

Oracle Streams to Oracle GoldenGate Migration Utility



Oracle GoldenGate is Oracle's strategic technology for data replication. Our latest release, Oracle GoldenGate 12c, reinforces Oracle's leadership in the real-time transactional data replication space. This release improves business' ability to manage transactional processing in complex, heterogeneous environments by providing simplified configuration, extreme processing for increased data volumes and improved high availability solutions.

We are dedicated to helping our Oracle Streams customer's transition to our market leading replication technology. To assist with this initiative, Oracle has developed a tool to help customers easily convert their existing Oracle Streams configuration into an Oracle GoldenGate configuration. Streams2OGG tool is available for download from the Oracle Support Portal via **Document ID 1912338.1**

Please note: The following information assumes that the reader is familiar with both Oracle Streams and Oracle GoldenGate concepts.

The Streams2OGG Tool

Oracle Streams and Oracle GoldenGate (OGG) replication solutions follow similar concepts: capture from source database, route changes to the target database and apply changes to the target database.

Advantages:

The Streams2OGG tool auto generates Oracle GoldenGate configuration files, which greatly simplifies the effort required to migrate off Oracle Streams to Oracle GoldenGate 12c.

This tool will help our customers:

- Eliminate manual conversion errors
- Minimize the GoldenGate learning curve for Streams customers
- Implement GoldenGate best practices

How it Works:

The Streams2OGG migration tool is performed at the database level by connecting to the Streams Administrator schema, loading the Streams2OGG package, and then executing the package procedure to generate the Oracle GoldenGate parameter files based on the Streams configuration in that database.

- Capture information is written to an Oracle GoldenGate extract parameter file
- Propagation information is written to an Oracle GoldenGate pump parameter file
- Apply information is written to an Oracle GoldenGate replicat parameter file

This tool supports generating Oracle GoldenGate configuration files for use on a different database or machine, allowing for testing and platform migrations. The tool provides a customization option for specifying process names and Oracle GoldenGate version.

It is important to note:

- ***This tool does not provide the environment or process for switching from Oracle Streams over to your Oracle GoldenGate implementation.***
- ***This tool does not support the Change Data Capture (CDC) feature of Oracle Database.***

Assumptions:

- Streams configuration exists in the database prior to using the Streams2OGG migration tool.
- By default, configures for Oracle GoldenGate release is 12.1.2.1.0 supporting Integrated Capture and Integrated Delivery features for Oracle Database 11.2.0.4 release or higher.

Requirements and Pre-requisites:

- The Streams migration tool uses the existing Streams Administrator Schema to load the tool and to generate the Oracle GoldenGate configuration files. Therefore, the Streams Administrator should have the appropriate privileges for Streams including DBA role.

Oracle GoldenGate Integrated Capture and Integrated Delivery are configured for Streams customers. While Integrated Capture is available beginning with Oracle Database 11g Release 2 (11.2.0.3) and the Oracle GoldenGate 11.2.1 release, the Streams2OGG generated files may need to be modified for this earlier release of Integrated Capture. Integrated Delivery is introduced in Oracle GoldenGate 12c and is available with Oracle Database 11g Release 2 (11.2.0.4) and Oracle Database 12c. It is not available for earlier releases of the database.



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