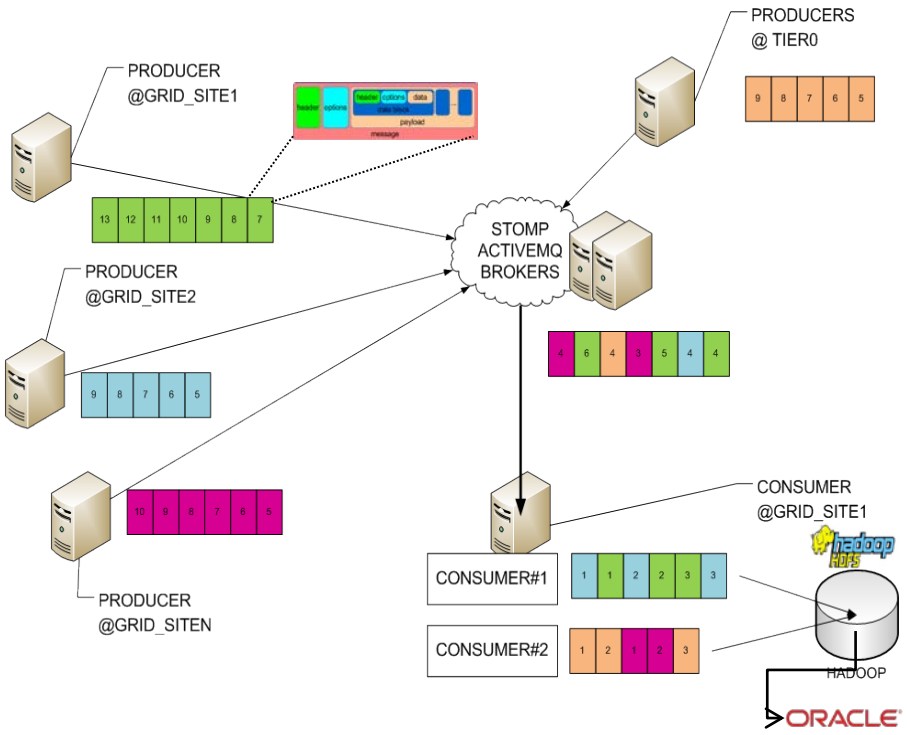
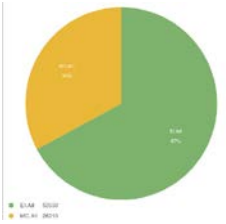
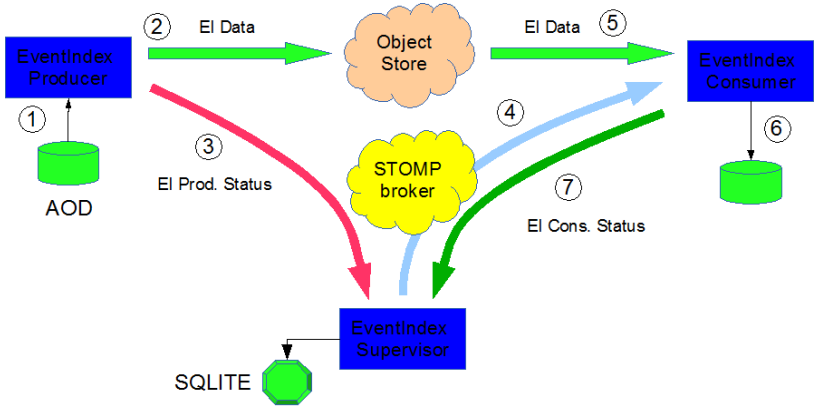
ATLAS EventIndex General Dataflow and Monitoring Infrastructure



- **Current EventIndex dataflow based on a messaging system** runs in production since mid-2015, succesfully indexing all produced events, collecting millions of messages (10^9) and thousands of datasets.
- **Monitoring is a key operation**. Operational monitoring and corrective actions are done by developers and experts. Collected Data available in Hadoop is ~80TB (50 TB Real data and 30 TB Montecarlo).



Next generation prototype based on a transient Object Store is on development, envisaged to cope with future production rates, and to improve and automate operations.



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