

THE FLEXIBLE PATH TO PRODUCTIVITY AT EXASCALE (AND BEYOND)

THE NEW SHASTA™ SUPERCOMPUTING SYSTEM



CRAY

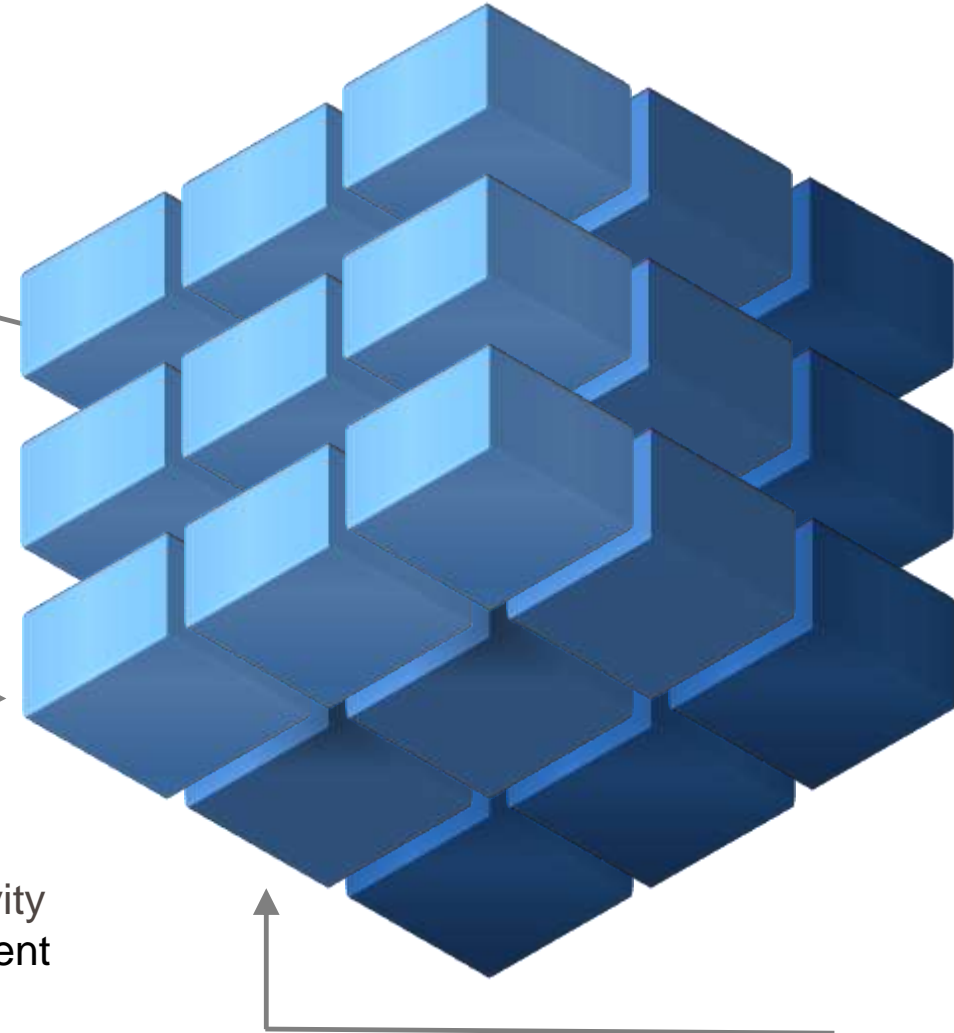
SAFE HARBOR STATEMENT

This presentation may contain forward-looking statements that are based on our current expectations. Forward looking statements may include statements about our financial guidance and expected operating results, our opportunities and future potential, our product development and new product introduction plans, our ability to expand and penetrate our addressable markets and other statements that are not historical facts.

These statements are only predictions and actual results may materially vary from those projected. Please refer to Cray's documents filed with the SEC from time to time concerning factors that could affect the Company and these forward-looking statements.



SHASTA™ ARCHITECTURE



THE CORE:
**Converged High
Speed Interconnect**
3 hop Dragonfly Slingshot™
(Ethernet compatible)

Flexible Storage:
Ultra-fast Flash directly on
the interconnect – tiered to
cost-effective HDD racks

**Flexible Software
Environment:**

- DEVELOP with high productivity
- INTEGRATE in any environment
- RUN any workflow reliably
- MAINTAIN without disruption
- SCALE through Exascale

Flexible Compute:
Heterogeneous processors
(AMD, ARM, INTC, NVDA,..)
either in ultra-dense cabinets or
standard 19" racks.

SLINGSHOT™ OVERVIEW



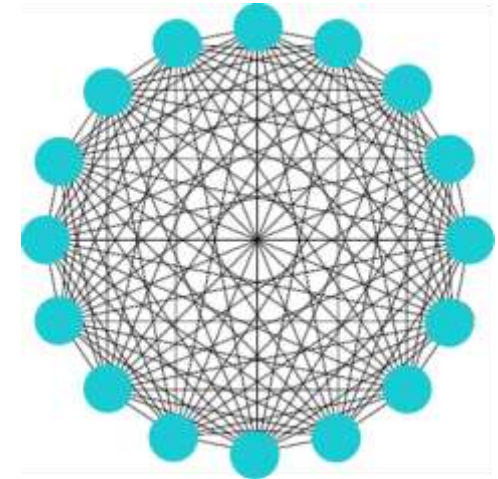
The new Cray-designed Slingshot™ system interconnect includes intelligent features to support diverse workloads to execute simultaneously at scale

Slingshot is a complete rethinking of the interconnect for HPC

- Adaptive routing
- Quality-of-Service
- Congestion Management

Slingshot integrate seamlessly into a variety of datacenter types

- Standard ethernet compatibility
- Multiple packaging types including liquid and air cooled options



FLEXIBLE COMPUTE INFRASTRUCTURE



Ultra-dense Cabinet Option

- 100% direct liquid cooling
- 64 compute blades with 4-16 sockets/blade
- Lowest TCO/up to 10 years w/o forklift upgrade
- Scales to >100 cabinets



Standard 19" Rack Option

- Front to back air cooling
- Liquid Cooling options for some nodes
- Fits into every data center
- Scales to >100 racks

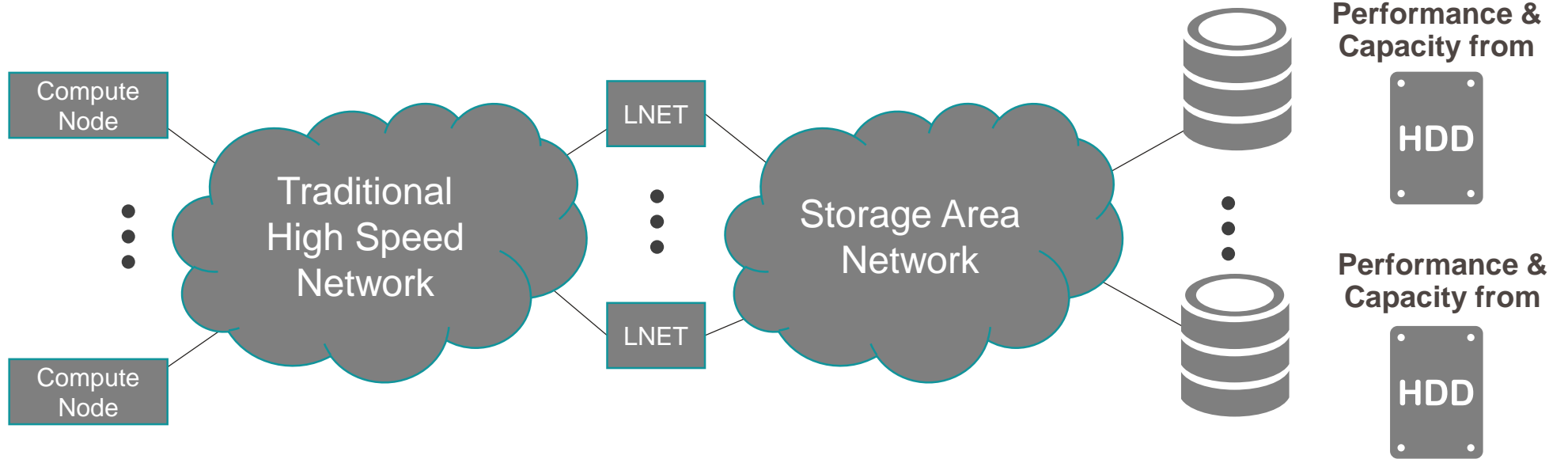


Same Interconnect - Same Software Environment

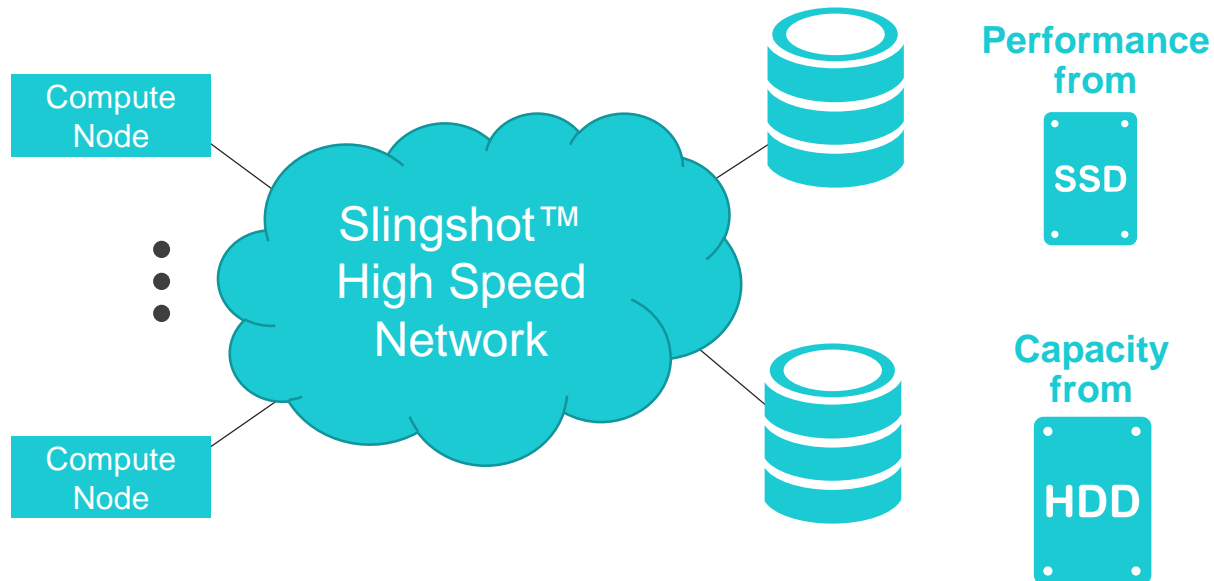
SHASTA™ PULLS STORAGE ONTO SLINGSHOT™ HSN



Traditional Model



Shasta™



Benefits:

- Lower cost
- Lower complexity
- Lower latency
- Improved small I/O performance

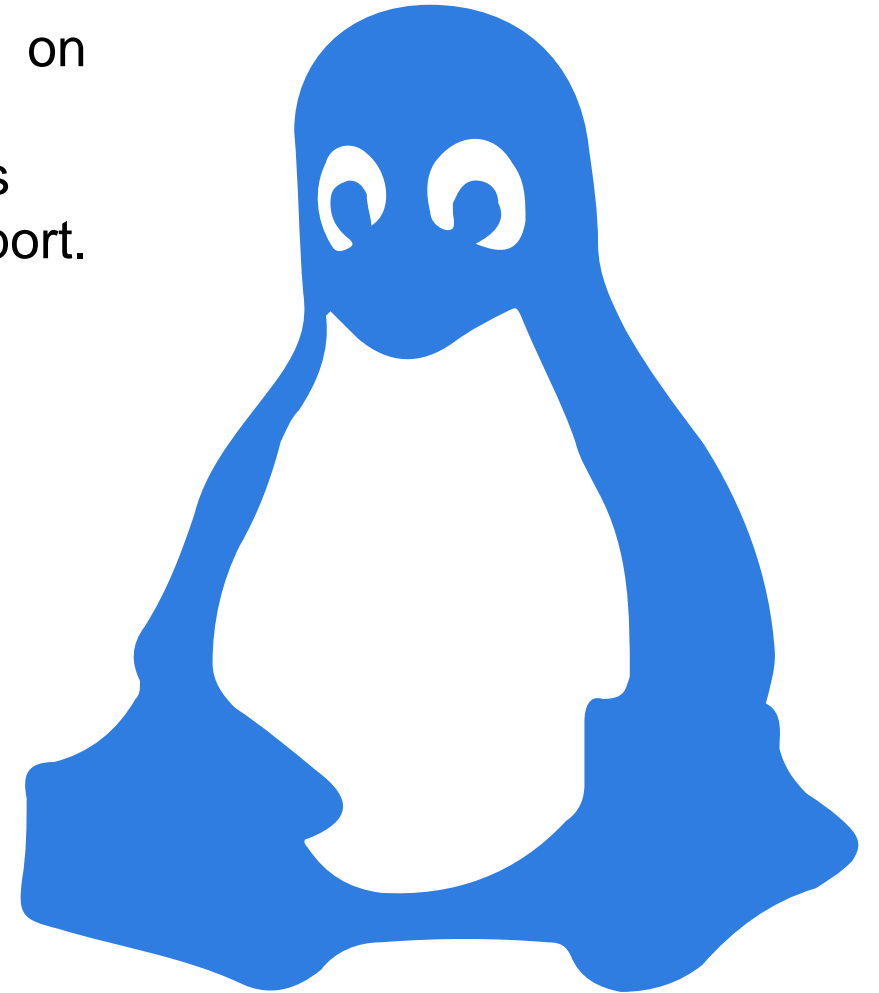
FLEXIBLE SOFTWARE CHOICE

- Applications, middleware and ISV software run off-the-shelf on Shasta™ if supported in the standard distribution
- Cray-provided standard Linux distribution infrastructure plus Slingshot™ and hardware infrastructure management support.
- Flexibility through easy integration of:
 - Open source distributions
 - Standard commercial distributions
 - Customer distributions

Slingshot™ and Shasta™ hardware infrastructure management

Standard Linux kernel and system services (RHEL, CentOS, others TBD)

Cray provided distribution



THANK YOU



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