



**Hewlett Packard
Enterprise**

CHAPEL 1.24 RELEASE NOTES: PROPOSED PRIORITIES FOR CHAPEL 1.25

Chapel Team

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PROPOSED PRIORITIES FOR CHAPEL 1.25

- **HPE Cray EX:** readiness and testing
- **User Support**
- **Chapel 2.0**
 - Standard Module Stabilization
 - Language Stabilization
 - interfaces
 - operators
 - non-nilable arrays and collections
- **Compiler:** speed, architecture, capabilities
- **Performance Improvements**
 - Particularly for HPE Cray EX and Infiniband-based systems
 - Vectorization
- **GPUs:** Improved Code Generation / Targeting
- **Outreach / Blog / How-to Documentation**
- **LLVM back-end used by default**



ADDITIONAL PRIORITIES FOR CHAPEL 1.25

- **Improved Python Interoperability**
- **Increased Use of / Support for Mason Packages**
- **Improved Compiler Support for Deprecating Features**





THANK YOU

<https://chapel-lang.org>
@ChapelLanguage

