

Overview

The objective of the Production Readiness service is to help you develop a well-designed plan to ensure that you detect all potential issues before you deploy into production. Couchbase experts work with your architects, administrators, and developers to assess your project and build a readiness plan that includes clear guidance and best practices for successfully passing through the standard industry environments of testing, staging, and pre-production. The service also includes a customized walk-through of the implementation process, giving you the confidence of knowing no important issues have been overlooked.

Specifically, this service includes:

Environment assessment

- Understand the project environments, history, and issues
- Identify key goals for the production deployment, including timelines and scope
- Assess Couchbase Server clusters, including Couchbase settings, system resources, tunable items, bucket configuration, view usage, datacenter replication, etc.

Capacity planning

- Verification that sizing is appropriate and adequate
- Develop plan to expand cluster in the future when required

High availability and disaster recovery planning

- Analysis of Multi-Dimensional Scaling (MDS) configuration and replicas for failover requirements
- Study of backup and restore configuration. The study takes into account the service level agreements (SLA) around two key factors:
 - The recovery point objective (RPO) describes the interval of time that might pass during a disruption before the quantity of data lost exceeds the maximum allowable threshold or “tolerance” of the business continuity plan
 - The recovery time objective (RTO) is the duration of time and a service level within which a business process must be restored after a disaster in order to avoid unacceptable consequences associated with a break in continuity

Monitoring and alerts planning

- Email
- Couchbase user interface
- Investigation of Couchbase metrics exposed in REST API and returned in JSON in order to monitor:
 - Operating system
 - Cluster, nodes, and buckets
 - Data, Query, Index, Search, and Eventing services
 - Cross datacenter replication (XDCR)

Production readiness planning

- Jointly create a production readiness plan
- Engage the Couchbase Support team to validate the execution plan and provide additional insight based on previous customer engagements

Risk analysis and plan execution

- Create a QA production cluster and execute the production readiness plan to identify any unforeseen challenges and to ensure all issues are addressed

Engagement Approach

A typical Production Readiness service engagement follows these steps:

- We hold an initial meeting remotely to gain an understanding of your application and discuss the desired focus of the engagement.
- Based on the focus of the engagement, we request prerequisites such as architecture diagrams and configurations that will prepare us for the engagement.
- Together, we plan on-site engagement dates and discuss logistics.
- The engagement begins. All discussions are confidential, and information is collected only to help with architecture, data design, and sizing recommendations.

Deliverable

We'll provide a written report that includes all recommendations we reviewed with you , plus any additional recommendations.

Scope

The engagement will be restricted to one Couchbase Use Case or project deployment.

Expenses

Reasonable travel and expense costs incurred in conducting activities at your site shall be billable to and paid by you upon receiving an invoice with an expense report and receipts.

Learn More

To learn more, contact your Couchbase sales representative today or visit:

www.couchbase.com

About Couchbase

Unlike other NoSQL databases, Couchbase provides an enterprise-class, multicloud to edge database that offers the robust capabilities required for business-critical applications on a highly scalable and available platform. As a distributed cloud-native database, Couchbase runs in modern dynamic environments and on any cloud, either customer-managed or fully managed as-a-service. Couchbase is built on open standards, combining the best of NoSQL with the power and familiarity of SQL, to simplify the transition from mainframe and relational databases.

Couchbase has become pervasive in our everyday lives; our customers include industry leaders Amadeus, American Express, Carrefour, Cisco, Comcast/Sky, Disney, eBay, LinkedIn, Marriott, Tesco, Tommy Hilfiger, United, Verizon, as well as hundreds of other household names. For more information, visit www.couchbase.com.

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