

Benchmarking Grids

Jon Ludwig - jal2656@rit.edu

Brad Israel - bdi8241@cs.rit.edu

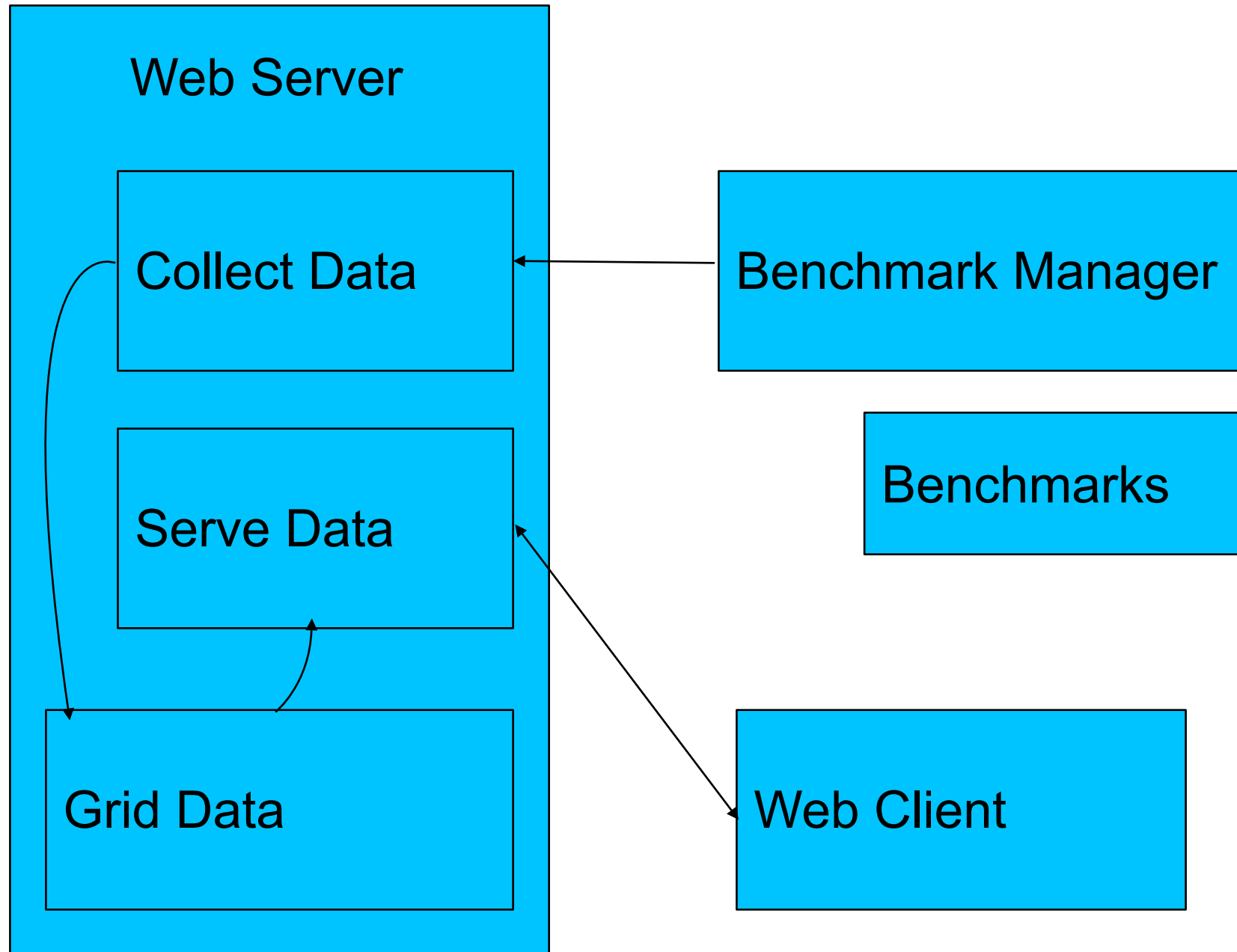
Gregor von Laszewski - gregor@rit.edu

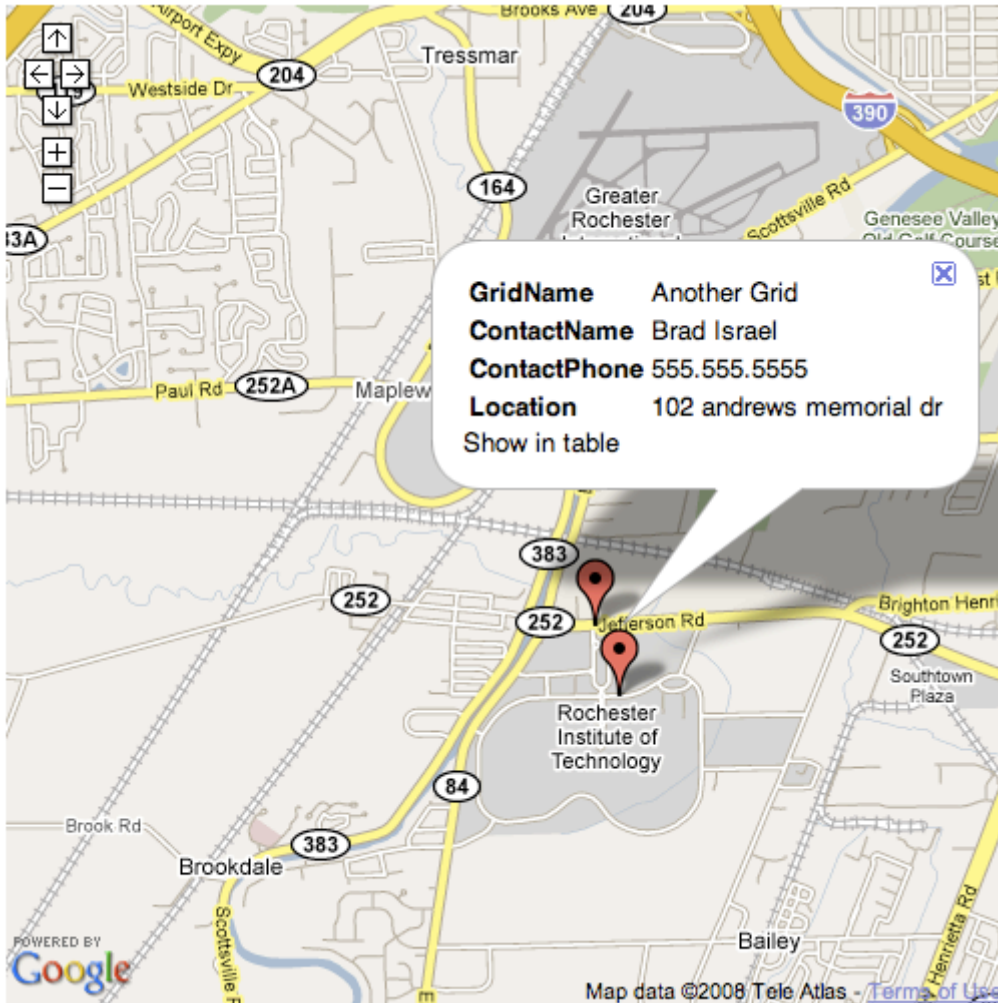
The Goal

- Easily access information about the resources and computing power of clusters and grids.

Benchmarking Grids

- Web Services
 - Collect Grid Data
 - Serve Grid Data
- Web Client
- Benchmark Management
- Benchmarks





ExampleGrid
 New Grid

Show on map

GridName New Grid
ContactName Jon Ludwig
ContactPhone 555.555.5555
Location 511 old post rd

▼ Big Machines

Hostname	OS	Kernel	CPU	TotalMem	TotalDisk	MG	FT	IS	BT
holly		5.10	sparc		GB	6ms	6ms	4ms	5ms
queeg		5.10	sparc		GB	6ms	19ms	7ms	54ms

▼ CS RIT

Hostname	OS	Kernel	CPU	TotalMem	TotalDisk	MG	FT	IS	BT
california		5.10	i386		GB	12ms	6ms	3ms	3ms
florida		5.10	i386		GB	3ms	8ms	3ms	3ms
idaho		5.10	i386		GB	3ms	4ms	4ms	3ms
illinois		5.10	i386		GB	4ms	3ms	3ms	3ms
indiana		5.10	i386		GB	2ms	7ms	19ms	6ms
kansas		5.10	i386		GB	17ms	3ms	5ms	4ms
maine		5.10	i386		GB	3ms	3ms	3ms	3ms
newyork		5.10	i386		GB	4ms	3ms	4ms	4ms
vermont		5.10	i386		GB	16ms	3ms	6ms	4ms

Another Grid

Demo!