

# Apache Cassandra Project-Focused Services Package



## at a glance

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

## technology

- Apache Cassandra

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

### KPI's Deployment Methodology Considers

1. The customer's experience with Apache Cassandra
2. The customer's Development and Operations structure
3. The need for Technical Project Management

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



<b>Certified Solution Architect Expertise</b> <ul style="list-style-type: none"> <li>• Enterprise Deployment Expertise</li> <li>• Data Modeling Expertise</li> <li>• At-Scale Testing Expertise</li> <li>• Broad Use Case Exposure</li> </ul>	<b>Phased Delivery Engagement</b> <ul style="list-style-type: none"> <li>• Organizes around the customer's IT organization</li> <li>• Mitigates deployment risk through</li> <li>• At Scale and Disaster Avoidance testing</li> <li>• Includes dedicated Technical Project Management</li> <li>• Includes an Engagement Summary</li> <li>• Helps customer get to production with its defined Use Case</li> <li>• Includes ongoing knowledge transfer from KPI</li> </ul>	<b>Customer Education Approach</b> <ul style="list-style-type: none"> <li>• Recommends specific customer training</li> <li>• Flexible role-based education approach can include both distance (online) learning and onsite instruction</li> </ul>
---	--	---

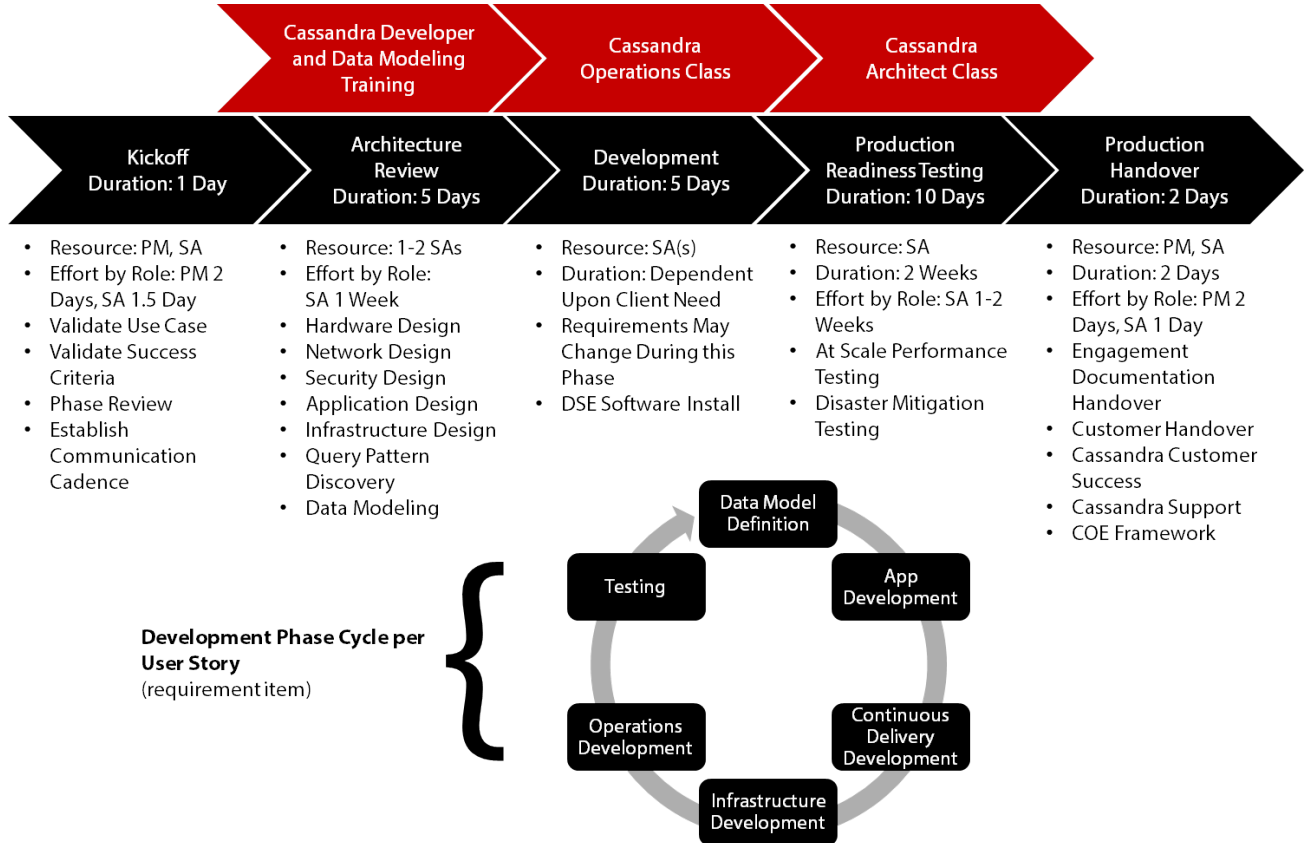
## Benefits of Cassandra Services Deployment Methodology

- 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 Cassandra technology

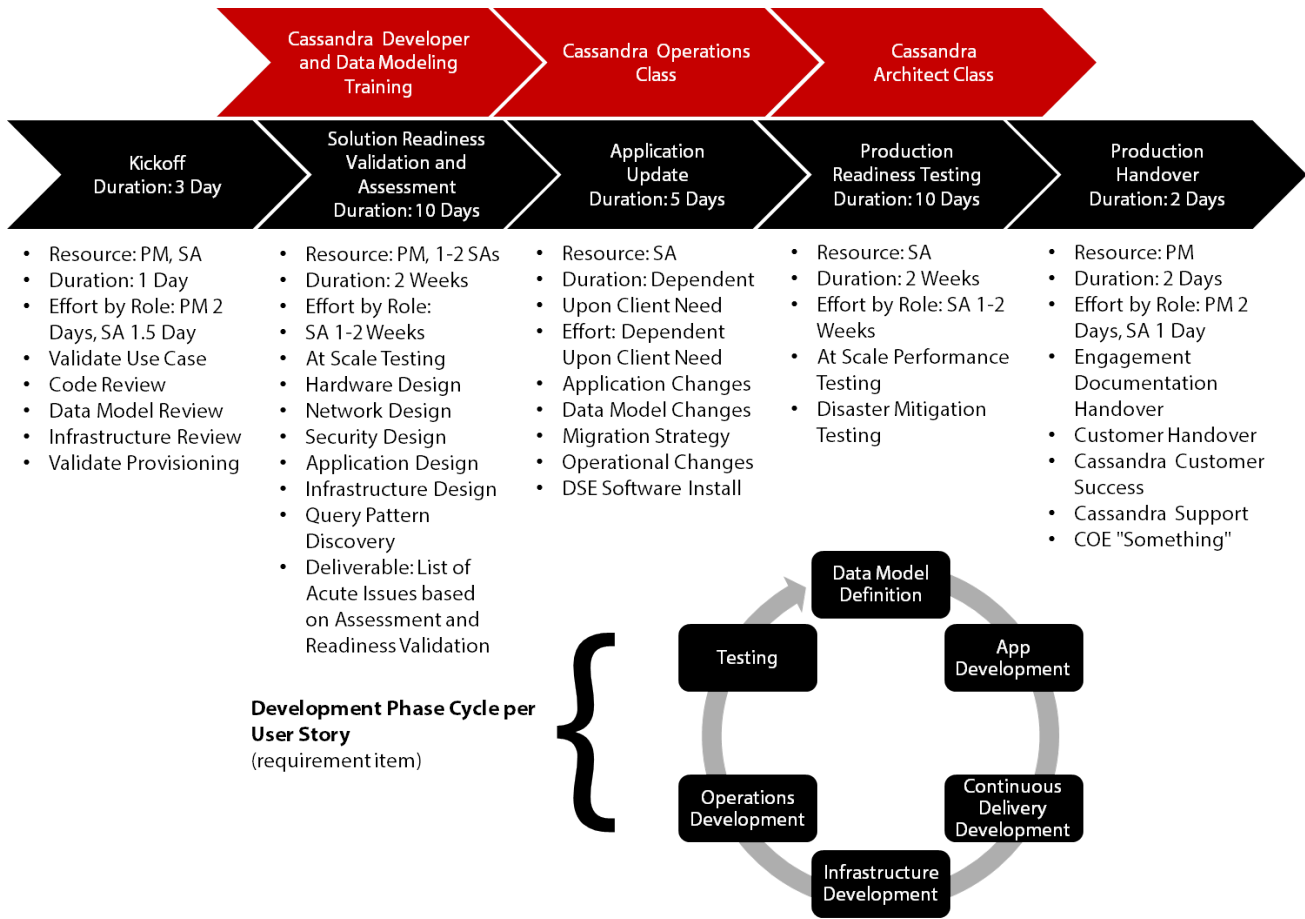
## New to Cassandra with Combined Dev/Ops Function

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



## Existing Cassandra Customer with Combined Dev/Ops Function

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



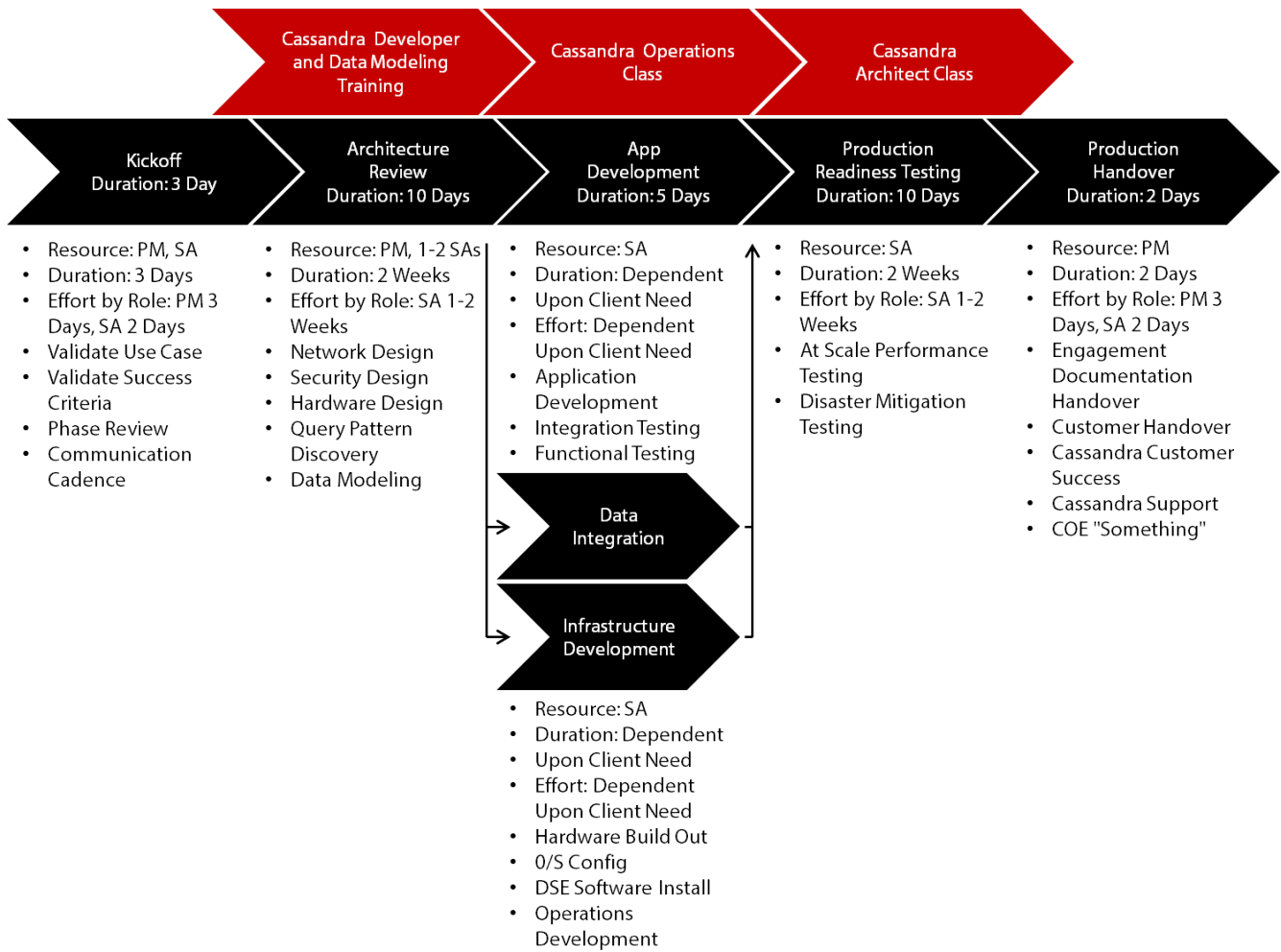
#### Modified Based on Cassandra Experience

- Emphasizes validating existing application performance for existing Cassandra customers
- Accelerates enablement and at-scale new application production for new Cassandra 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 Cassandra with Separate Dev/Ops Function

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

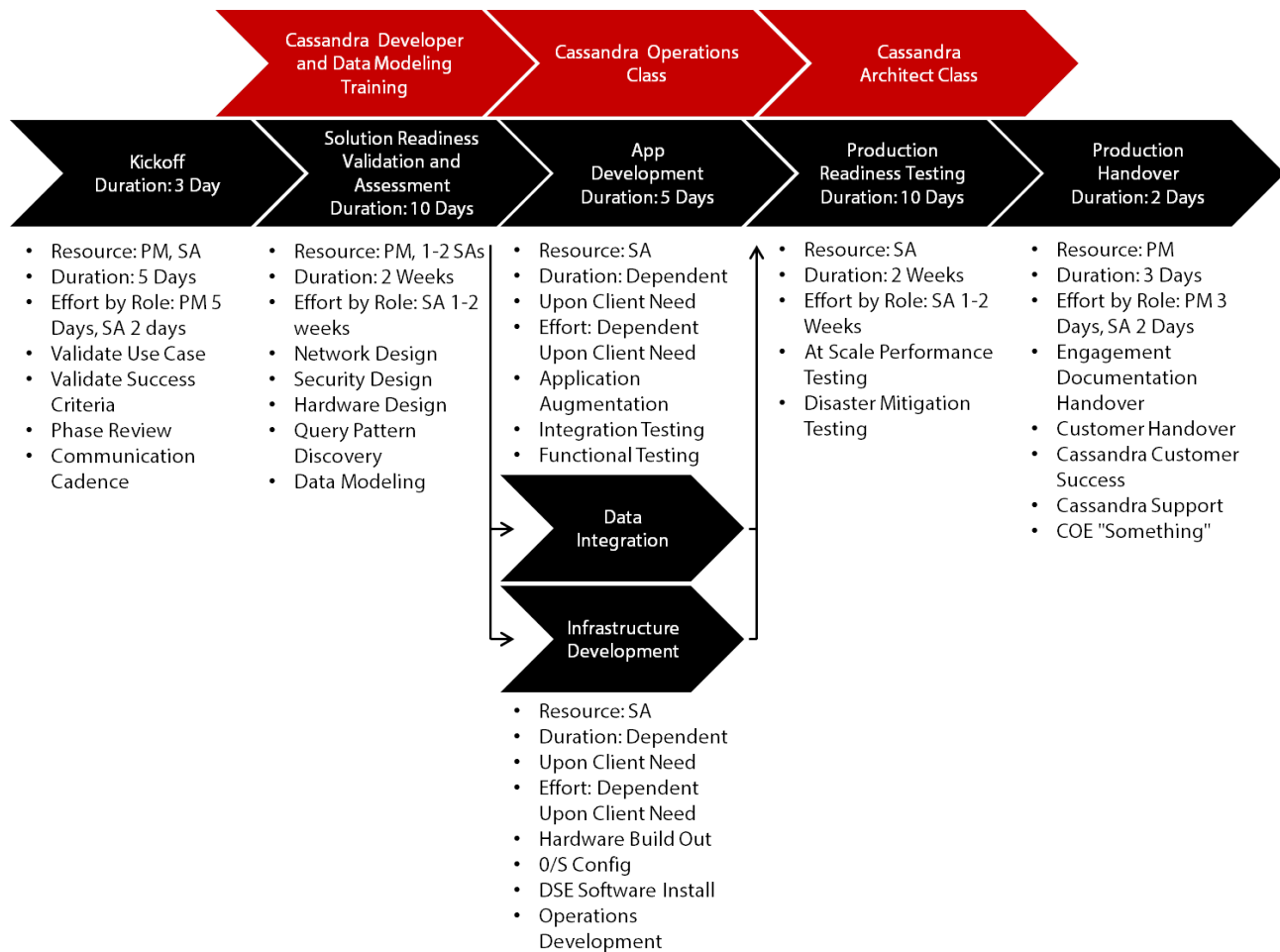


#### Considers Enterprise Development and Operations Teams Functions

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

#### Existing Cassandra Customer with Separate Dev/Ops Function

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



## 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 Cassandra platform and provides the following benefits:

- **Cassandra 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.