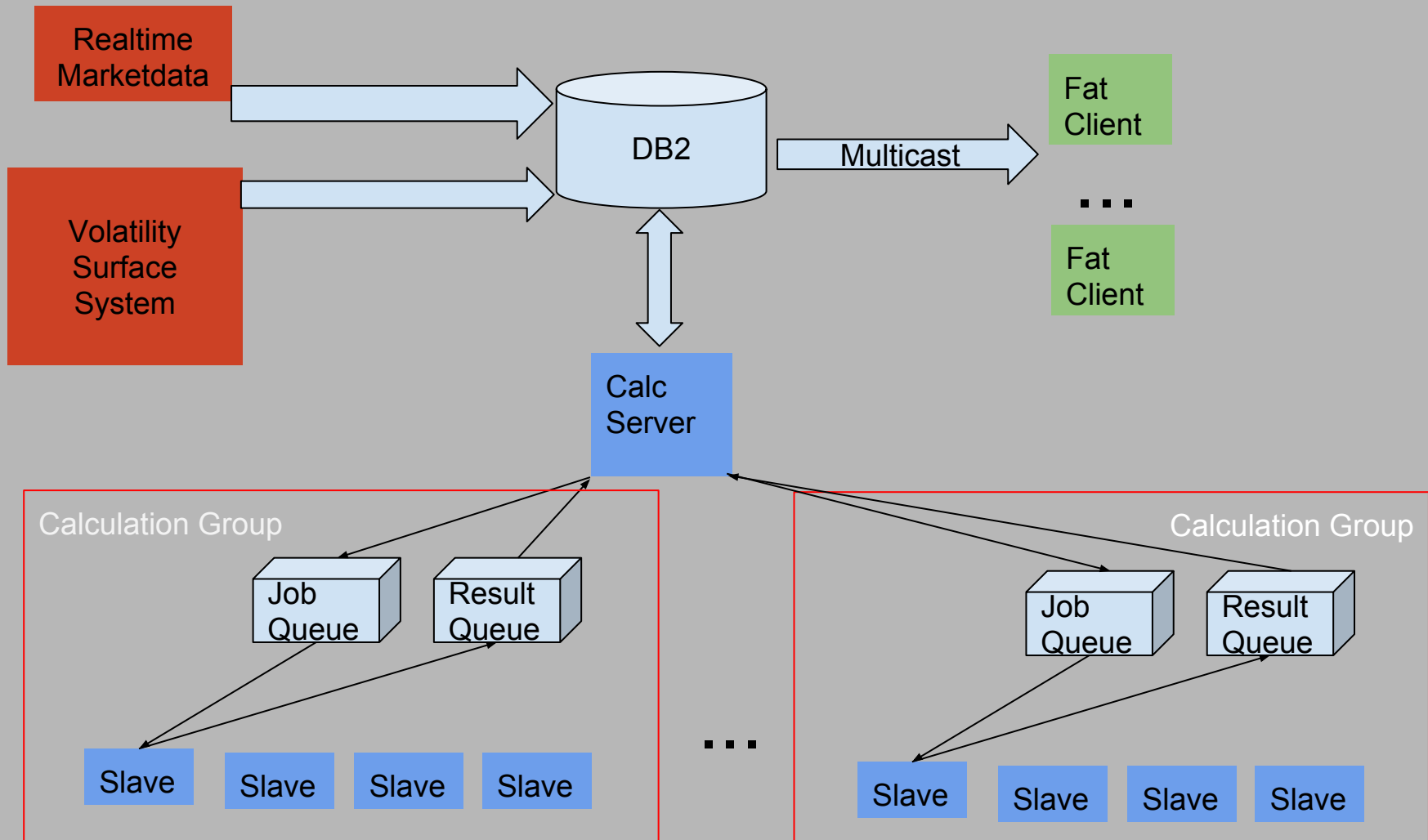
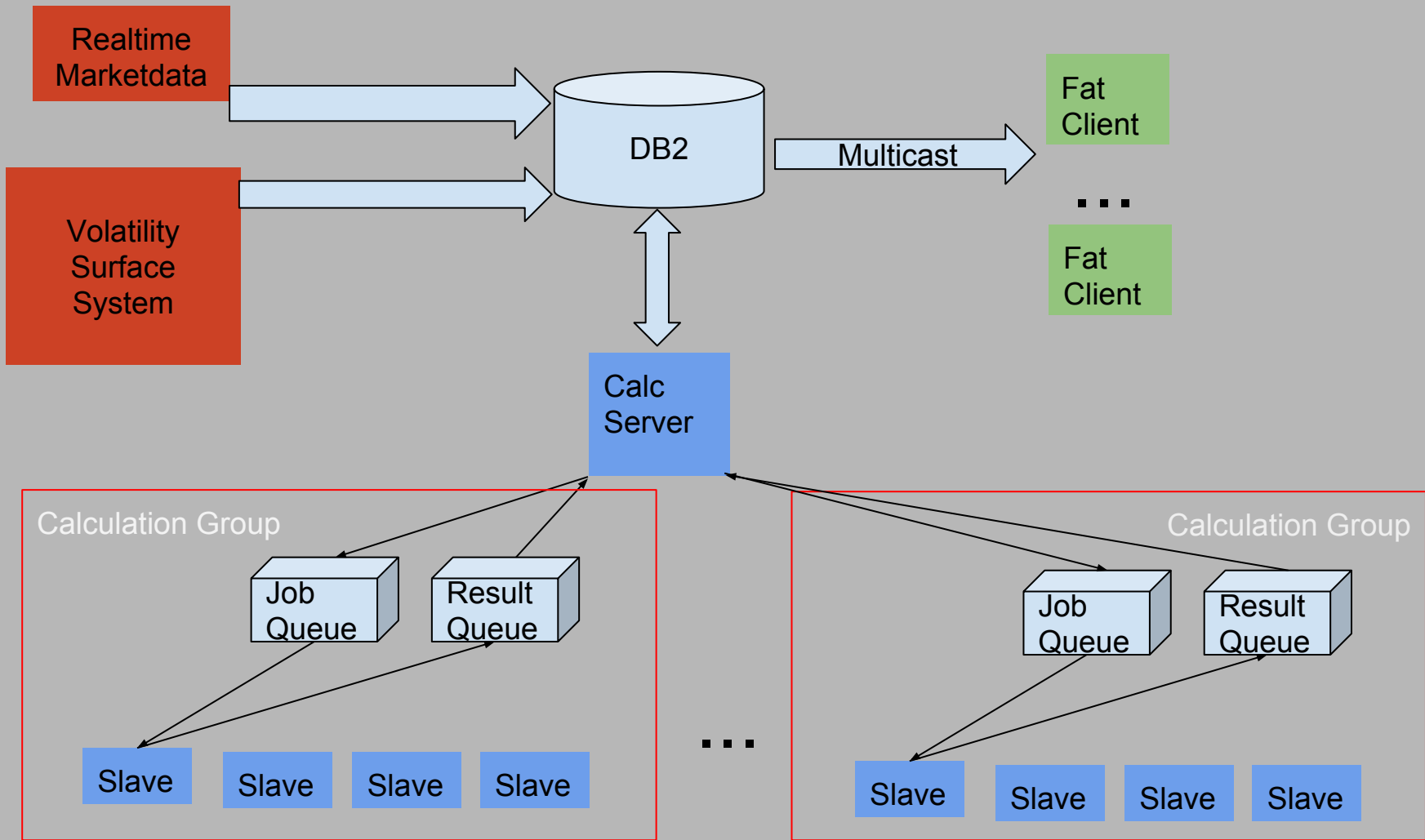
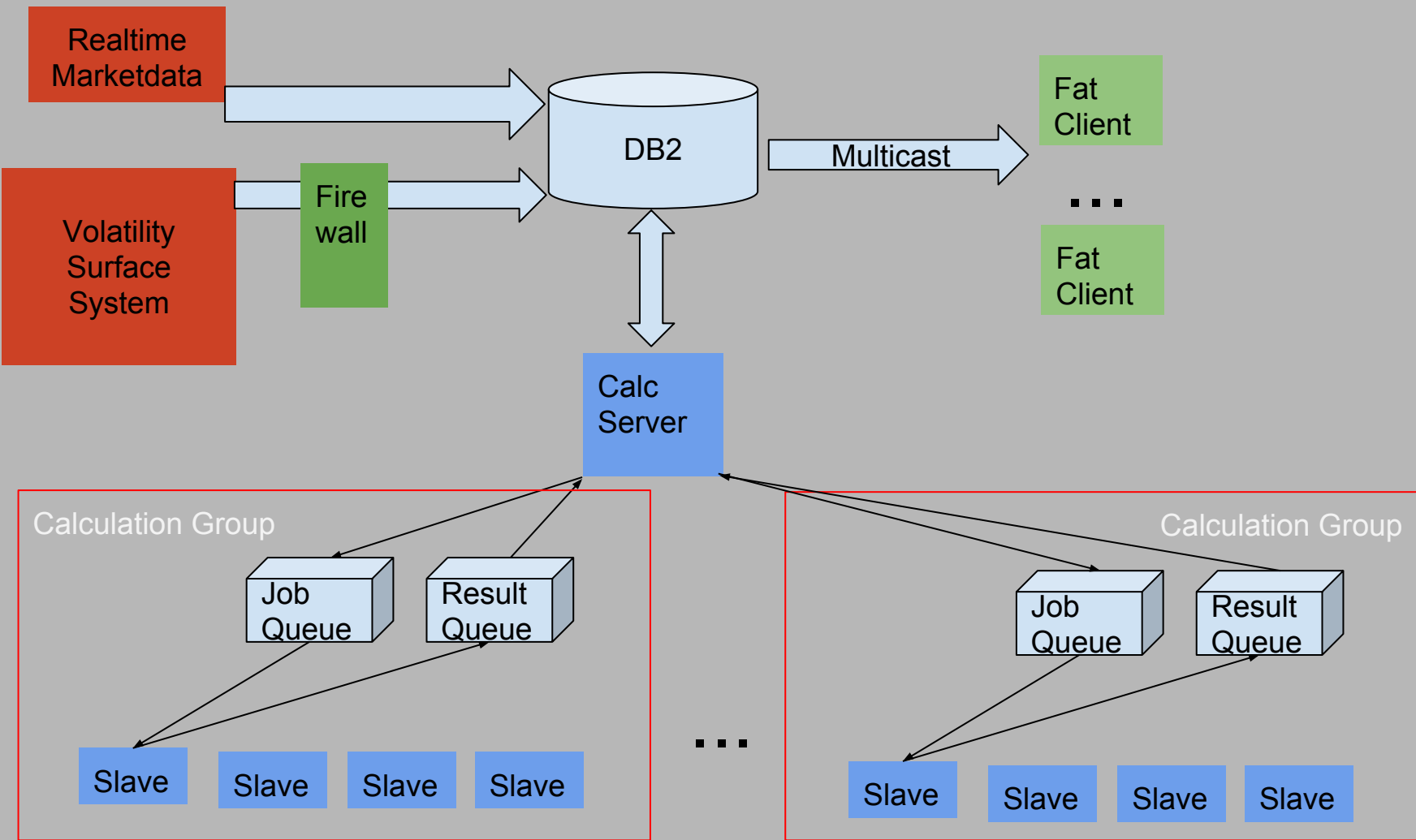


Euclid 1 - Architecture



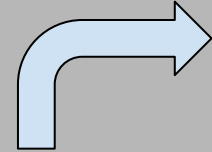






What is the most important requirement?

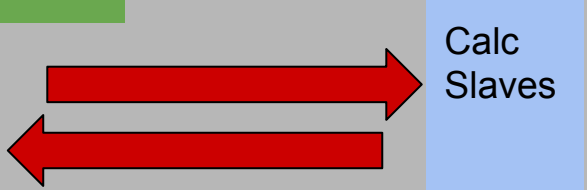
consistency



snapshot market data/portfolio

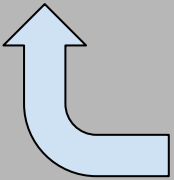
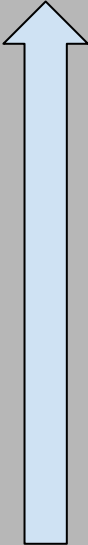
create calculation jobs

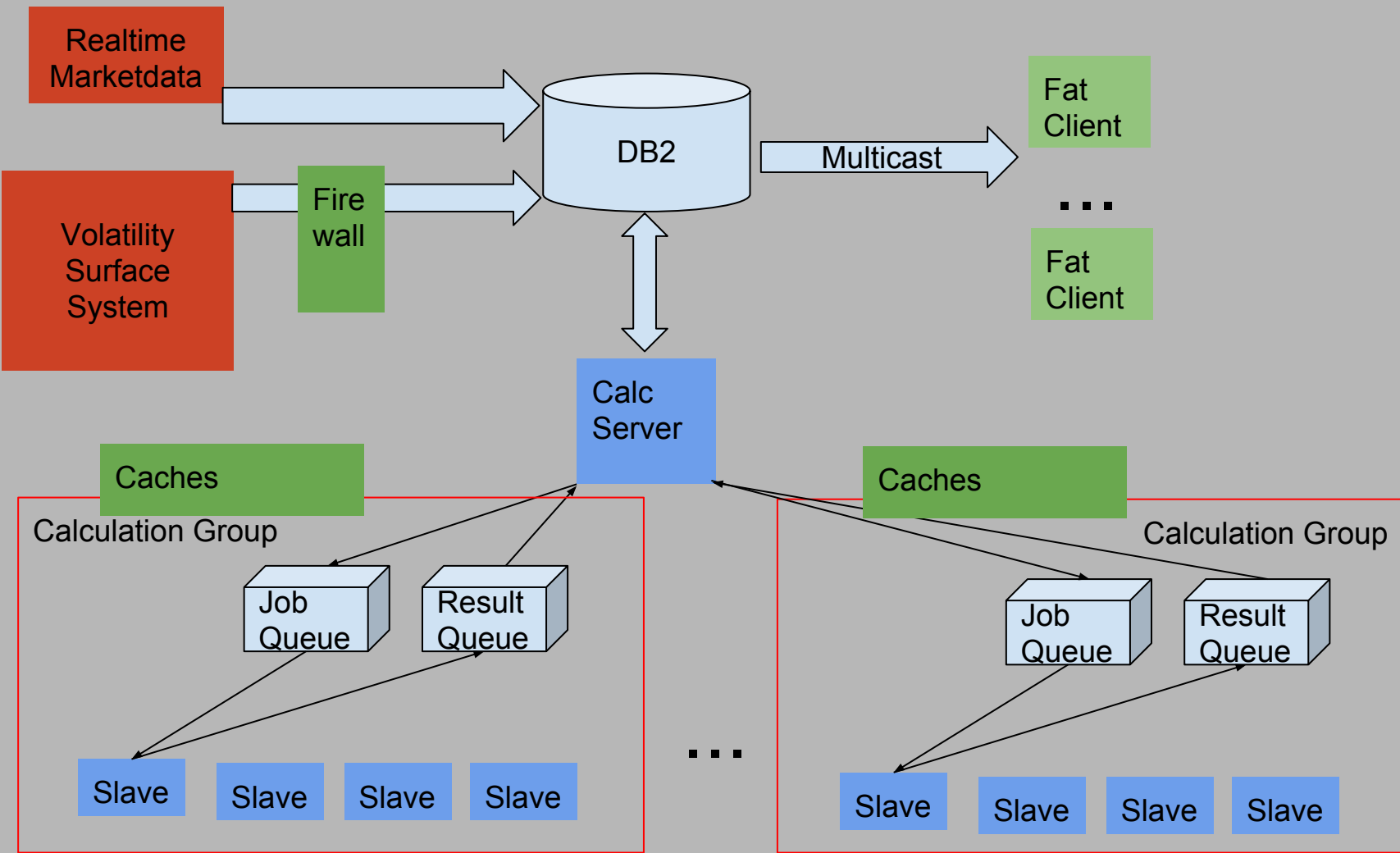
enqueue



wait for results

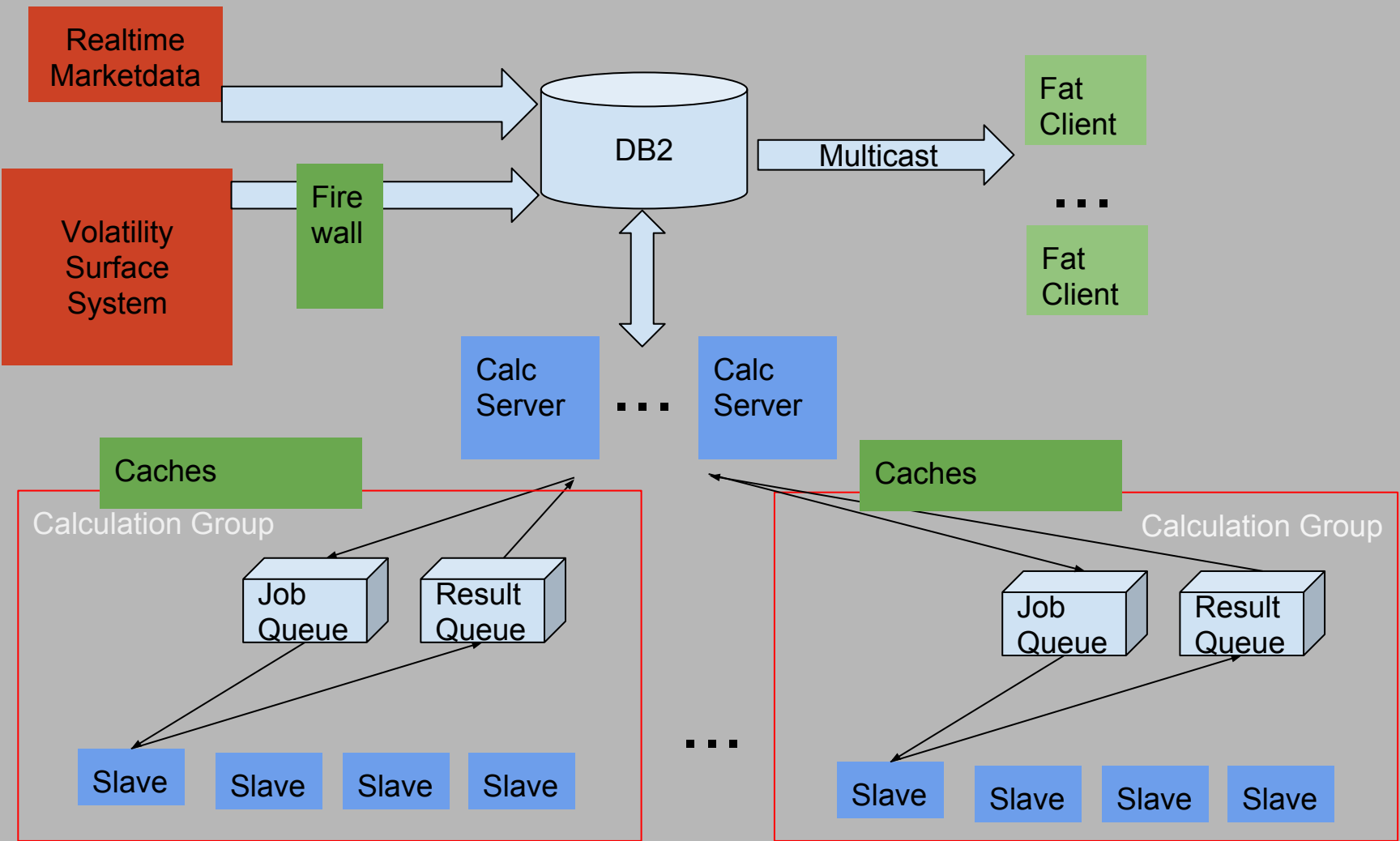
aggregate and publish





Quant issues

- Building a model
- Interface of the model to the system
- Internal or external greeks
 - Internal is easier w.r.t. Closed form models
 - External bumping makes parallelisation easier / more scalable (smaller jobs)
 - (cycle time is determined by longest running job)



I'm a bear of very
little brain, and
complex systems
bother me.



“When you are a Bear of Very Little Brain, and you Think of Things, you find sometimes that a Thing which seemed very Thingish inside you is quite different when it gets out into the open and has other people looking at it.”

— A.A. Milne, Winnie-the-Pooh



Source: Wikipedia