

Published on *CERN openlab* (<http://openlab.cern>)

[Home](#) > Investigation on Oracle GoldenGate Veridata for Data Consistency in WLCG Distributed Database Environment

Investigation on Oracle GoldenGate Veridata for Data Consistency in WLCG Distributed Database Environment ^[1]

Date published:

Monday, 1 September, 2014

Document type:

Summer student report

Author(s):

A. Asko

Abstract: In the distributed database environment, the data divergence can be an important problem: if it is not discovered and correctly identified, incorrect data can lead to poor decision making, errors in the service and in the operative errors. Oracle GoldenGate Veridata is a product to compare two sets of data and identify and report on data that is out of synchronization. IT DB is providing a replication service between databases at CERN and other computer centers worldwide as a part of the WLCG project. One of the important and difficult tasks in provisioning of a reliable replication service is to measure and ensure consistency of data between databases. Oracle Veridata appears to be a promising solution for this challenge. The aim of the project is to evaluate the Oracle Veridata framework in the context of the WLCG database replication environment, to provide a study and feedback regarding functionality, usability and performance of the software for data consistency measuring between remote databases.

Report on ZENODO:

[Document on ZENODO](#) ^[2]

- [Visit Us](#)
- [RSS Feeds](#)
- [Contact us](#)

DISCLAIMER: This Web page contains pointers to material related to the management of CERN openlab in the Information Technology Department at the European Organization for Nuclear Research (CERN). Their use and distribution are regulated by the CERN copyright notice.



Source URL: http://openlab.cern/publications/technical_documents/investigation-oracle-goldengate-veridata-data-consistency-wlcg

Links

[1] http://openlab.cern/publications/technical_documents/investigation-oracle-goldengate-veridata-data-consistency-wlcg

[2] <http://zenodo.org/record/12179>