Q & A, Project Status, and Wrap-up

Any Questions About the Language?

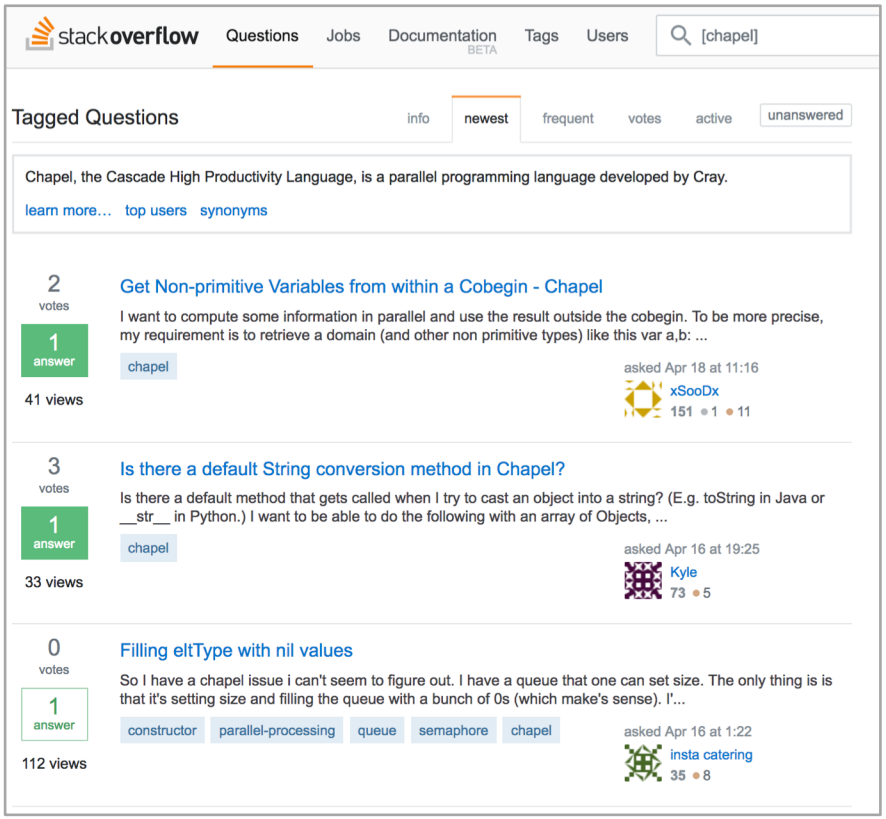
How can I…

…ask questions about the language and its usage?

Stack Overflow: [chapel] tags followed by core developers

chapel-users@lists.sourceforge.net: user-oriented discussion list

#chapel (irc.freenode.net): user-oriented IRC channel



How can I…

…track the project?

chapel-announce@lists.sourceforge.net: low-frequency announcements

http://facebook.com/ChapelLanguage: high-frequency announcements

http://twitter.com/ChapelLanguage: high-frequency announcements

https://www.youtube.com/channel/UCHmm27bYjhknK5mU7ZzPGsQ/ : Chapel videos

Where to..

Submit bug reports:

GitHub issues for chapel-lang/chapel: public bug forum
chapel_bugs@cray.com: for reporting non-public bugs

Discuss Chapel development

chapel-developers@lists.sourceforge.net: developer discussions
#chapel-developers (irc.freenode.net): developer-oriented IRC channel

Discuss Chapel's use in education

chapel-education@lists.sourceforge.net: educator discussions

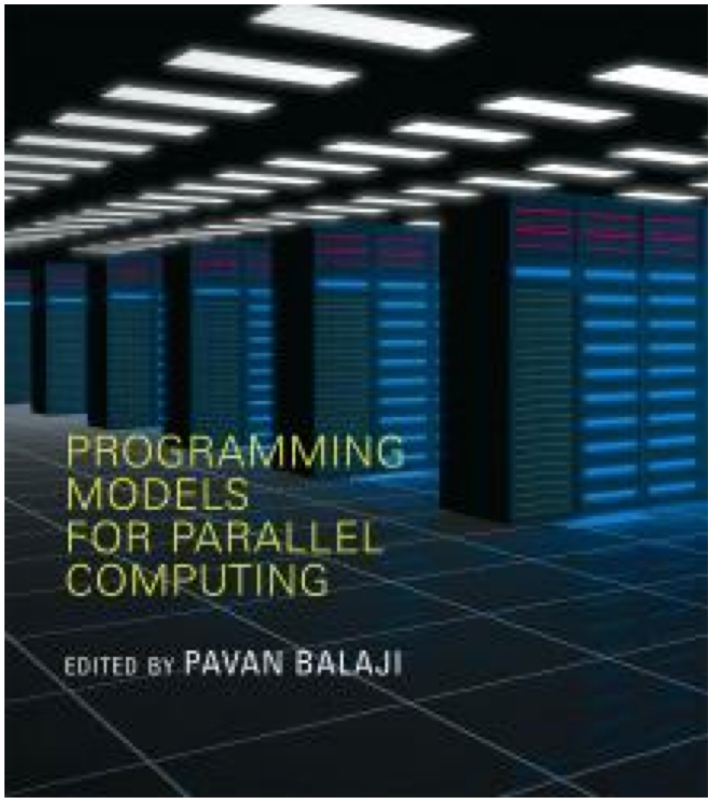
Directly contact Chapel team at Cray

chapel_info@cray.com

Suggested Reading

Chapel chapter from ***Programming Models for Parallel Computing***

- a detailed overview of Chapel's history, motivating themes, features
- published by MIT Press, November 2015
- edited by Pavan Balaji (Argonne)
- chapter is now also available online



Other Chapel papers/publications available at **http://chapel.cray.com/papers.html**

Chapel Blog Articles

Chapel: Productive Parallel Programming, Cray Blog, May 2013.

- *a short-and-sweet introduction to Chapel*

Six Ways to Say "Hello" in Chapel **(parts 1, 2, 3)**, Cray Blog, Sep-Oct 2015.

- *a series of articles illustrating the basics of parallelism and locality in Chapel*

Why Chapel? **(parts 1, 2, 3)**, Cray Blog, Jun-Oct 2014.

- *a series of articles answering common questions about why we are pursuing Chapel in spite of the inherent challenges*

[Ten] Myths About Scalable Programming Languages, IEEE TCSC Blog (index available on chapel.cray.com "blog articles" page), Apr-Nov 2012.

- *a series of technical opinion pieces designed to argue against standard reasons given for not developing high-level parallel languages*

What's Next?

- **Complete new initializer, error-handling features**
- **Continue to improve multi-locale performance & scaling**
  - particularly in the context of application codes
- **Improve support for vectorization and GPUs**
- **Revamp the compiler architecture**
  - make it more approachable to developers
  - improve compilation time
  - support separate compilation and/or incremental recompilation
  - support interactive Chapel programming (e.g., REPL / interpreter)
- **Continue growing set of libraries**
- **Deploy a package manager for Chapel**

Any Final Questions For Today?

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