Emerging Technologies: RapidIO

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Emerging Technologies: RapidIO Characteristics

- Scalability
  - Ethernet

- Low Latency
  - PCIe

- Hardware Termination
  - PCIe

- Guaranteed Delivery
  - Ethernet (SW only)

› Combines strengths of PCIe and Ethernet

› Supports heterogeneous systems
Emerging Technologies: RapidIO Background

- From front side bus to system level interconnect
- Meets real time needs as well as scalability
- Data analysis use case
- Data acquisition use case