



DataStax Hands-On Workshop

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Agenda

1	Quick intro to DataStax
2	Key Facts DataStax Enterprise
3	Hands-On Agenda today

From validation to momentum.

400+
Employees

Founded in April 2010

Santa Clara • San Francisco • Austin •
London • Paris • Berlin • Tokyo • Sydney

\$190M
Funding



(Series E – Sept. 2014)

500+
Customers



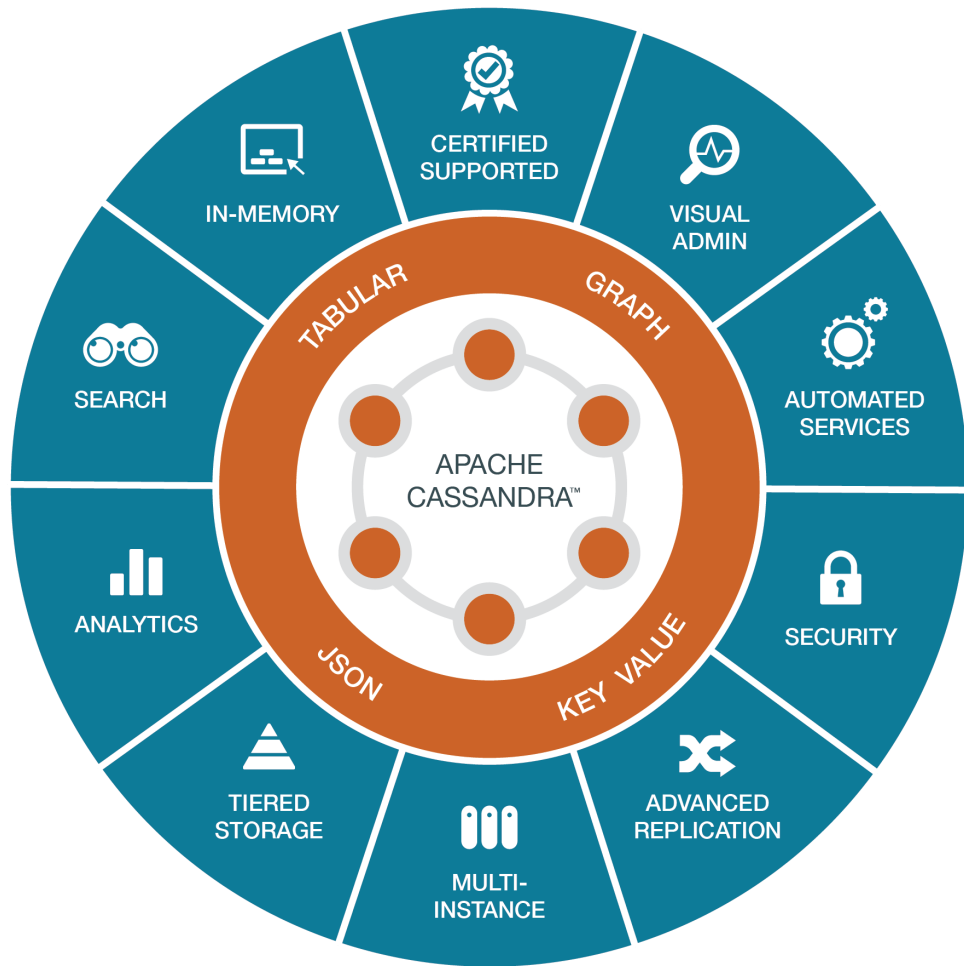
Forbes

2016 World's Best
100 Cloud Companies

Gartner

Ranked #1 in multiple operational
database categories

DataStax Enterprise Forms The Operational Data Layer



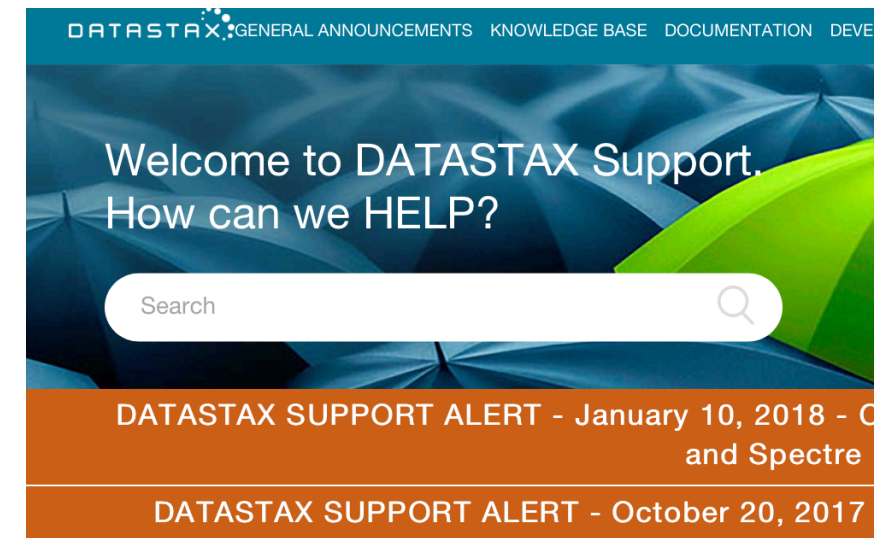
DATASTAX ENTERPRISE

Meets All Requirements

- Scalable
- Always-on
- Distributed
- Real-time
- Context
- Data autonomy

Expert support

- SLAs from business hours to 24x7x365
- Covers production and non-production environments
- Scheduled health checks for assistance on architecture, design, and tuning
- Certified service packs that keep your software up to date
- Hot-fix support for emergency situations



DataStax Managed Cloud

A Fully Managed, Secure Architecture

- DSE on AWS with Managed Provisioning and Scaling by DataStax
- 24x7x365 Coverage, Lights-Out Management
- System Configuration and Tuning to Meet Customer Specific Requirements
- Architecture Advisory Services, Guidance and Best Practices



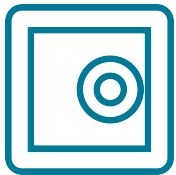
DataStax Enterprise Operations

- Automate what no one likes – backups, repairs
- REST API to work in your world
- Instantly manage your cluster, scaling up or down at a moment's notice
- Monitor your cluster and follow best practices, ensuring a secure environment

OpsCenter



DSE Advanced Security



Unified Authentication

- External validation of authorized users
- Leverages Kerberos & LDAP/AD
- Single sign-on to all data domains



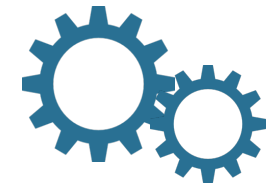
Transparent Data Encryption

- Protects sensitive data at rest via encryption
- No changes needed at app level



Data Auditing

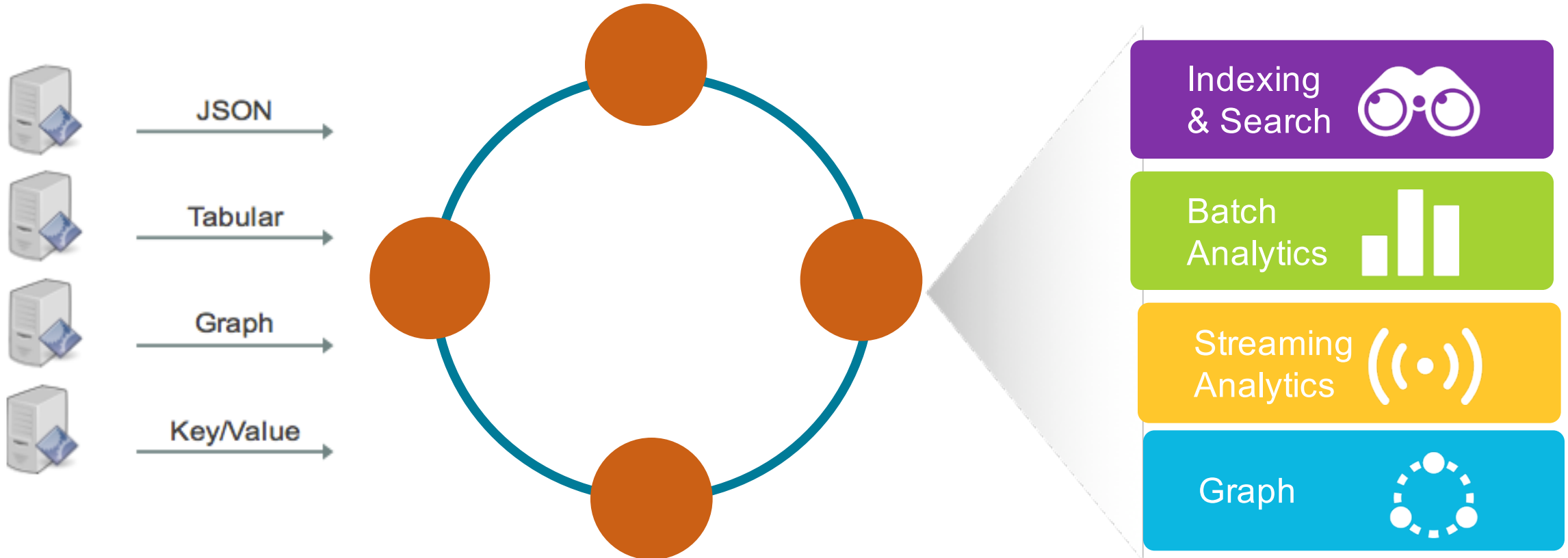
- Audit trail of all accesses and changes
- Control to audit only what's needed
- Uses log4j interface to ensure performance & efficient audit



Drivers

- Accomodating all DSE features
- Parameterized statements
- SSL encryption to secure traffic between the driver and DSE nodes.
- AuthProvider

Integrated Multi-Model/Mixed Workload Platform

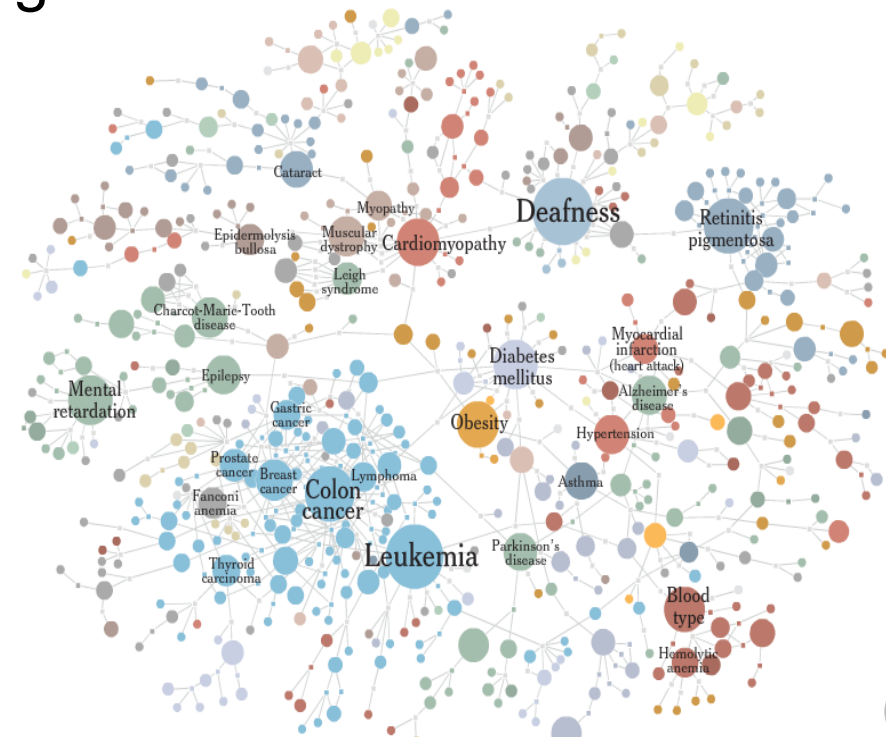


DSE Graph

A scalable, distributed graph database

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



Agenda

1	Apache Cassandra™ Datenstrukturen und Replikationsmöglichkeiten
2	Workshop: Datenmodellierung mit DataStax Enterprise und Apache Cassandra
3	Workshop: Live Data Indexing mit DataStax Enterprise und Apache Solr
4	Präsentation und Demo: DataStax Enterprise Analytics mit Apache Spark
5	Präsentation und Demo: DataStax Enterprise Graph
5	Diskussionsrunde, Fragen & Antworten

Vielen Dank!