

Release Notes for Oracle GoldenGate for Big Data 12c (12.3.1.1)

Oracle GoldenGate for Big Data 12c streams transactional data into big data systems in real time, raising the quality and timeliness of business insights. This document contains the release notes for the 12c (12.3.1.1) release of Oracle GoldenGate for Big Data.

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New and Changed Features

This section outlines the new features that are being introduced in the release, features that have been enhanced, and changes to existing features.

- [12.3.1.1.0 Release — August 2017](#)

12.3.1.1.0 Release — August 2017

- The Elasticsearch, Kafka Connect, and Amazon Kinesis Handlers are introduced for the corresponding targets.
- The HBase byte fields support was changed so that binary source data is moved into HBase as binary data. It is no longer converted to Base64.

- The Kafka Connect and Kinesis Handler were changed to use templates to resolve the Kafka topic and the message key. New configuration properties are introduced and some previous properties were removed.
- The HDFS Handler was changed to use templates to generate HDFS file names. New configuration properties are introduced and some previous properties were removed.
- The Cloudera CDH moved to HBase 1.0.0 in CDH version 5.4.0 to keep reverse compatibility with HBase 0.98.x and earlier. The HBase client in the CDH severed binary compatibility with Apache HBase 1.0.0. This change allows you to use the HBase Handler to connect to Cloudera HBase for versions 5.4.x, which the HBase Handler is configured to use the HBase 1.0 interface to dynamically use Java Reflection.



Note:

Review Understanding What is Supported for more information about support for these new features as well as existing features.

New or Changed Properties

This section lists the properties that have been added, changed, or documented for the first time for the release.

- [Initial Release 12.3.1.1.0— August 2017](#)

Initial Release 12.3.1.1.0— August 2017

- The HBase Handler is changed to locate the method that severed the binary compatibility by dynamically using Java Reflection.
- The JSON Formatter property, `gg.handler.name.format.omitNullValues`, was added to optionally omit null fields from the output.
- The Kafka Handler properties changed to support the use of templates and the following properties are added:

```
gg.handler.name.topicMappingTemplate
gg.handler.name.keyMappingTemplate
```

- The `gg.handler.name.fileNameMappingTemplate` was added to the HDFS Handler.

Upgrade

There are two upgrade paths that you can choose from to upgrade to Oracle GoldenGate for Big Data 12c (12.3.1.1) and both are described in *Installing and Upgrading Oracle GoldenGate for Big Data*.

Deprecated Items

This section lists all items that were deprecated in each release.

- [Release 12.3.1.1.0— August 2017](#)

Release 12.3.1.1.0— August 2017

- The following Kafka Handler configuration properties have been deprecated:

```
gg.handler.name.TopicName
gg.handler.name.ProducerRecordClass
gg.handler.name.topicPartitioning
```

- The HDFS Handler `gg.handler.name.fileSuffix` property is deprecated.

Corrected Problems

This section describes the problems corrected in each release. The Bug *number* is the number of the BugDB ticket. For questions on specific tickets or issues, consult Oracle Support.

- [Initial Release 12.3.1.1.0 — August 2017](#)

Initial Release 12.3.1.1.0 — August 2017

Bug 25735642 - Replicat abends when using

```
gg.handler.name.format.metacols
```

Added a framework to allow users add meta columns into the output structure. For this release, the implementation is only for JSON output.

Bug 25064117 - HBase Tables are Out of Sync

It is possible that the data in the source database and the data in HBase may get out of sync. You can now set the timestamp for row operations in the HBase Handler using the new `gg.handler.name.setHbaseOperationTimestamp` property.

Bug 22161028 - Java Adapter validation and replacement of invalid character values

When dealing with malformed input characters in the trail record that do not comply with the character set, you can now use the `REPLACEBADCHAR` option with Replicat so that you can control the corrective action.

Known Issues

This section describes the known issues, with any available workarounds, identified in each release . The Bug *number* is the number of the BugDB ticket. For questions on specific tickets or issues, consult Oracle Support.

- [Initial Release 12.3.1.1.0 — August 2017](#)

Initial Release 12.3.1.1.0 — August 2017

There are no known issues.

Getting Help with My Oracle Support

Use My Oracle Support to find knowledge solutions, workarounds, and other information that is reported by customers, partners, and Oracle employees. My Oracle Support also enables you to open a Service Request. If a patch is required to resolve a service request, you will receive instructions on how to download it from My Oracle Support.



Note:

If you purchased Oracle GoldenGate and support through a distributor, contact your distributor instead of attempting to create a service request through My Oracle Support.

- [Viewing the Oracle GoldenGate Knowledge Base](#)
- [Creating an Oracle GoldenGate Support Request Ticket](#)

Viewing the Oracle GoldenGate Knowledge Base

To view the Oracle GoldenGate Knowledge Base, follow these steps:

1. Browse to [the My Oracle Support web site at http://support.oracle.com](http://support.oracle.com).
2. Select your language and then log in with your email and Oracle password.
3. Click the **Knowledge** tab.
4. In the **Select a product or product line** field, enter **GoldenGate**, and then select an Oracle GoldenGate product from the context-sensitive list to narrow your results. (You may have to wait a few seconds for this list to appear).
5. In the **Enter search terms** field, enter a search keyword or multiple keywords to focus the query.

Additional information about how to use this tab is obtained by clicking **Help**.

Creating an Oracle GoldenGate Support Request Ticket

If you cannot find an answer to your question or problem in the Knowledge Base, you can open a support request ticket with Oracle Support by following these steps:

1. Browse to [the My Oracle Support web site at http://support.oracle.com](http://support.oracle.com).
2. Select your language, and then sign in with your credentials. If you have not done so, you will have to register to use this web site.
3. Click the **Service Requests** tab.
4. Click **Create SR**.
5. Use the Create Service Request wizard to complete and submit your SR. Additional information about how to use this tab is obtained by clicking **Help**.

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