

# DataStax Luna – Health Check

**Stabilize your Apache Cassandra® environments**

## Overview

DataStax Consulting for Open Source Apache Cassandra® (OSC) provides the Luna Health Check service package for a complete diagnostic scan of your cluster to help troubleshoot and improve your Cassandra configuration. The Health Check offers significant risk mitigation by conducting a detailed review of your Cassandra cluster operation and configuration and delivers an actionable remediation plan from a seasoned Cassandra expert.

## Approach

Our DataStax Luna Health Check service package is designed to provide a comprehensive overview of your cluster's health and recommend a pathway to optimization. Our OSC consulting experts will review your system infrastructure, highlight important settings, and recommend improvements and best practices for growth and performance. We will review features such as:

- Cassandra logs
- Cassandra configuration files
- Output from Cassandra nodetool diagnostics
- Various operating system diagnostics
- Schema
- JMX metrics

For the Health Check we ask your team to run a simple collector script in your environment. We use this information to analyze the health of the cluster. The script does not collect any Cassandra data files. Once the collector script has finished, our OSC consultants will:

- Analyze the data with both automated tools and manual analysis
- Deliver a custom report that provides a full diagnostic review of the cluster
- Hold a follow-up video call to present a summary of the findings and answer any questions you might have

At this stage we will also arrange for any consulting services you might need in order to implement the recommendations.

## Scope

The following describes the process for a typical cluster health check:

- *Schema Exchange*: We ask you to send the CQL schema for your keyspace and a brief description of the most important tables and how they are used in the application. We use this information for our kick-off meeting.
- *Kick-off Meeting*: Our two teams get together on a video call to meet each other and discuss the application and your schema in more detail.
- *Collector Delivery*: We provide you with a copy of our collector script via a Jira ticket, which will gather information from your nodes which you can send back to DataStax for analysis. Customer should review the diagnostic log before sending to ensure no sensitive or personal information is included.
- *Running the Collector*: Your team runs our collector script against your cluster.
- *Analysis*: DataStax OSC consultants analyze your data with both automated tools and manual analysis. The team will create a report that provides a full diagnostic summary of your cluster. To support our analysis, we may ask followup questions via email, Jira, or video calls.
- *Report Delivery*: We send you the report and arrange a follow-up meeting.
- *Client Review*: Your team reviews the document within 48 hours and compiles a list of questions and possible next steps.
- *Summary of Findings Presentation*: The two teams get together on a video call to discuss our key findings, recommendations, and how they will help your clusters. We will drill into the most critical areas of the report and address any questions that came up during your review.
- *Provide recommendations on how to triage any remediation work*: If there are recommendations that your team needs assistance implementing, we can recommend the follow on work and schedule additional time to address through additional Consulting Days.

## Goals

- *Reduced risk of an unstable cluster due to inaccurate configuration or incorrect hardware*
- *Reduced immediate and future scaling risks*
- *Increase in your operational team's confidence by arming them with best practices*

## Price

Customer needs to purchase 3 (three) Consulting Days for DataStax to execute the tasks as outlined in the scope. DataStax will deliver up to three days of consulting services. Should more days be necessary, additional purchase is required.

## Terms

- See the [DataStax Services Terms](#) and the [service package description](#) for the details and terms of Services delivery.