

Fink: human & computational resources

Julien @ IJCLab

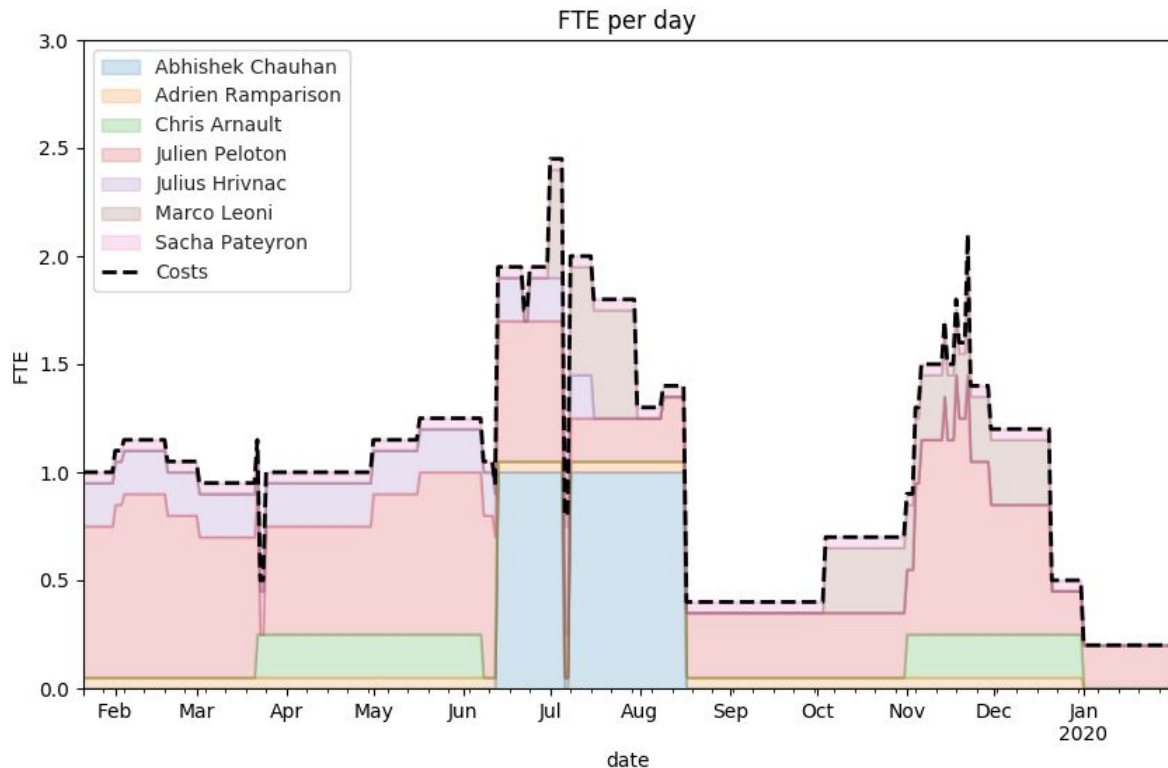
Who's behind (< 01/2020)

Main team @ IJCLab

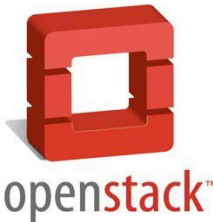
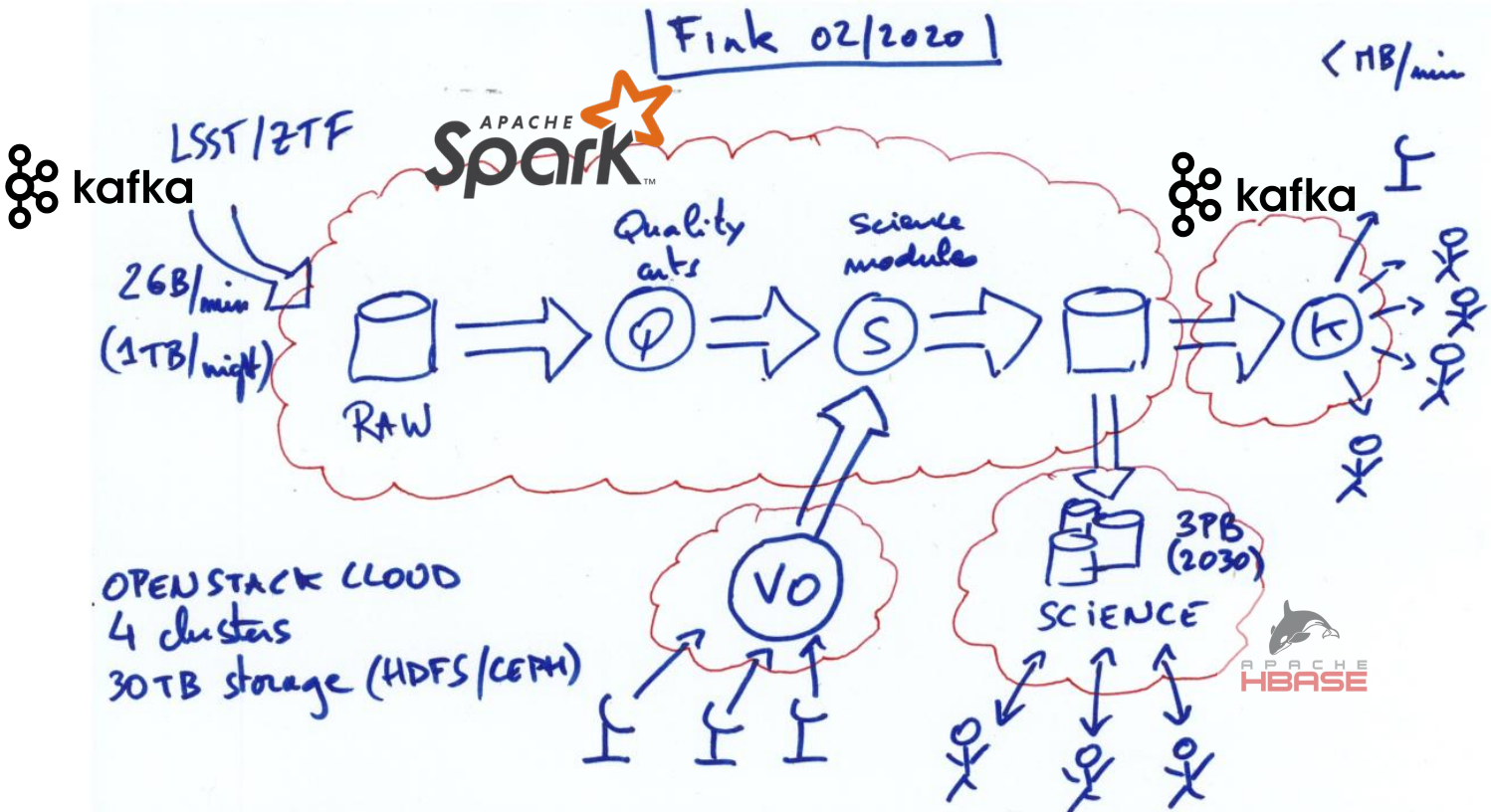
FTE from 0.5 to 2

Low number of students (we are remedying for it in 2020).

Training needed.



Fink alert processing



Prototype status

Deployed broker instance for R&D in the VirtualData Cloud (UPSaclay)

- **Communication:** Apache Kafka cluster (5 machines, 20 cores)
- **Processing:** Apache Spark cluster (11 machines, ~200 cores)
- **Science DB:** Apache HBase (1 machine, 6 cores).

Science storage: O(10)TB distributed storage (HDFS, Ceph + s3)

Deployment scripts: the broker can be deployed from scratch very quickly.

Under test: cluster (or resources) on-demand (incl. Kubernetes).

For production: Storage is the key.

