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Audience





Scale-out real-time risk aggregation





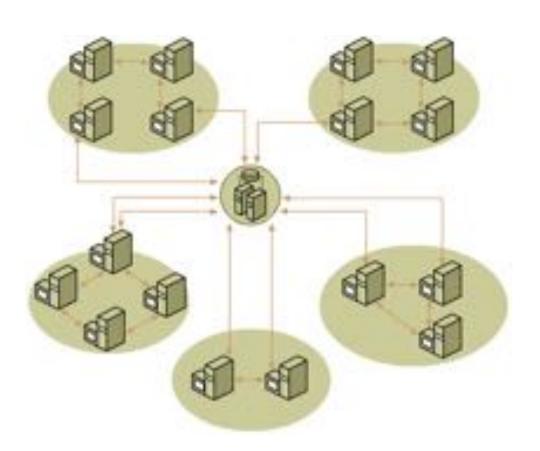
Evolution of Systems

Mainframe **Database** 2 -> 3 Tier Two-tier Three tier Architecture Architecture (1) Client (1) Client Presentation (2) Server (2) Server (3) Data Server Date 1960s 1980s 1990s



Big Data benefits

- Fault tolerance
- Scale out
- Performance
- Global replication
- (Streaming)











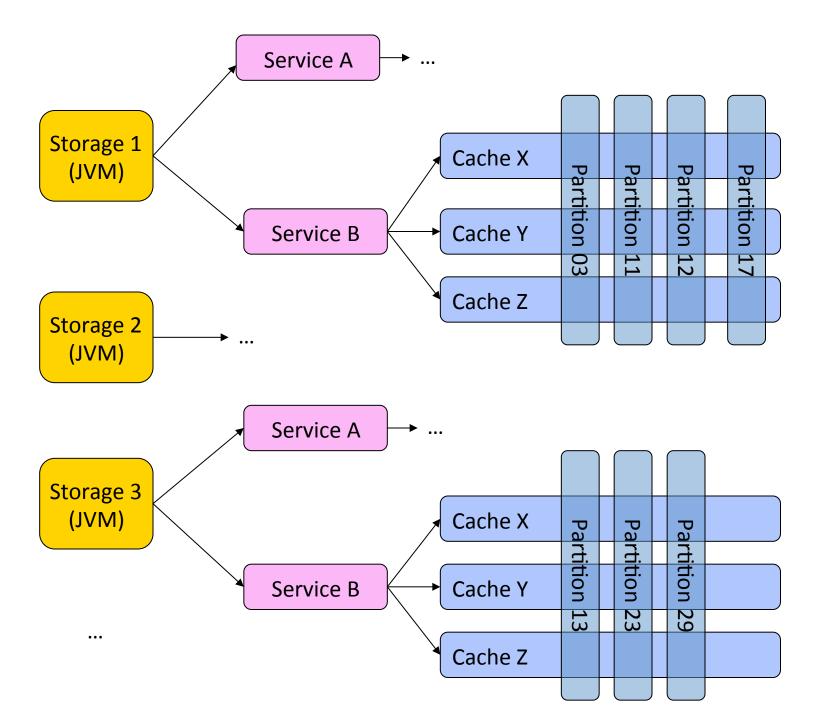
Technology barrier

Streaming Data



Request / Response







Rogue Node Problem

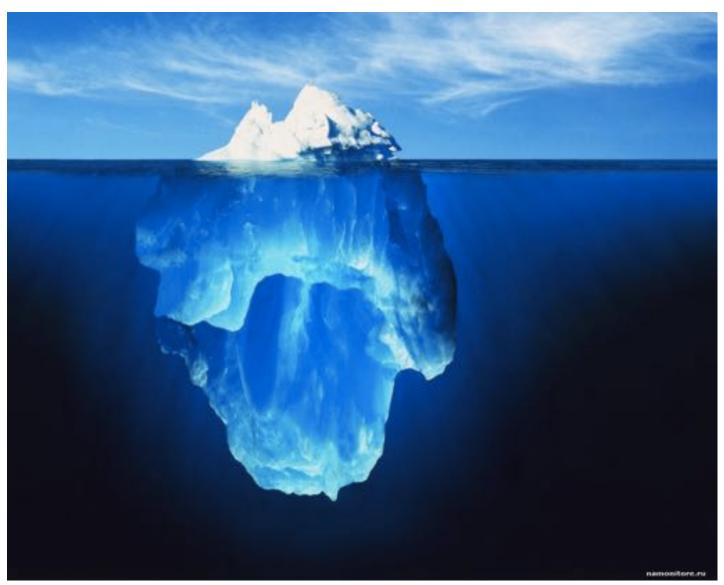




Rogue Node Problem







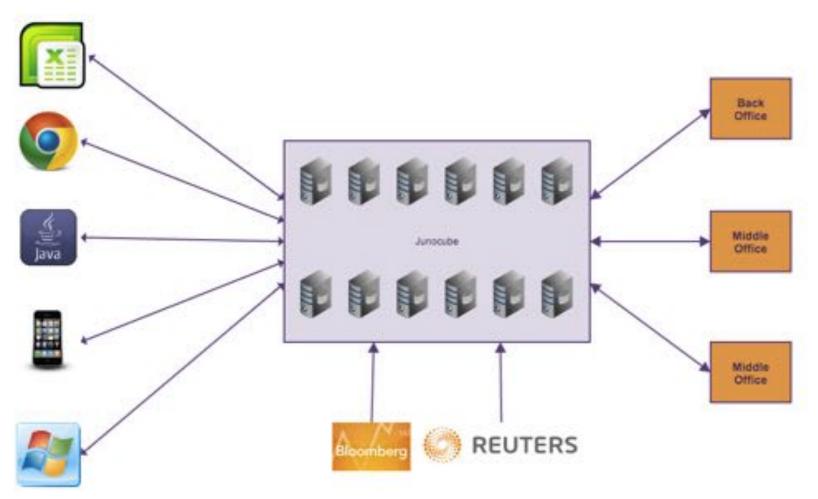


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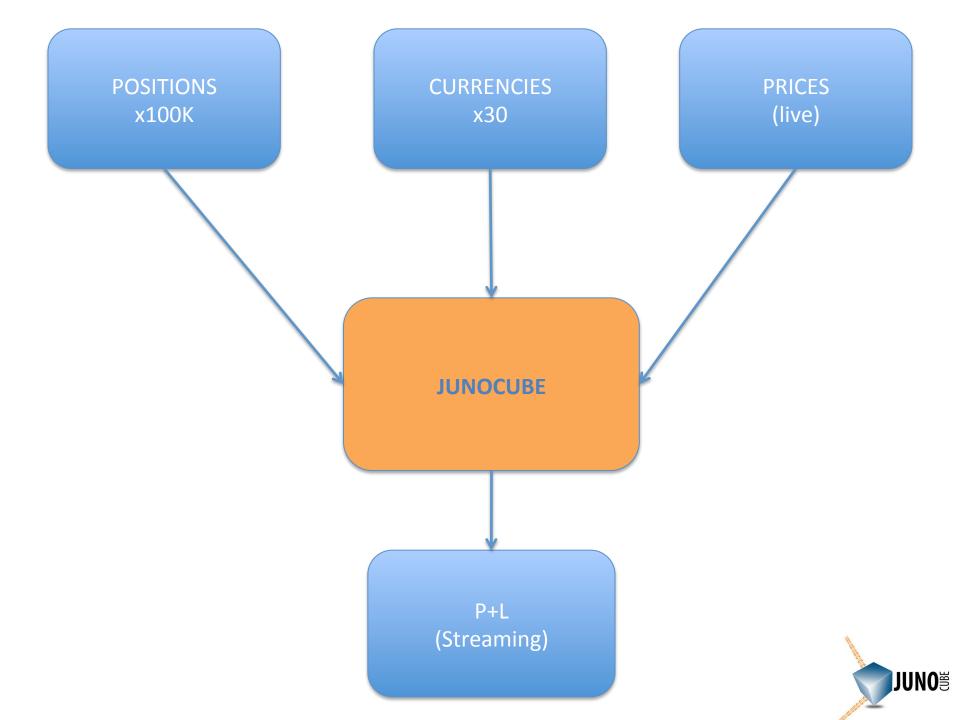
- Big Data Database
- Scalable CEP Engine
- Joins
- Streaming real-time
- Risk Aggregation
- (PivotTable)



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Demo

- Schema solution (no coding) Matrixes
- Joins
- Real-time (streaming)
- Deltas
- Performance
- Scale out
- Fault tolerance
- API (Operations / Pricing models)
- Security
- Monitoring / Management



Splunk

