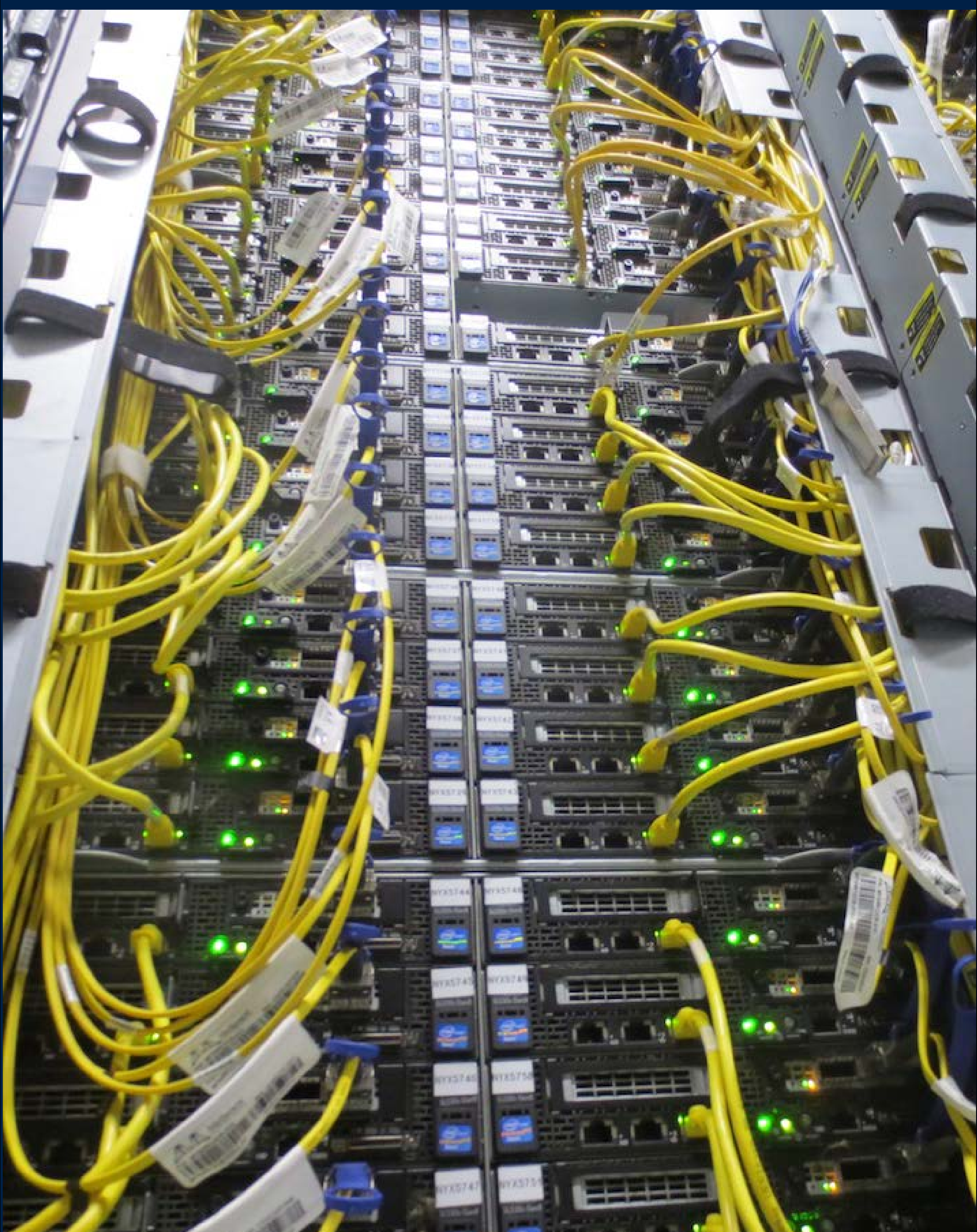


Yottabyte Research Cloud – Data Micro Services

Services to support online transaction processing and data ingestion from remote devices and analytics. Services include relational and noSQL databases, time series, text indexing, and message/data ingest queues for real-time processing.

- o Structured databases: MySQL/MariaDB, and Postgres
- o NoSQL databases: Cassandra, MongoDB, InfluxDB, Grafana, and ElasticSearch
- o Others can be built upon request.

Available: June 2017

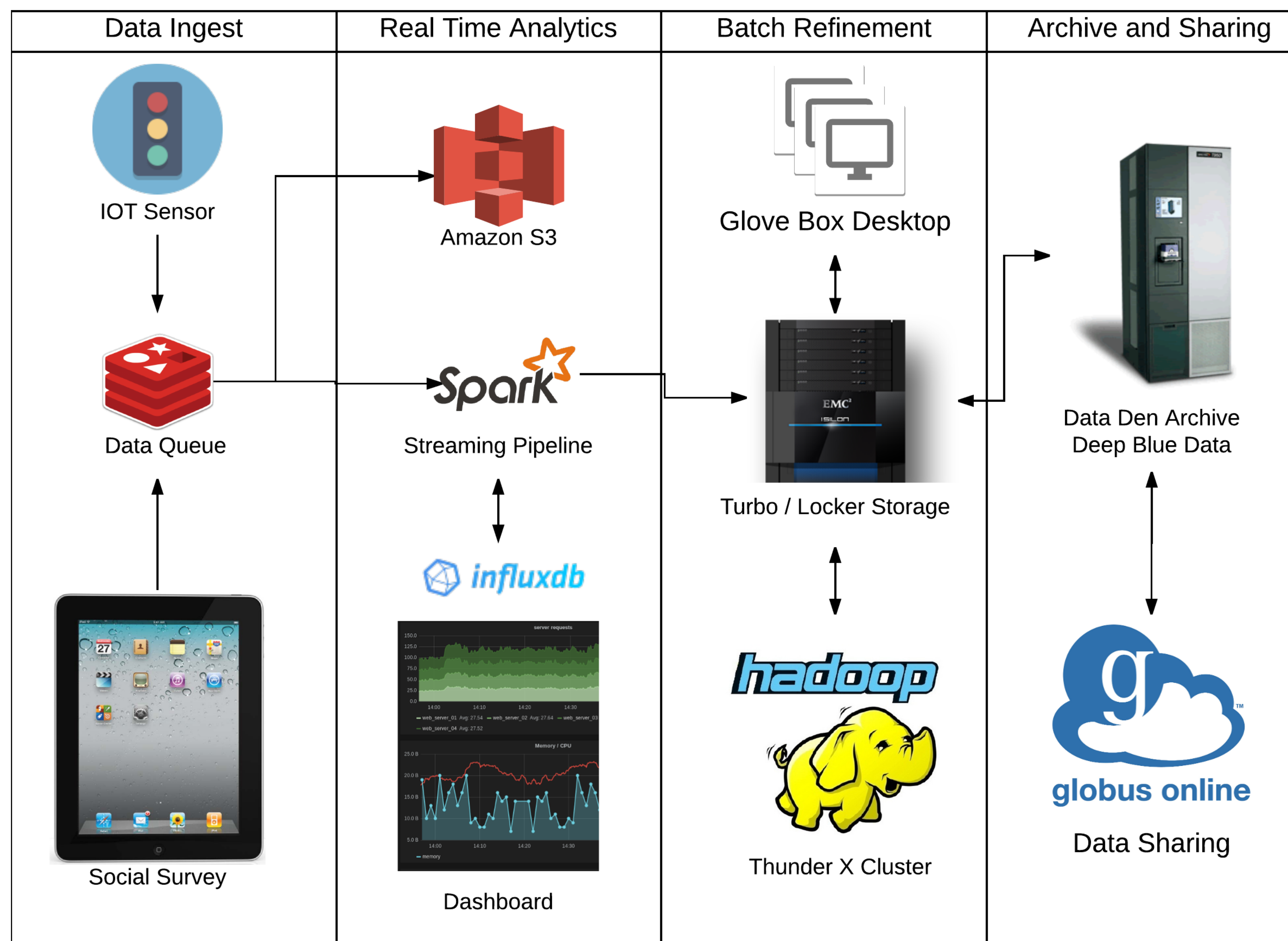


Data Services

<http://arc-ts.umich.edu> | hpc-support@umich.edu

ARC-TS provides HPC, Storage, and now Data Services for research computing to our campus community and their collaborators

Example Data Science Workflow



Big Data – Spark/Hadoop

ARC-TS provides a free Hadoop and Spark cluster to our campus.

Hadoop allows the manipulation and discovery on data that measures in to the hundreds of Tera Bytes in a number of different languages such as:

- o SQL
- o R
- o Java/Scala

Available: Now

Next Generation Big Data

A first-of-its-kind Big Data resource for academic research. Faculty can use the techniques of distributed data sets, map-reduce, and in-memory computing.

This new system bring more than 4500 CPU cores, 3PB of storage, and over 2,000 Gbps of bandwidth allowing data sets that are more than 10x larger than the current platform in less time.

Available: Service Date Not Set

