HiPINEB 2017

Panel : Massive-storage Networks vs Intensive-computing Networks

Moderator:
John Kim, HP Labs / KAIST

Panelists:
Dave Mayhew, San Diego University,
Bill Dally, NVIDIA and Stanford
Torsten Hoefler, ETH Zurich

February 5, Austin, Texas, USA

Panel questions

1. Define how MSN and ICN are similar and different.

2. Should research funding agencies support research in MSN or ICN?

3. Bandwidth: Do we need more bandwidth for either MSN or ICN?

4. MSN are more cost-conscious, compared with ICN. Should MSN providers invest in HPC ICN to help drive down cost?

5. Will MSN and ICN converge in the future? If so, when and what will that network look like?
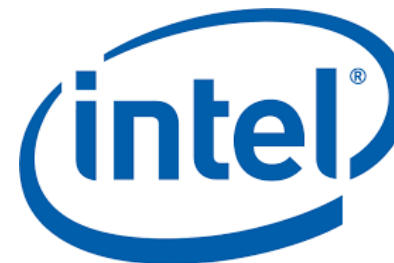
Panel Topic

Massive-storage Networks
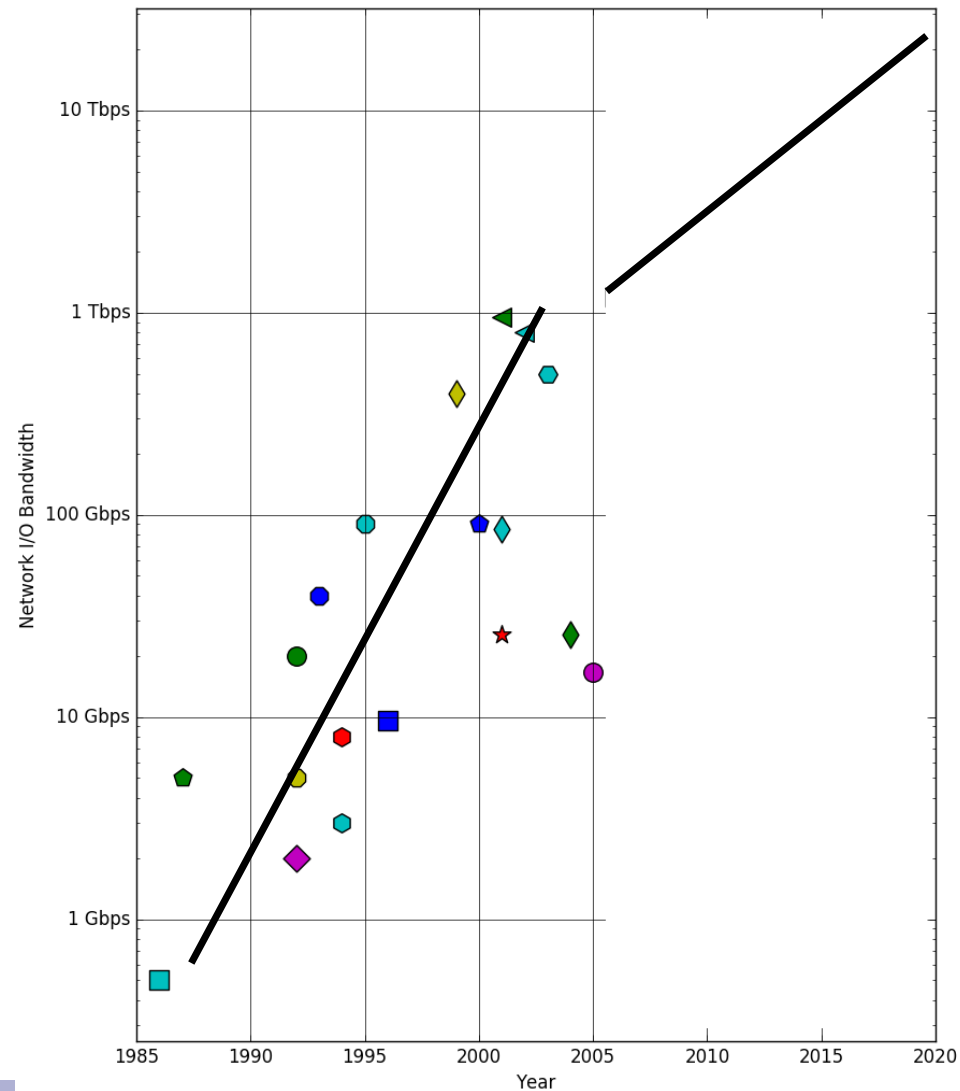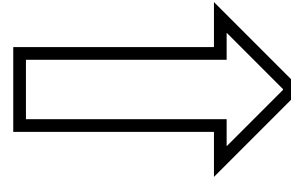
Intensive-computing Networks

Bandwidth trend
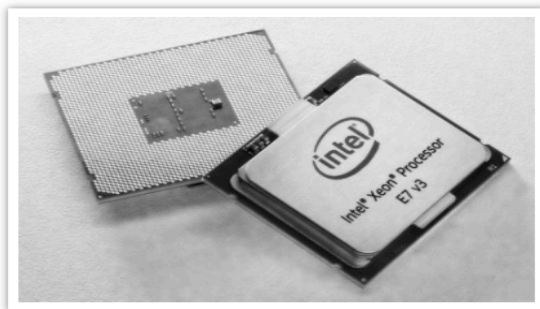
Lowering cost for others

turbocharged
8-cylinder engine
600 horsepower
590 lb-ft torque
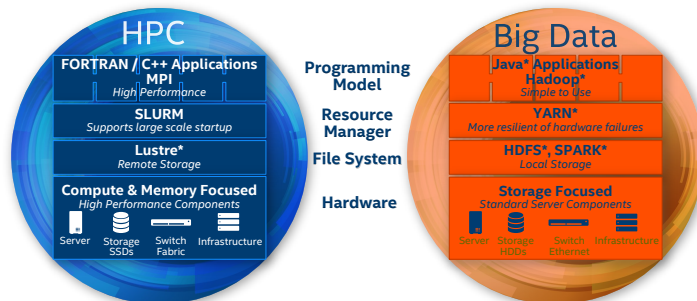
Intel (ISC'15)

ONE SINGLE SYSTEM ARCHITECTURE TO RULE THEM ALL

July 20, 2015   Nicole Hemsoth

There is little doubt that the worlds of large-scale data analytics and high performance computing share common features, but when it comes to meshing these two disparate technology (and to a large degree, cultural) divides, there are clear challenges. From an architectural perspective, to programming paradigms, to the tools that are standardized upon, big data and HPC have to travel quite a ways to meet in the middle.

Different Systems (Today)

Converged Architecture for HPC and Big Data
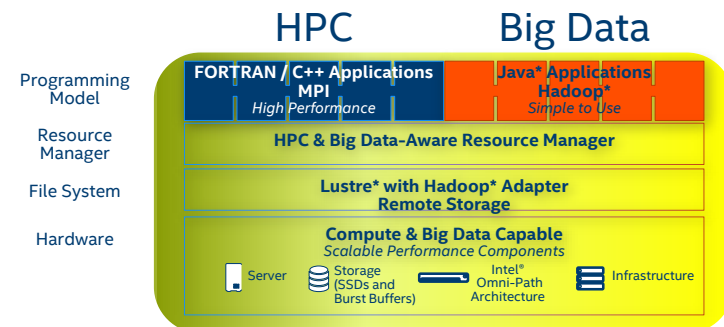
[Intel ISC'15]

Panelists

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<u>Moderator</u>: John Kim, HP Labs / KAIST, South Korea

Torsten Hoefler
ETH Zurich
Switzerland

Bill Dally
nVIDIA and Stanford
USA

David Mayhew
San Diego University
USA

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Style Powered by: ACCA

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