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sgi

Top Customer Challenges

1. Power

"I have a power limit of 4.5 Megawatts"

2. Data

"Data has become too large to move"

3. Architectures

"What should my next machine be: CPU, GPU, PHI?"



- Warm Water Cooling
- CPU, GPU, PHI blades
- Power Management





Total Pangea



NCAR Cheyenne



Scale Up - SGI UV

- Single System
- Up to 64TB of shared memory
- Up to 256 CPUs
- Compute- and data-intensive workloads

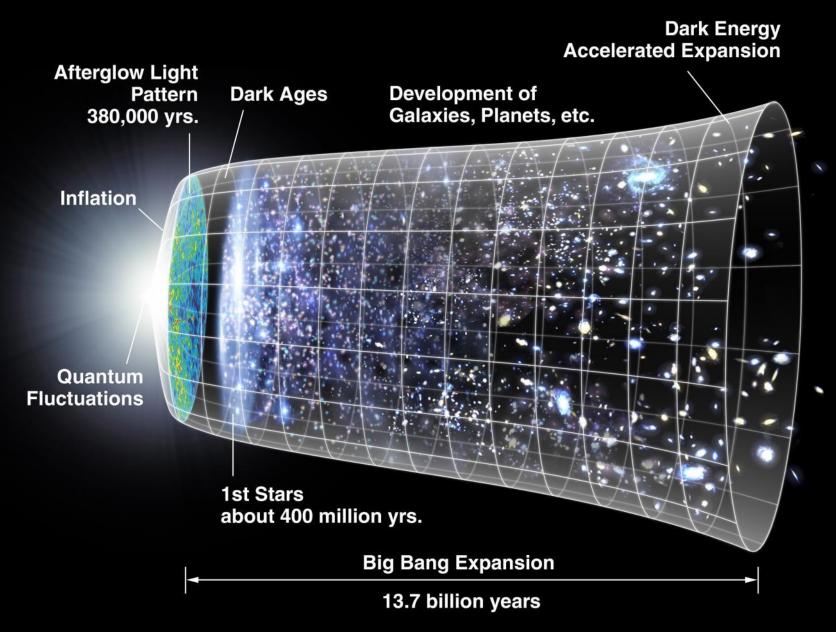
High Performance Computing at SGI



COSMOS Supercomputer

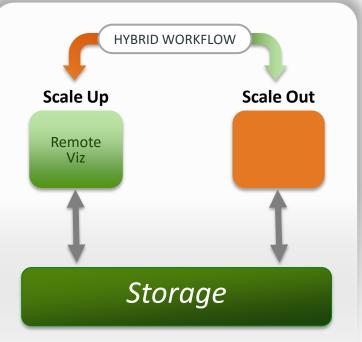


Understanding the Universe



Manufacturing Workflow





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ZeroCopy Architecture (ZCA)

