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

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