



DataStax Hands-On Workshop

Aaron Regis & Richard Henderson

Introducing DataStax the Company



Founded in April 2010

Santa Clara (HQ) • San Francisco • Austin
• London • Paris • Berlin • Tokyo • Sydney

Diverse customer base



Microsoft



MACQUARIE



SONY



30% + **FORTUNE 100**

Forbes

2017 World's Best
100 Cloud Companies

Gartner

Ranked #1 in multiple operational
database categories

Cloud Application Characteristics



Contextual



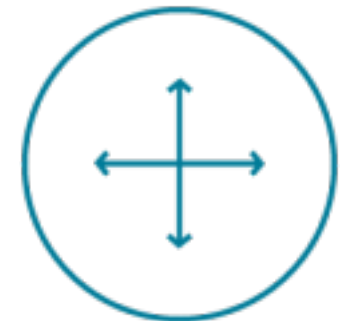
Always-On



Real-Time



Distributed



Scalable

Powering Cloud Applications

Always-on

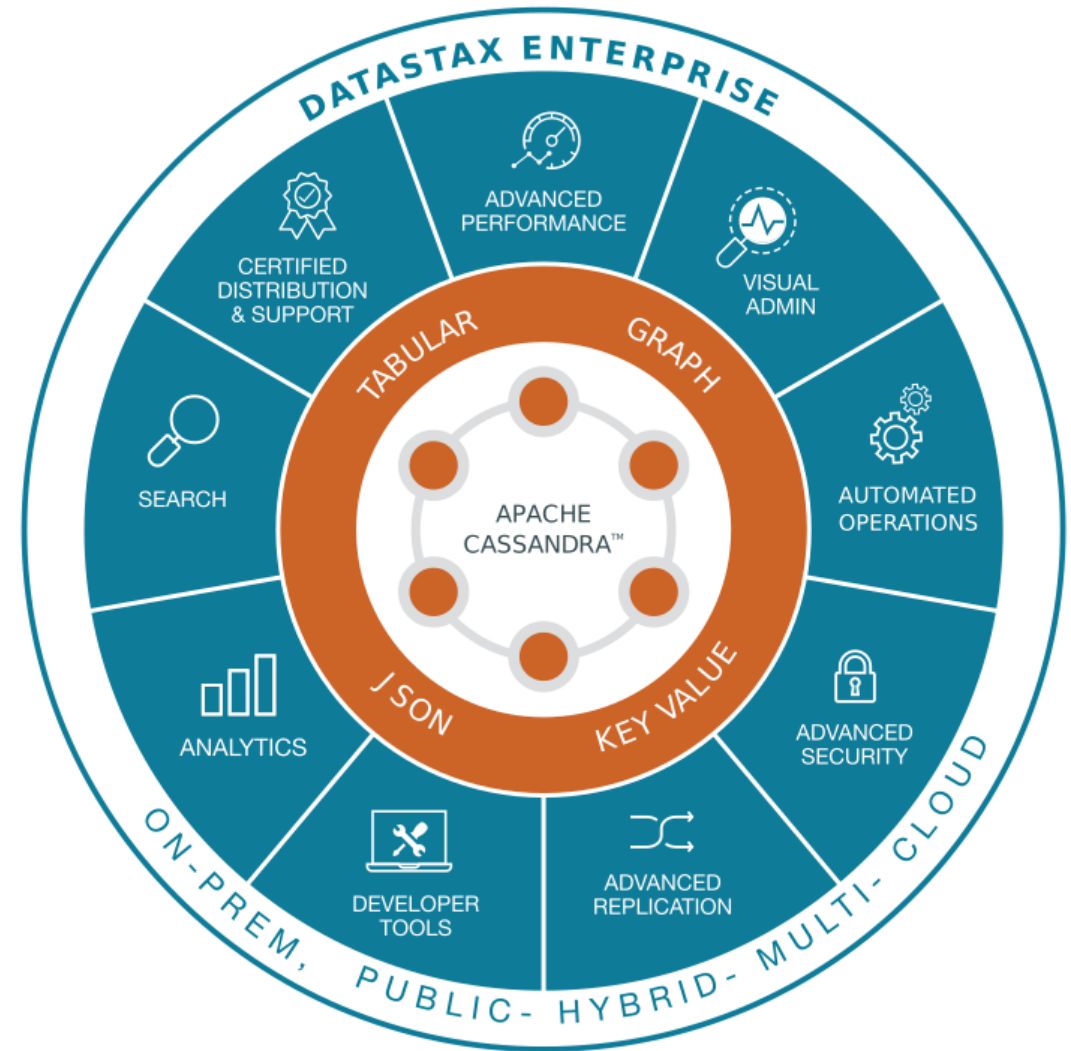
- Designed to handle any failure, no matter how catastrophic.

Effortless scale

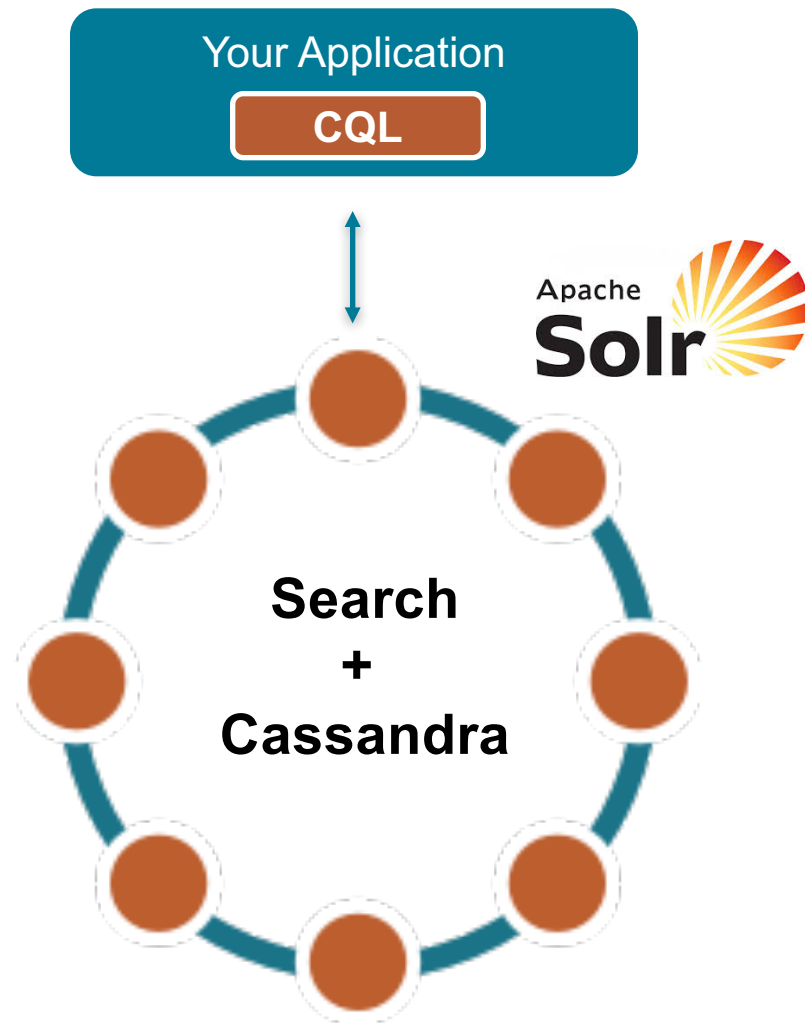
- Take advantage of every opportunity.
- Focus on what matters most to you.

Instant insight

- Built into your application to create actionable, modern experiences.



DSE Search



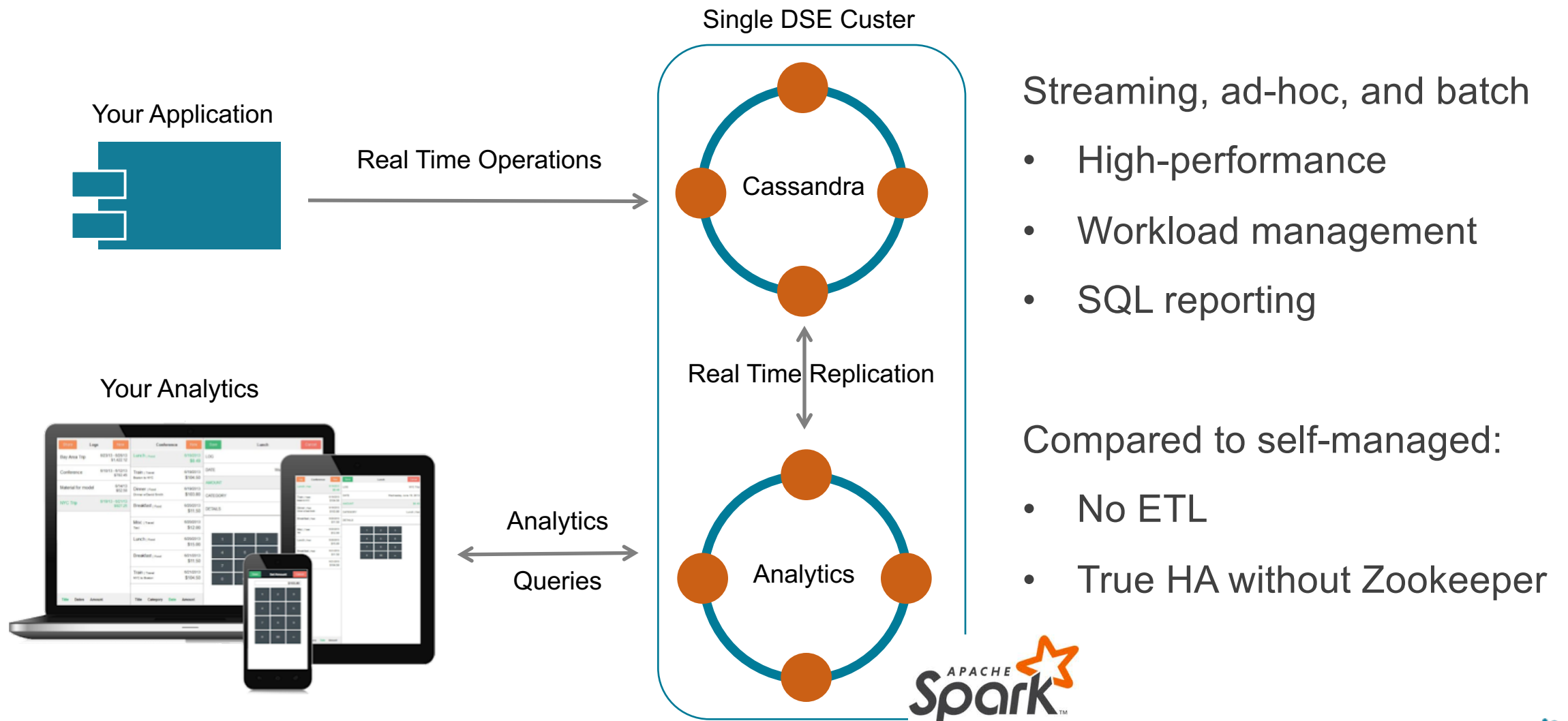
Live indexing engine with powerful search

- Automatic indexing on insert
- Higher ingestion throughput
- Distributed query optimization

Compared to self-managed:

- No separate search cluster to manage
- Probably less total hardware required
- No “Split Brain” data inconsistencies
- No ETL or synch to build and maintain
- No app level data management code

DSE Analytics



DSE Graph

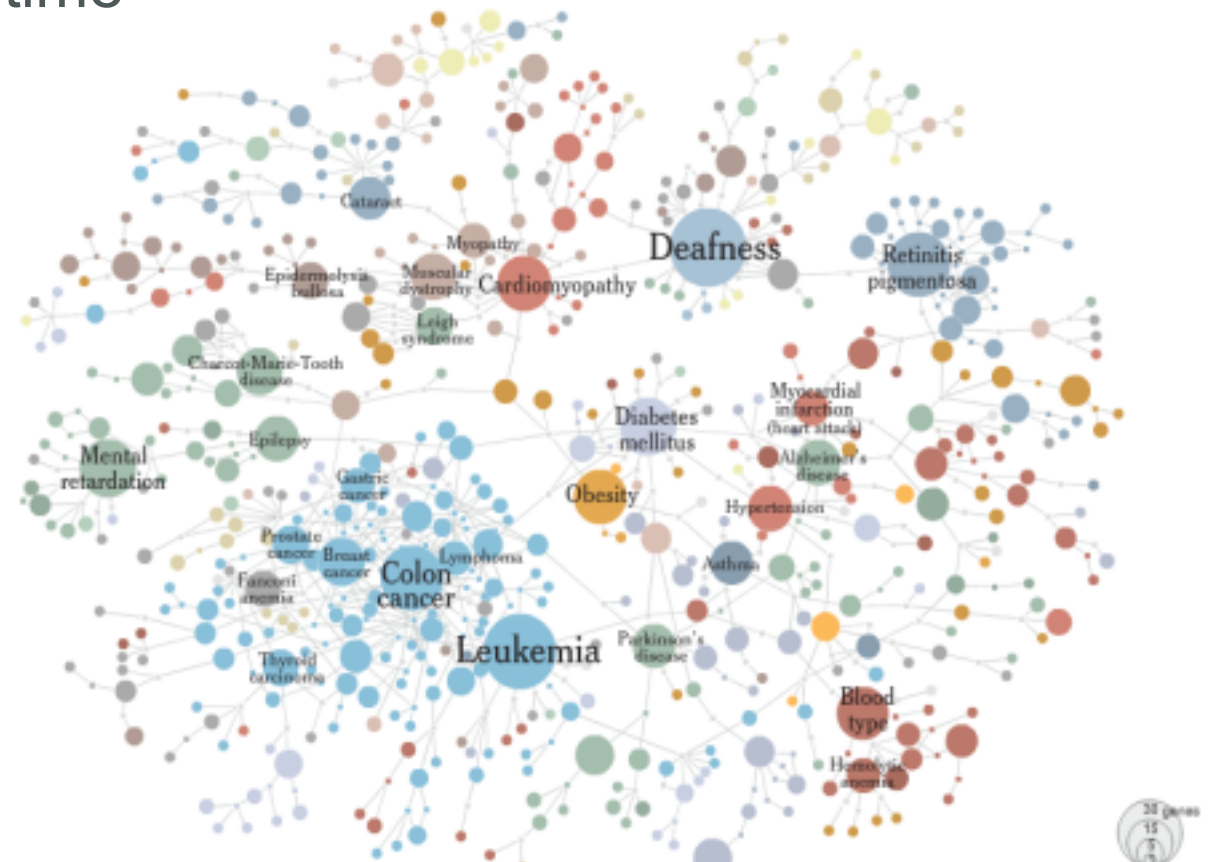
A scalable, distributed graph database that is optimized for storing, traversing and querying complex graph data in real time

- Value data between relationships
- DSE Analytics and Search integrated
- Perfect for use cases:

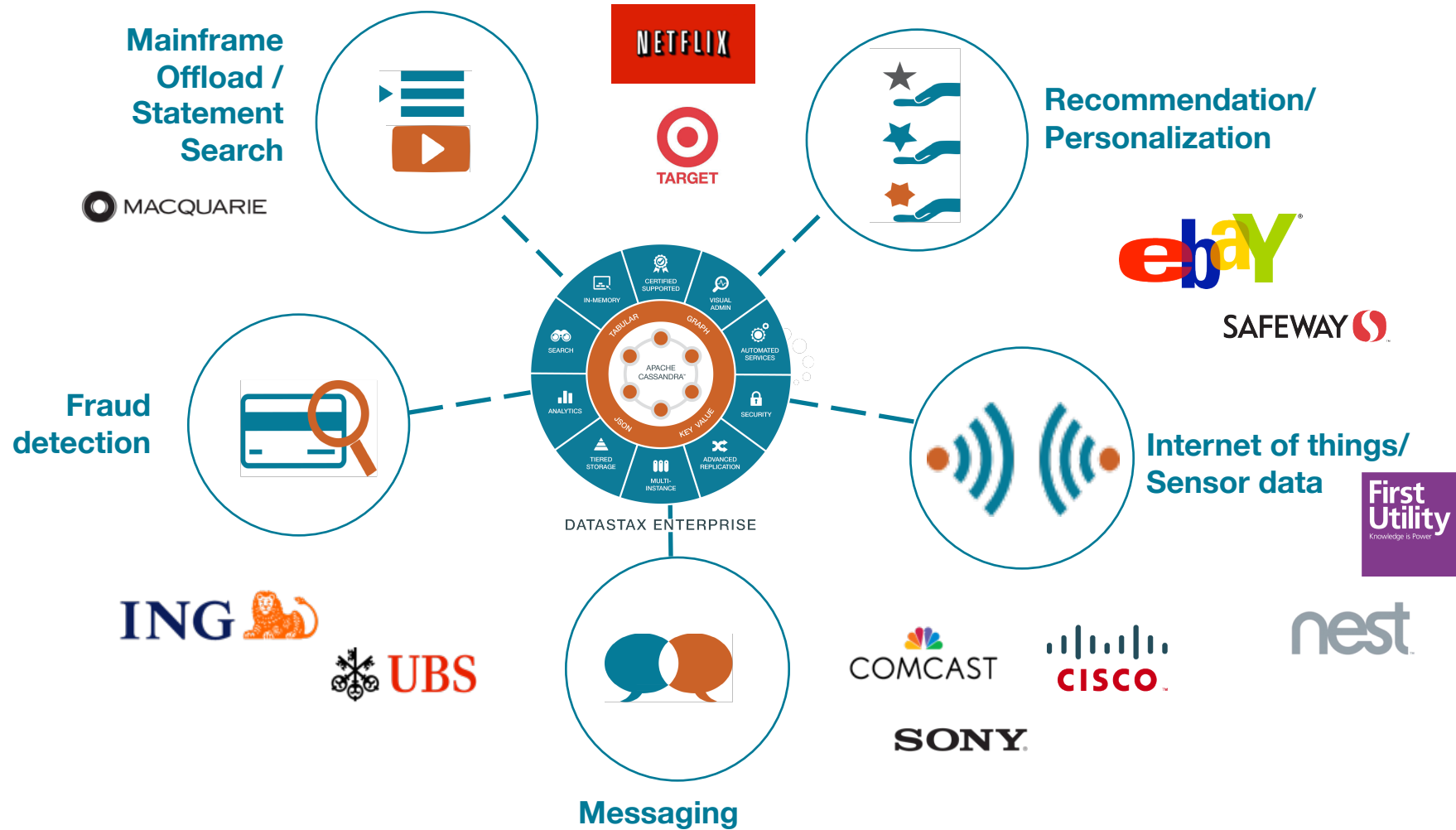
Customer360

Recommendations

Fraud Detection



Functional use cases



DataStax Enterprise across all Industries

ENERGY & UTILITIES / OIL & GAS



FINANCIAL SERVICES



TRANSPORTATION / LOGISTICS



MEDIA/ TELECOMMUNICATIONS



RETAIL / FOOD & BEVERAGE



TECHNOLOGY & IT SERVICES



Agenda

1	Workshop: Apache Cassandra™ Data Structures and Replication	9:15
2	Workshop: DataModelling with DataStax Enterprise and Apache Cassandra™	10:15
	BREAK	11:30
3	Workshop: DataStax Enterprise Search	11:45
4	Workshop: DataStax Enterprise Analytics with Apache Spark	12:15
5	DataStax Enterprise Graph	12:45
6	Discussion, Questions and Answers	13:00