CHAPEL 1.25 RELEASE NOTES:
PROPOSED PRIORITIES FOR CHAPEL 1.26

Chapel Team
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PROPOSED PRIORITIES FOR CHAPEL 1.26

• Chapel 2.0
  • Standard Module Stabilization (primarily)
  • Language Stabilization: collections of non-nilable

• User Support and Performance Tuning: CHAMPS, Arkouda, ChplUltra, ...

• Portability: HPE Cray EX, AWS/EFA, ...

• Compiler Rework: speed, architecture, capabilities

• GPU Support: Improved code generation / vendor portability

• Outreach and growing the user base: talks, papers, package libraries, CrayAI, how-tos, ...

• Build, Test, and Release: improvements, documentation, tooling
ADDITIONAL PRIORITIES FOR CHAPEL 1.26

• Chapel 2.0 stretch goals:
  • First class function design and initial implementation
  • Interfaces/Constrained Generics
• Mason: Increased Use of / Support for Packages
• Improved Python Interoperability
• LinearAlgebra Module Improvements
THANK YOU

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