



Hewlett Packard  
Enterprise

# CHAPEL 1.25 RELEASE NOTES: PROPOSED PRIORITIES FOR CHAPEL 1.26

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Chapel Team  
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# PROPOSED PRIORITIES FOR CHAPEL 1.26

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- **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

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- **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**



A wide-angle photograph of a mountain range under a clear blue sky. In the foreground, a dark, rocky mountain peak is visible on the left. The middle ground shows a series of rolling mountain ridges with patches of brown and green vegetation. In the background, a range of snow-capped mountains stretches across the horizon. A single bird is captured in flight on the right side of the frame, its wings spread wide. The overall color palette is dominated by blues, greys, and earthy tones.

# THANK YOU

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

