Peer-to-Peer: Broad Pattern, Specific Applications

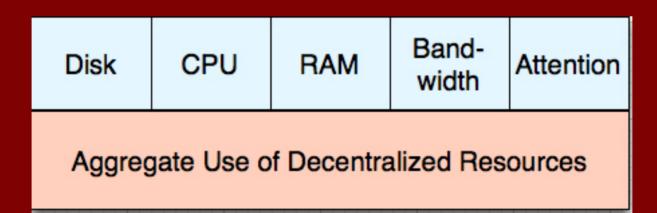
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Aggregate Use of Distributed Resources

- Resources at the "edge" of the internet
 - PCs are the dark matter of the internet
- In aggregate, these resources are valuable
- They are impossible to aggregate using traditional models
- P2P applications create novel ways of aggregating these resources

Deep Pattern

- General Grid (SDSC, IBM, etc.)
- Disk OceanStore
- CPU SARS
- RAM Genetic Algorithms
- Bandwidth Bittorrent
- Attention NASA Clickworkers

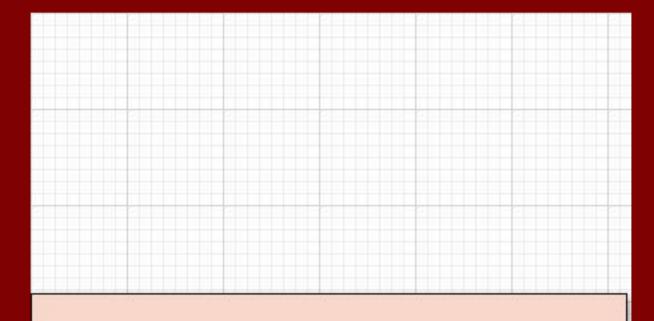


Middle Pattern

File
SharingStorageScratchRedundancyEtc...Disk

Shallow Pattern

Kazaa Groove NEHEN LOCKS Etc...
File Sharing



Aggregate Use of Decentralized Resources

