Legion Bootcamp: Features/Roadmap

Sean Treichler

But wait, there's more!

- **Things we didn't have time to talk about:**
  - **Fault-Tolerance / Resilience**
  - **Speculative execution**
  - **Temporary disk storage (i.e. scratch memory)**
  - **Permanent disk storage (i.e. file I/O)**
  - **NVRAM support**
  - **OpenMP support**
  - **Xeon Phi support**
  - **OpenGL support**
  - **External data (e.g. native Fortran array) support**
  - **Task graph optimizations (e.g. kernel fusion)**
  - **Application libraries (e.g. BLAS, solvers)**
  - **Autotuning framework**

2015 Roadmap (partial)

D 2014	
J 2015	• Lua-Terra integration • New partitioning API
F	
M	• Fault-Tolerance / Resilience
A	• Speculative execution
M	• Disk storage • New mapping API
J	
J	
A	• Visualization
S	• Xeon Phi support
O	• ...
N	
D 2015	

• Supporting application teams

• Training new Legion project members