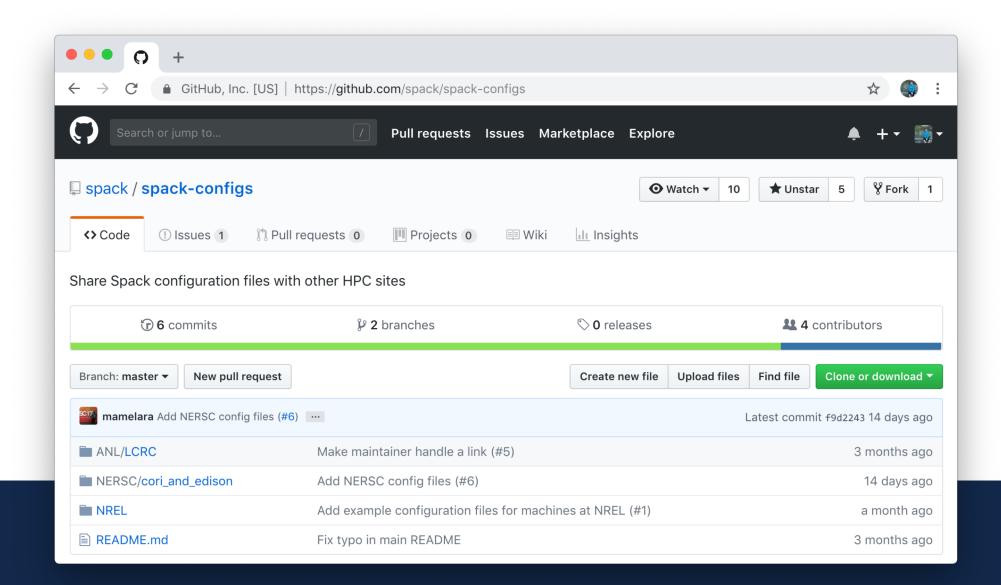
- OctavePackage
- PerlPackage
- PythonPackage
- RPackage



More specific issue templates.



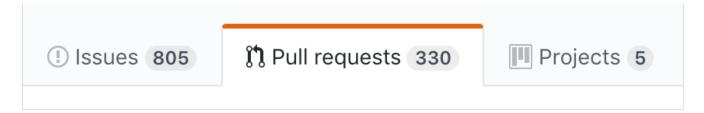
New spack-configs repository.





Suggested discussion topics.

Q: How to handle the growing number of issues/pull requests?



Q: How to handle stale issues/pull requests?

