



# A2C: EP Analytics' Smart Procurement for HPC

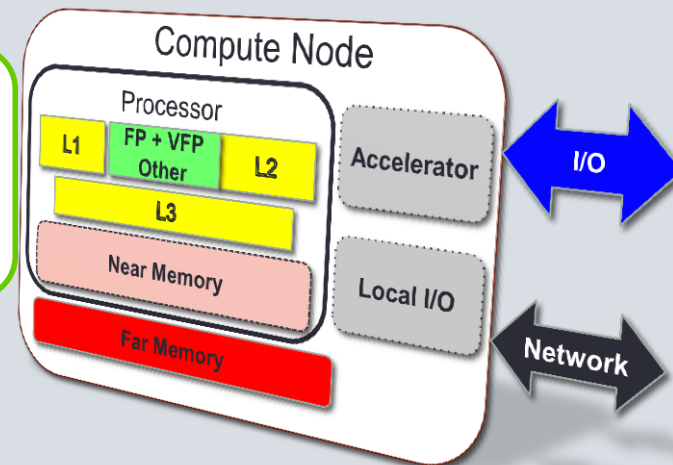
Deep characterization-driven performance analysis for system procurements

## Smart procurement decisions

- Discover hardware design points that have the biggest impact on your application's performance
- Compare how closely your proxy applications model your real applications
- Automatically assemble benchmarks with SST/MACRO to act as proxies to real applications

## Perform application characterization

- Performance depends on multiple factors – cache usage, proper utilization of near and far memory, use of available accelerators, and interconnect and I/O subsystems
- A2C quantifies how different components are used and suggests optimizations (e.g., methods to improve vector unit utilization)



## Compare key performance metrics

- Measure key performance metrics without having to recompile your code
- Compare metrics across multiple benchmarks
- Generate graphs to visualize interconnect, I/O and computation bottlenecks
- Perform “what if” analyses (e.g., what is the impact of different accelerator architectures?)

