# DataStax Project-Focused Services Package



## at a glance

- DataStax Core Concepts
  Training
- · Architecture Design Review
- · Application Code Review
- Production Readiness Testing
- Production Handover

## technology

DataStax Enterprise

### about kpi

- 4+ years experience with DataStax/Cassandra
- DataStax/Cassandra Strategic Partner
- Cassandra, DSE, Spark, Solr, Java, Scala, Chef expertise
- 200+ enterprise customers
- Onshore and Offshore consulting
- Expertise with other relational and big data technologies

Deploy applications that are reliable under operational load and get effective training that maximizes technology investment.

#### Overview

The KPI DataStax Project-Focused Services Package offers clients a proven methodology for deploying DataStax technology into their organization based on prior experience with the components of DataStax.

#### **KPI's Deployment Methodology Considers**

- The customer's experience with DataStax
- The customer's Development and Operations structure
- The need for Technical Project Management



KPI has hands-on experience in successful DataStax deployments and our deployment methodology is built from this experience of deploying, configuring and supporting many customers with successful production instances of DataStax.

# **Certified Solution Architect Expertise**

- Enterprise Deployment Expertise
- Data Modeling Expertise
- At-Scale Testing Expertise
- Broad Use Case Exposure

#### **Phased Delivery Engagement**

- Organizes around the customer's IT organization
- Mitigates deployment risk through
- At Scale and Disaster Avoidance testing
- Includes dedicated Technical Project Management
- Includes an Engagement Summary
- Helps customer get to production with its defined Use Case
- Includes ongoing knowledge transfer from KPI

#### **Customer Education Approach**

- Recommends specific customer training
- Flexible role-based education approach can include both distance (online) learning and onsite instruction







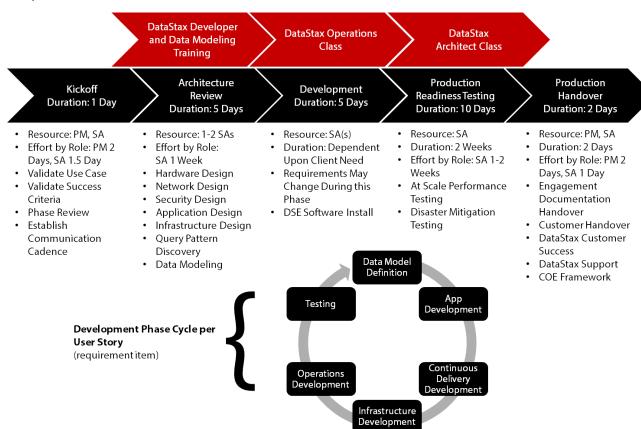
#### **Benefits of DataStax Services Deployment Methodology**

- Certified Solution Architect level consultants with the experience of many prior customer engagements
- Phased methodology approach ensures timely delivery and resource alignment
- Results-based method focuses on delivering an efficient production instance to the customer
- Eliminates the guesswork from sizing a distributed infrastructure
- Customer-centric approach scales the technology to support the specific needs of the customer

 Builds foundational expertise for customers to succeed in application development, operation and administration with DataStax technology

#### **New to DataStax with Combined Dev/Ops Function**

This methodology is based on our experience with similar customers who are new to DataStax and who have a single Development and Operations function.



#### Existing DataStax Enterprise Customer with Combined Dev/Ops Function

This methodology re-sequences phases to reduce the time to production for customers with existing DataStax applications in production.







DataStax Developer DataStax Operations DataStax and Data Modeling Class **Architect Class** Training Solution Readiness Production Application Production Kickoff Validation and Update Readiness Testing Handover Duration: 3 Day Assessment Duration: 5 Days Duration: 10 Days Duration: 2 Days Duration: 10 Days Resource: SA Resource: PM Resource: PM, SA Resource: PM, 1-2 SAs Resource: SA Duration: 1 Day Duration: 2 Weeks **Duration: Dependent** Duration: 2 Weeks Duration: 2 Days Effort by Role: PM 2 Effort by Role: PM 2 Effort by Role: **Upon Client Need** Effort by Role: SA 1-2 Days, SA 1 Day SA 1-2 Weeks Effort: Dependent Weeks Days, SA 1.5 Day Validate Use Case At Scale Testing Upon Client Need At Scale Performance Engagement Testing Documentation Code Review Hardware Design **Application Changes** Disaster Mitigation Handover Data Model Review Network Design **Data Model Changes** Infrastructure Review Security Design Migration Strategy Customer Handover Validate Provisioning **Application Design** Operational Changes DataStax Customer • DSE Software Install Success Infrastructure Design Query Pattern DataStax Support Discovery COE "Something" · Deliverable: List of Data Model Acute Issues based Definition on Assessment and App Development Readiness Validation Testing Development Phase Cycle per User Story (requirement item) Operations Delivery Development Developme Infrastructure Development

#### **Modified Based on DataStax Enterprise Experience**

- Emphasizes validating existing application performance for existing DataStax customers
- Accelerates enablement and at-scale new application production for new DataStax customers
- · Recognizes IT organizations' operational differences
- · Recommends parallel training program

 Led by Certified Solutions Architects and Project Managers with experience designing, developing and deploying large distributed systems

#### New to DataStax with Separate Dev/Ops Function

This methodology emphasizes enabling and educating the new DataStax customer through a production deployment.







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Development

# Considers Enterprise Development and Operations Teams Functions

- · Accounts for company's specific IT process
- Differentiates based on current DataStax expertise
- · Recommends parallel training program
- Provides at-scale testing of new application performance
- Provides Technical Project Management oversight

#### **Existing DataStax Customer with Separate Dev/Ops Function**

This methodology focuses on the customer's existing DataStax-based deployment, operating within a matrix Development and Operations environment.







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> Effort: Dependent Upon Client Need Hardware Build Out 0/S Config DSE Software Install Operations Development

#### **Benefits**

KPI will share best practices gained over similar engagements with our customers. Our services are designed to improve your speed and stability with a production application on the DataStax platform and provides the following benefits:

- DataStax Core Concepts Training KPI will provide customers with a solid baseline of technical expertise.
- Architecture Design Review KPI will work with customers to analyze the proposed application architecture based on estimated load volumes and required service level agreements.
- Application Code Review KPI will review a customer's proposed application code to provide recommendations to meet required performance and/or stability needs of the entire system.
- Production Readiness Testing KPI will assist with At-Scale Performance Testing, Disaster Mitigation Testing and Load and Overhead Testing.

 Production Handover – KPI will assist in educating and assisting the customer operations team for handing over the Customer Production system to Operations.

#### **Duration**

- This package includes up to 43 consecutive business days of service delivery
- A day is defined as an 8-hour day; partial days will constitute an 8-hour day of delivery for this purpose

#### **Contact KPI Partners**

For more information, please contact KPI Partners via phone, web or email.





