

Big Data meets Fast Data: an scalable hybrid real-time transactional and analytics solution



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**GREENPLUM
DATABASE**

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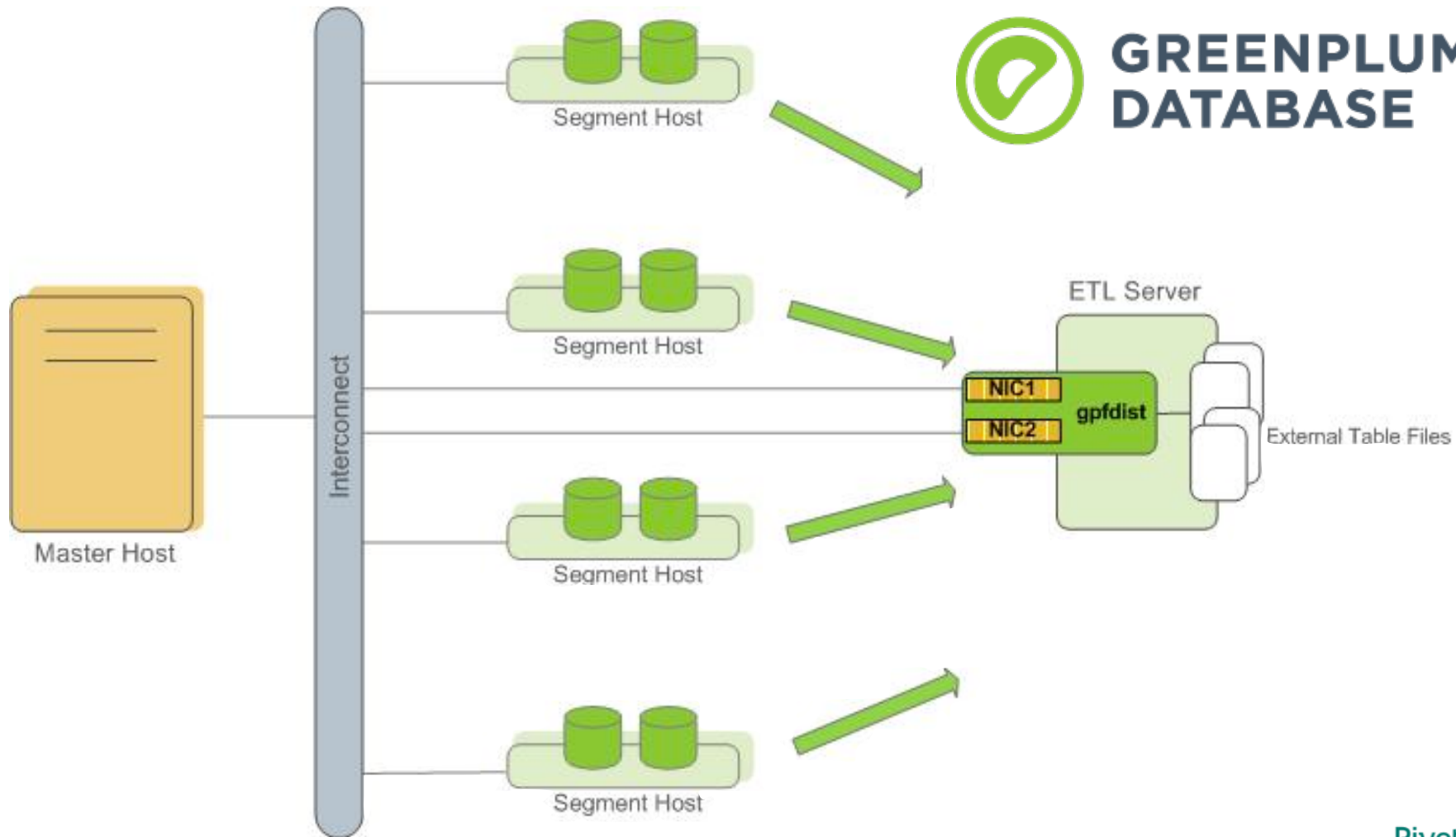






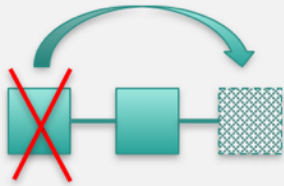


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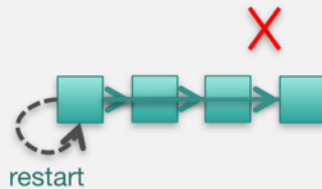




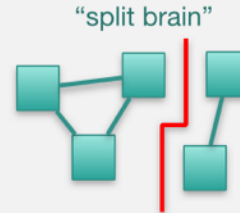
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Failing data copies are replaced transparently



Failed function executions are restarted automatically



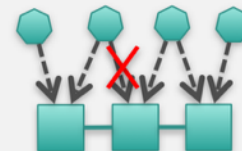
Network segmentations are identified and fixed automatically



Data is replicated to other clusters and sites (WAN)



Data is persisted on local disk for ultimate durability



Client and cluster disconnections are handled gracefully



Pivotal. GemFire



China Railway Corporation

5,700 train stations
4.5 million tickets per day
20 million daily users
1.4 billion page views per day
40,000 visits per second



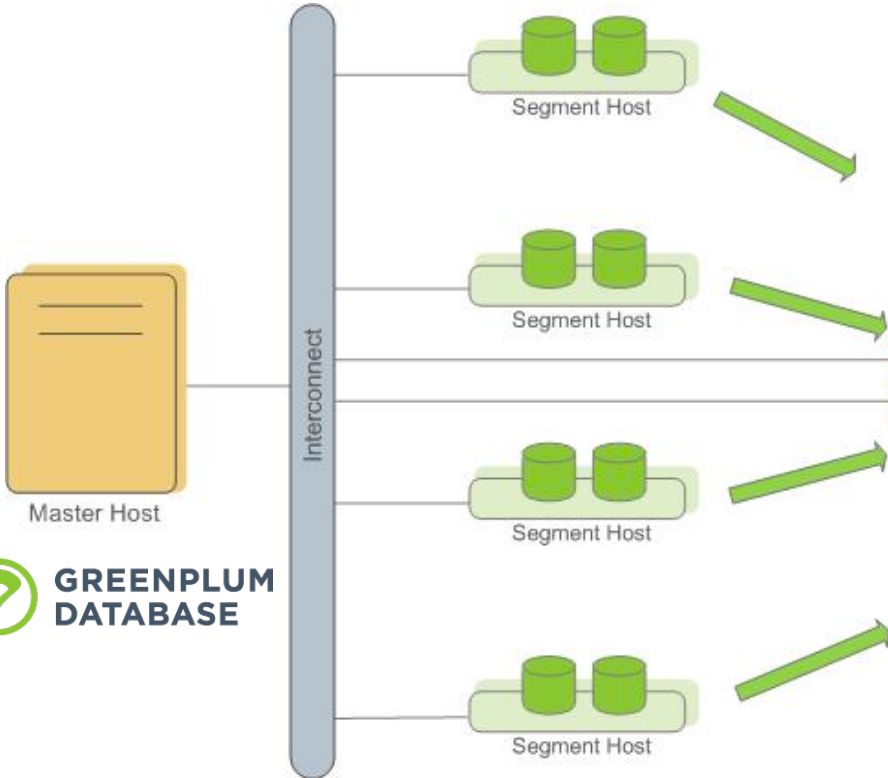
Indian Railways

7,000 stations
72,000 miles of track
23 million passengers daily
120,000 concurrent users
10,000 transactions per minute

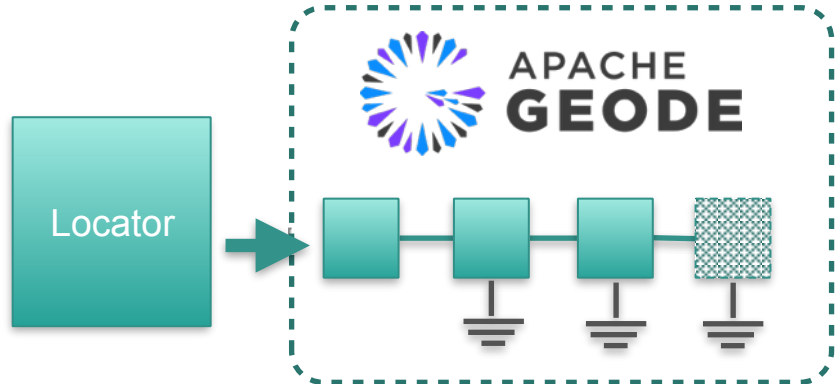
World: ~7,349,000,000

~36% of the world population

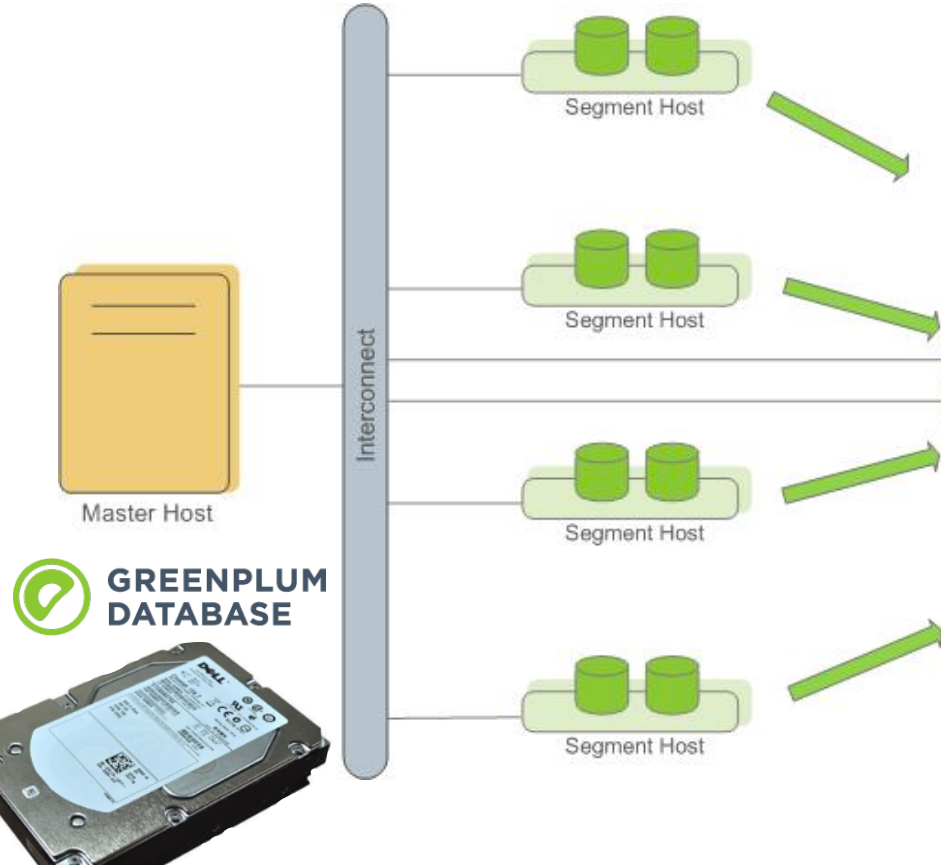
Up to Petabytes



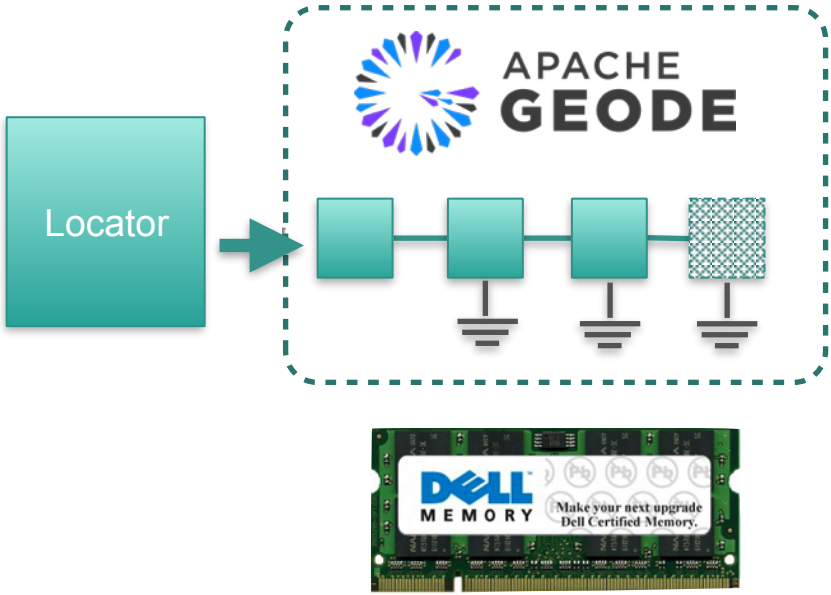
Up to Terabytes

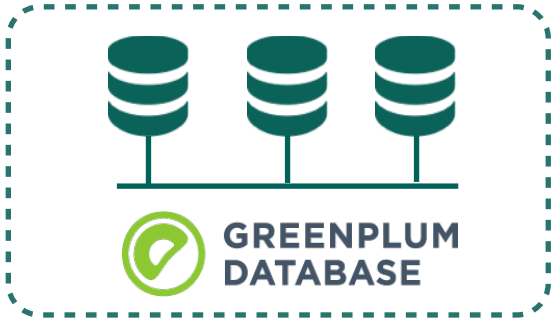
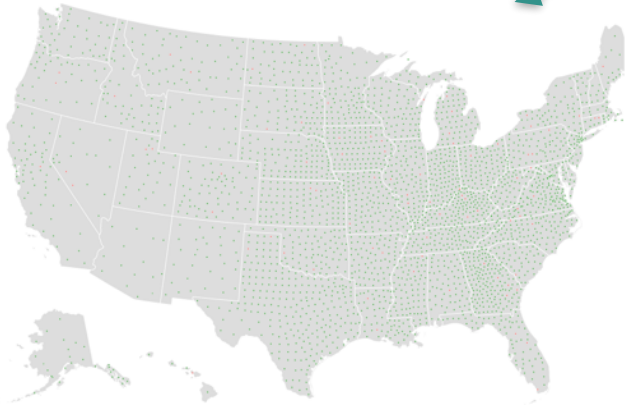
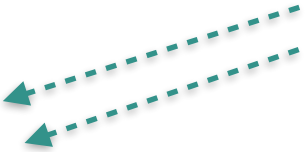
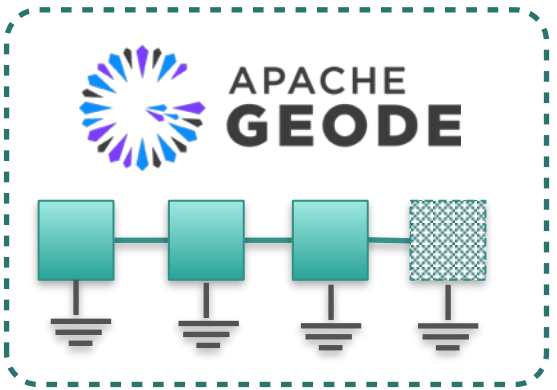


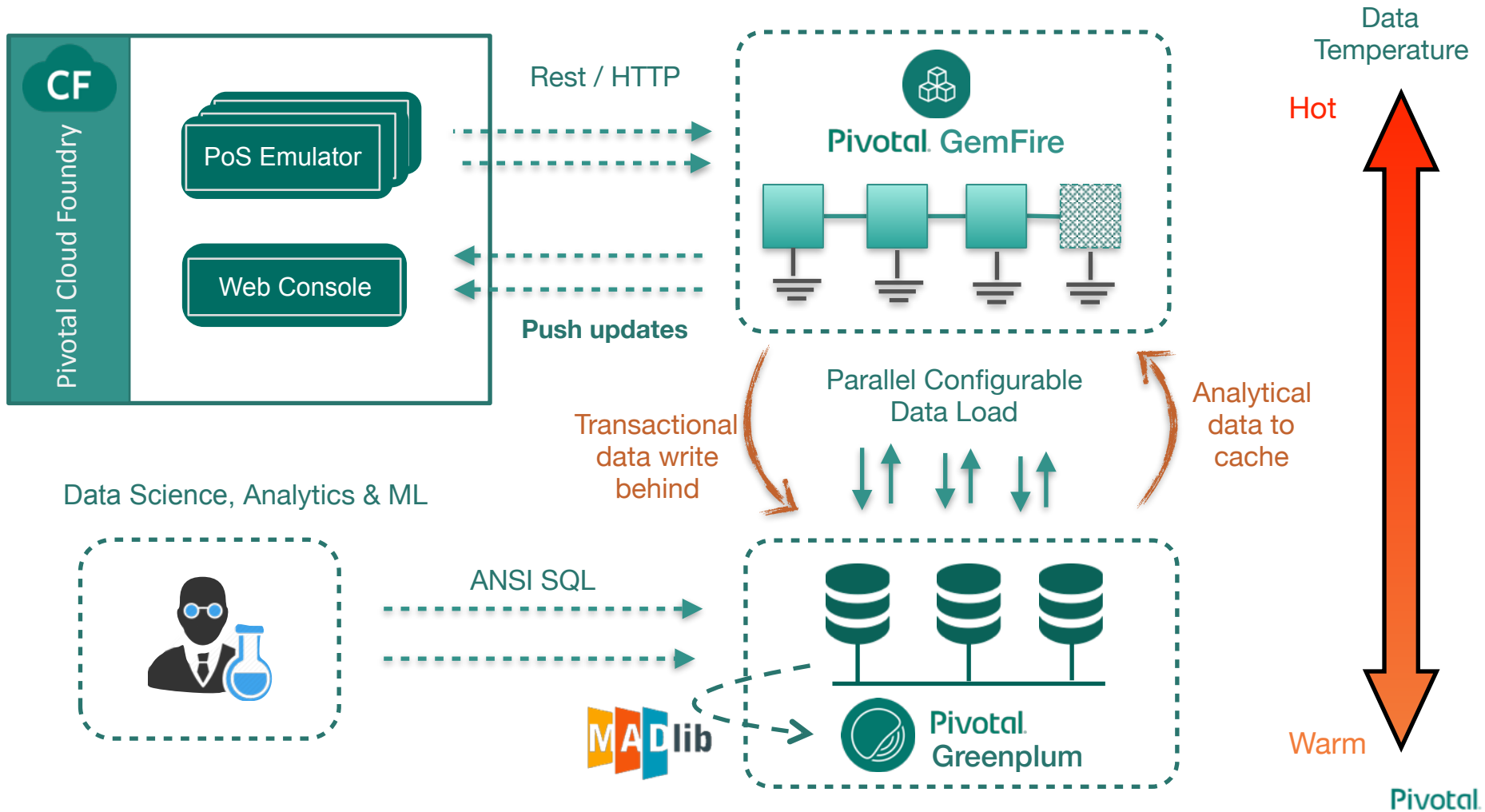
Up to Petabytes

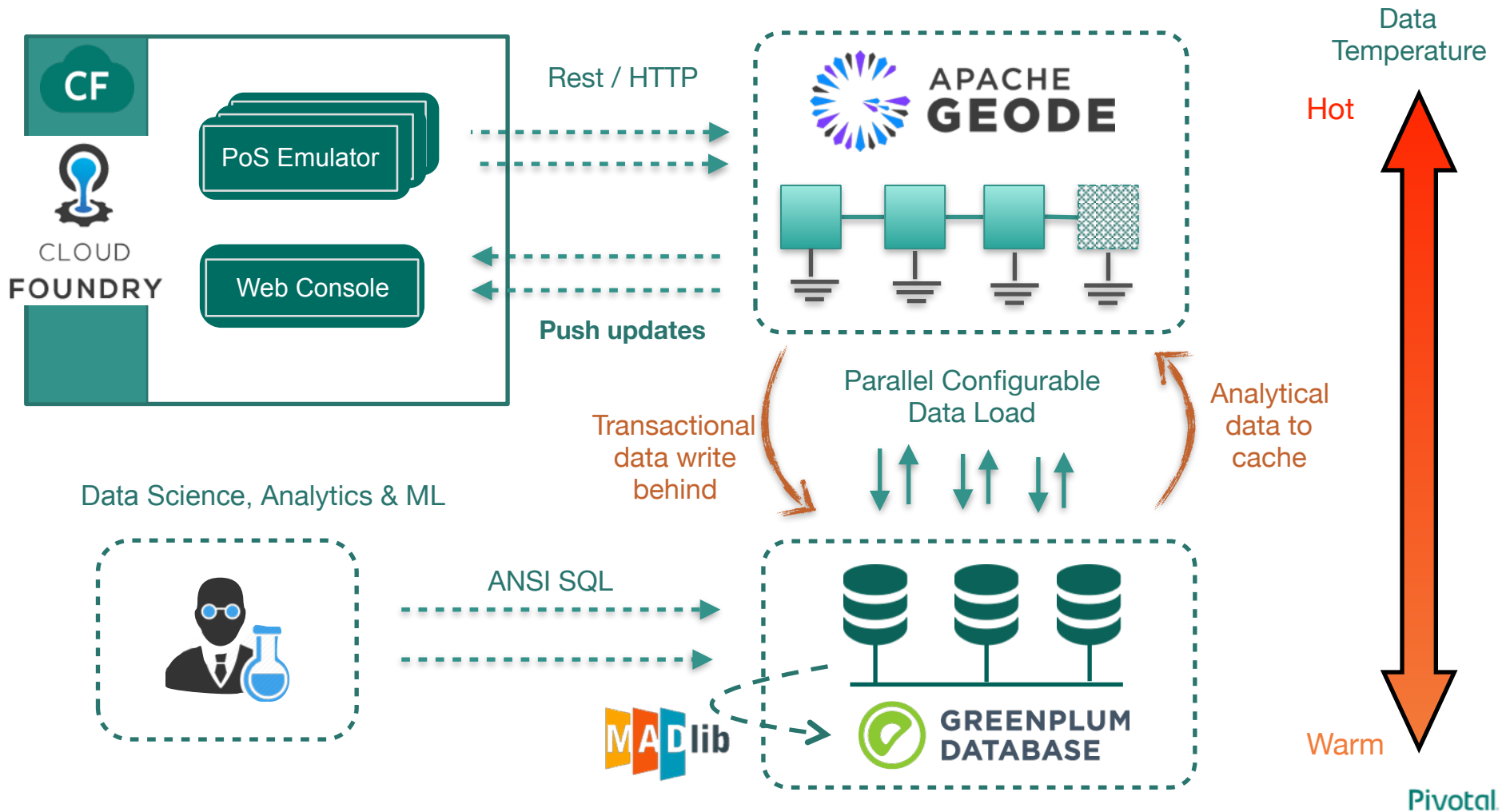


Up to Terabytes

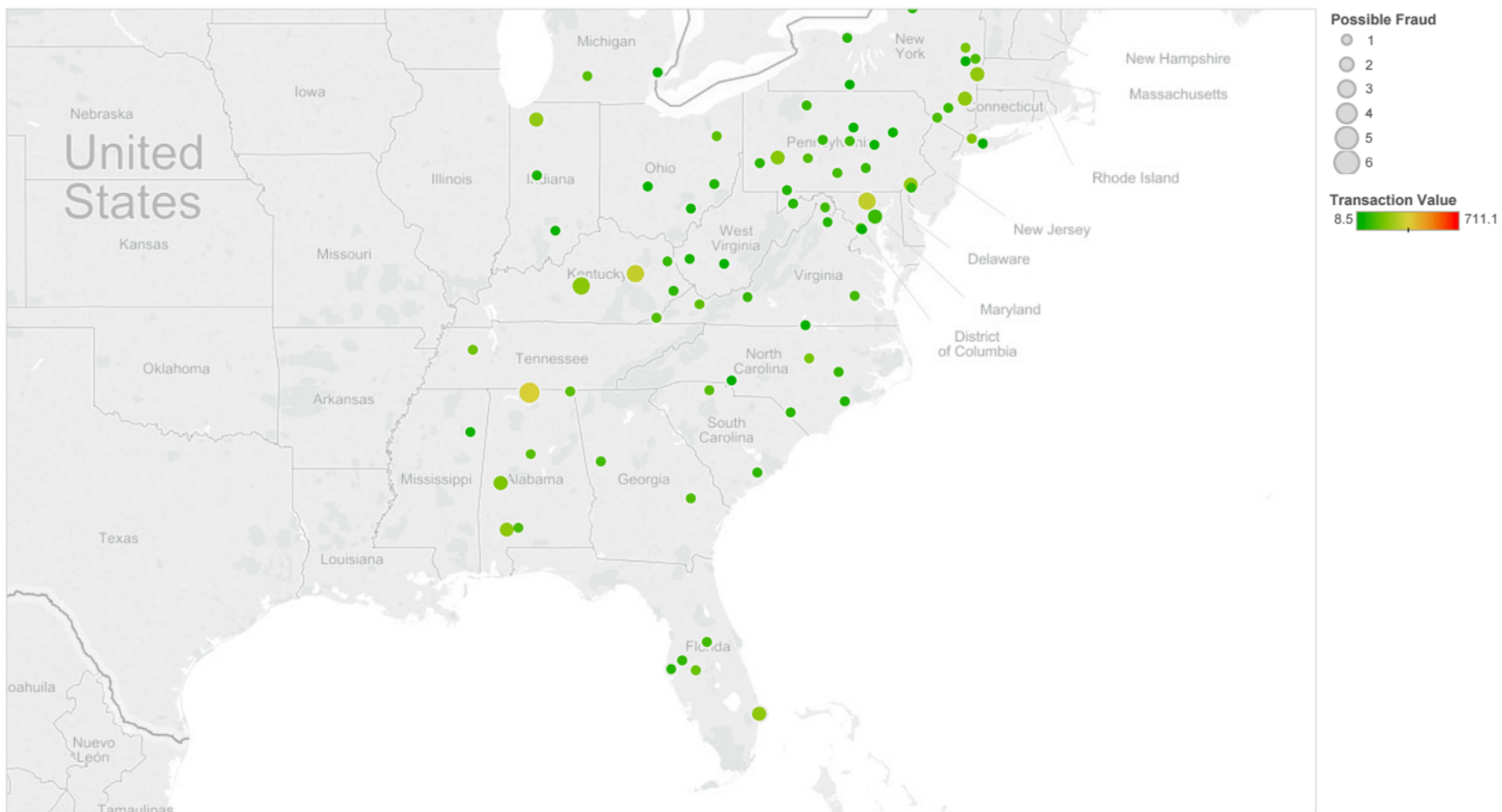






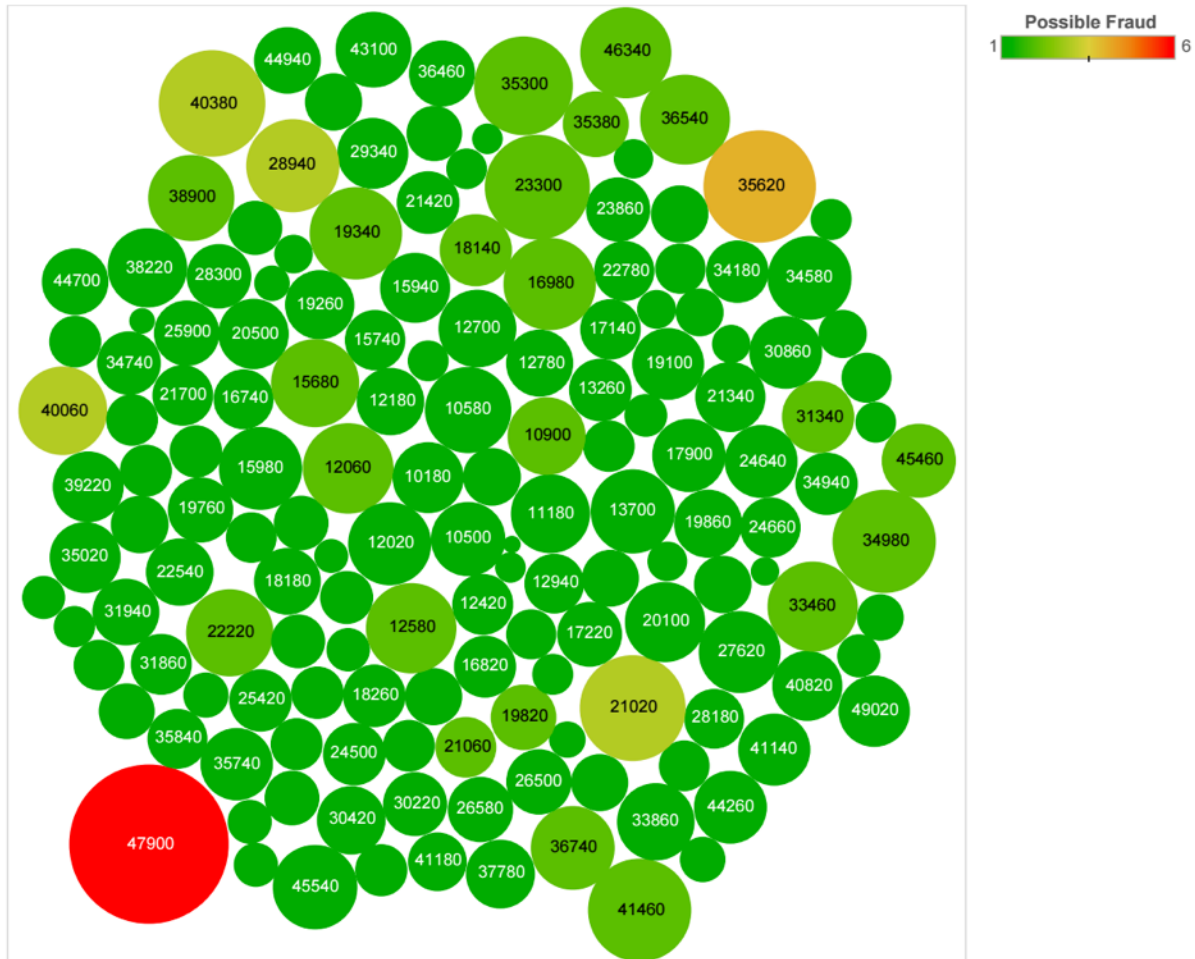


Fraud Locations



Map based on Longitude (generated) and Latitude (generated). Color shows sum of Transaction Value. Size shows sum of Possible Fraud. Details are shown for Zipcode.

Fraud Qty and Financial Impact



Zipcode. Color shows sum of Possible Fraud. Size shows sum of Transaction Value. The marks are labeled by Zipcode.



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github.com/apache/incubator-geode

Java, Distributed Systems



**GREENPLUM
DATABASE**

<https://github.com/greenplum-db/gpdb>

C/C++, Distributed Systems

Source code

<https://github.com/Pivotal-Open-Source-Hub>

Join our communities!

**WE'RE
HIRING!**

References

<https://github.com/Pivotal-Open-Source-Hub>

<http://greenplum.org>

<http://geode.incubator.apache.org>

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Thank you

<https://github.com/Pivotal-Open-Source-Hub>