Redis Enterprise Health Check Assessment Service Package

Redis Enterprise was designed to handle many types of data workloads while delivering consistent operational performance. However, as a long-running cluster evolves to these changing workloads, it may benefit from additional configuration tuning or from updates to applications that utilize the databases within a cluster. This 5-day service package performs an automated health check assessment on your production Redis Enterprise software cluster. It will produce a detailed inventory report on the cluster and database configuration plus a series of recommendations for performance tuning, adoption of best practices and possible changes to applications that process the information stored in its databases. These insights will be incorporated into a prioritized consulting plan that targets improvements for the cluster, database and related Redis applications (if applicable). All services are delivered during standard business hours.

Architecture Package & Analysis Report
1 consulting day

* Architecture Package Generation
* Architecture Package Analysis
* Report Generation
    - Cluster & database inventory
    - Analysis & recommendations
* Consultant Review Session
* Inventory & Analysis Report Provided

Redis Enterprise Cluster and Database Analysis

This section provides an analysis of the Redis Enterprise cluster and databases using a rules engine. The analysis is based on the current configuration and is intended to provide guidance on how to improve the performance, availability and security of the cluster and its databases.

The table below assigns one of the following recommendations to each analysis item:

- Good - the assessment is good and no action is required
- Monitor - monitor progress and take action if conditions change
- Best Practice - consider adopting the best practice to improve cluster operations
- Action Required - immediate action should be taken to address the identified issue

Analysis Name	Analysis Summary	Assessment	Analysis Details
Cluster Release	Cluster Release Support Window	Good	Redis Enterprise Product Lifecycle
Consistent Releases	Consistent Releases Across Nodes	Good	Redis Enterprise Release Notes
Cluster License	Cluster License Expiration Window	Action Required	Redis Enterprise Cluster Licenses
Node Processes	All Cluster/Redis Processes Running	Good	Redis Enterprise Process Supervisor
Cluster Node Size	Cluster Node Min and Max Count	Good	Redis Enterprise Hardware Requirements
Cluster Quorum	Cluster Node Odd Number	Good	Redis Enterprise Hardware Requirements
Cluster Alerts	Cluster Email Alerts Enabled	Best Practice	Enabling cluster email alerts is recommended for production deployments.

Cluster & Database Tune-Up
4 consulting days

* Identify Source of Performance Issues
    - Based on report findings
* Administration/Operations Workshop
* Propose Configuration Improvements
* Assist with Configuration Changes
* Evaluate Impact of Changes
* Regenerate Package & Analysis Report

OR

Redis Application Tune Up
4 consulting days

* Application Performance Testing
    - Based on report findings
* Application Code Review
* Redis Developer Workshop
* Application Code Solution Proposal
* Consulting Assistance with Adoption
* Impact of Changes Evaluation