

# Performance Assurance

Instaclustr's **Performance Assurance Package** is a perfect solution to build your confidence to scale and meet your future needs. Under this package, our team of consulting experts will ensure that your application is reviewed and tested using techniques intended to stress your cluster and data model for baseline and maximum performance metrics. Conducted either in the Deploy and Operate stage, Instaclustr's extensive Cassandra experience will come into play to provide you with the highest levels of assurance for future scalability.

## Inclusions

The Performance Assurance Package includes the following approach, to provide you with highest level of confidence

- **Questionnaire:** Instaclustr consulting experts will provide a questionnaire asking for information about your use of Cassandra, including data from your current cluster where applicable.
- **Meeting:** You fill out the questionnaire and return it to us. Thereafter, we schedule an on-line meeting to review your answers and clarify information where required.
- **Data Model Review:** We will review your Cassandra schema against our data modelling best practices checklist to highlight any issues that can be discovered through static analysis.
- **Design Load:** We will design a load to test your application including specifically targeting typical Cassandra pain points such as tombstones, partition keys and secondary indexes.
- **Review Plan:** We will review and agree the detailed test planning with you to ensure we have correctly reflected any assumptions and are maximising the information generated by the testing.
- **Execute Test:** We will execute the planned testing, informing you of any significant findings and adjustments along the way.
- **Report and Review:** We will provide a comprehensive report on the testing, findings and recommendations. We will hold a review meeting with you to ensure the report is clear and provides the information you need.

The entire project will generally takes between 2 to 3 weeks. The time-frame may vary with customers and use case.

## Key Outcomes

- ✓ Have a strong, tested understanding of the performance characteristics of your specific Cassandra database - preventing costly issues and potential downtime in production.
- ✓ Understand the infrastructure configuration that will best meet the performance profile of your application, allowing you to optimise infrastructure purchasing.
- ✓ Have recommendations on how to improve the efficiency of your Cassandra data model, again enabling future infrastructure savings.

To find out the cost of this package, contact our [sales team](#)