

Oracle® Fusion Middleware

Oracle GoldenGate Veridata Online Help



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Audience

This guide is intended for installers, database administrators, and system administrators who are installing, configuring and running Oracle GoldenGate.

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Conventions

The following text conventions are used in this document:

Convention	Meaning
boldface	Boldface type indicates graphical user interface elements associated with an action, such as "From the File menu, select Save ." Boldface also is used for terms defined in text or in the glossary.
<i>italic</i> <i>italic</i>	Italic type indicates placeholder variables for which you supply particular values, such as in the parameter statement: <code>TABLE <i>table_name</i></code> . Italic type also is used for book titles and emphasis.
<code>monospace</code> <code>MONOSPACE</code>	Monospace type indicates code components such as user exits and scripts; the names of files and database objects; URL paths; and input and output text that appears on the screen. Uppercase monospace type is generally used to represent the names of Oracle GoldenGate parameters, commands, and user-configurable functions, as well as SQL commands and keywords.
UPPERCASE	Uppercase in the regular text font indicates the name of a utility unless the name is intended to be a specific case.
{ }	Braces within syntax enclose a set of options that are separated by pipe symbols, one of which must be selected, for example: { <i>option1</i> <i>option2</i> <i>option3</i> }.
[]	Brackets within syntax indicate an optional element. For example in this syntax, the <code>SAVE</code> clause is optional: <code>CLEANUP REPLICAT <i>group_name</i> [, <i>SAVE count</i>]</code> . Multiple options within an optional element are separated by a pipe symbol, for example: [<i>option1</i> <i>option2</i>].

1

Oracle GoldenGate Veridata Context Sensitive Help Topics

This chapter contains page-level, reference-style topics for Oracle GoldenGate Veridata web user interface.

This chapter contains the following topics:

- [Oracle GoldenGate Veridata Home Page](#)
- [All Running Jobs Page](#)
- [All Finished Jobs Page](#)
- [Details For the Finished Job Page](#)
- [Details For the Finished Group Page](#)
- [Details For all Finished Compare Pairs Page](#)
- [Details For Running Compare Pair Page](#)
- [Details For Running Group Page](#)
- [Details For Running Job Page](#)
- [Repair Jobs Page](#)
- [Details for Out-of-Sync Job](#)
- [Connection Configuration](#)
- [Creating a Connection](#)
- [Editing a Connection](#)
- [Deleting a Connection](#)
- [Group Configuration](#)
- [Creating a Group](#)
- [Editing a Group](#)
- [Deleting a Group](#)
- [Existing Compare Pairs](#)
- [Pattern Mapping](#)
- [Pattern Mapping Preview](#)
- [Manual Mapping](#)
- [Compare Pair Preview](#)
- [Column Mapping Configuration](#)
- [Column Mapping](#)
- [Expanding DDL Settings](#)
- [Column Pair Configuration](#)

- [Job Configuration](#)
- [Creating a Job](#)
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- [Profile Configuration](#)
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- [Running a Job](#)
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- [Selecting a Job](#)
- [Selecting a Job Profile](#)
- [Selecting a Schema](#)
- [Selecting a Catalog](#)
- [Selecting a Connection](#)
- [Selecting a Group](#)
- [Comparing Pair Row Partitions](#)
- [Overriding Run Options](#)
- [Reports Page](#)
- [Comparison Report](#)
- [User Preferences](#)
- [The Favorites Manager](#)
- [Applying Filters](#)

Oracle GoldenGate Veridata Home Page

You can use the Oracle GoldenGate Veridata web-based user interface to configure and execute comparison jobs. This interface can be configured on any workstation that has a supported browser. [More](#)

View Options

Under View, you can toggle between **Finished jobs** and **Running Jobs**.

To refresh the page, click the **Refresh** button. You can set the default rate for automatic refreshes by setting user preferences. See [Setting General User Preferences](#).

Chart Views

If Running Jobs is the Home page view, the chart shows an aggregate status of all compare pairs in jobs that are running. If Finished Jobs is the Home page view, the chart view shows all compare pairs in jobs that finished within the time interval that is specified with home page preferences. See [Possible status values](#).

Drilling Down from the List View

To control the view even more, filter the list with Filters. See [Applying Filters](#).

Depending on whether you select Running Jobs or Finished Jobs, the list view contains:

- Times and statistics for each running or finished job.
- Node markers (+) that can be expanded to view at-a-glance details of a specific group and compare pair.
- Links from each listed object that go to the details page for that object.

To view all running jobs or all finished jobs, click the link at the bottom of the page.

Possible status values

Status	Description
In-Sync	Indicates the number of compare pairs that contains in-sync rows.
Out-Of-Sync	Indicates the number of compare pairs that contains out-of-sync rows.
Failed	Indicates the number of failed compare pairs after processing.
Canceled	Indicates the number of compare pairs which were not processed.
Waiting	[Only for Running Jobs] Indicates the number of compare pairs that are waiting to be processed.
Running	[Only for Running Jobs] Indicates the number of compare pairs that are still running.

Related Topics

"About Oracle GoldenGate Veridata" in *Administering Oracle GoldenGate Veridata*

"Managing the Page View" in *Oracle GoldenGate Veridata User's Guide*

All Running Jobs Page

Use the All Running Jobs page to view near-real-time information about jobs that are running. To access this page, click **Running Jobs** in the navigation pane.

The Chart View

The chart view shows an aggregate status for all of the compare pairs that are contained in all of the jobs that are running.

The List View

The list view shows statistics and status conditions for the running comparisons. By default, the list is organized within the context of the job as a unit. You can filter the list to organize it by group or compare pair, and by comparison status.

- A quick way to change the context of the list is to click **View By Job** or **View By Group** or **View By Compare Pair** under the Running Jobs node in the navigation pane. The columns change context based on the selected node.

- To further refine the list, click any section of the Compare Pair Status chart to display jobs that contain compare pairs with the selected status. (See **Possible comparison status conditions**.) Click **View All Statuses** to view all jobs.
- To control the view even more, filter the list with Filters. See [Applying Filters](#).

Possible comparison status conditions

Status	Description
In-Sync	Indicates the number of compare pairs that contains in-sync rows.
Out-Of-Sync	Indicates the number of compare pairs that contains out-of-sync rows.
Failed	Indicates the number of failed compare pairs after processing.
Canceled	Indicates the number of compare pairs which were not processed.
Waiting	[Only for Running Jobs] Indicates the number of compare pairs that are waiting to be processed.
Running	[Only for Running Jobs] Indicates the number of compare pairs that are still running.

Drilling Down

Click a name in the list to view details for a specific job, group, or compare pair, depending on the view that you selected.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

All Finished Jobs Page

Use the All Finished Jobs page to view near-real-time information about jobs that are finished. To access this page, click Finished Jobs in the navigation pane.

By default, this page shows all finished jobs. Use the Time Range Filter to constrain the view as needed.

To Use the Time Range Filter

- **Most Recent Comparison Run:** Selects the most recent run for each job that exists.
- **View Last:** Selects all of the runs of all of the jobs that started within the last *n* Hours or Minutes.
- **From:** Selects all of the runs of all of the jobs that finished within a specific date range, with the option to include the time of day. Supply date and time formats in GMT (Greenwich Mean Time).

Click **Apply Filter** to activate your selection. The filter selects both cancelled and completed jobs.

The Chart View

The chart view shows an aggregate status for all of the compare pairs in all of the finished jobs that you selected with the Time Range Filter.

The List View

The list view shows statistics and status conditions for the comparisons that finished within the selected time range. By default, the list is organized within the context of the job as a unit. You can filter the list to organize it by group or compare pair, and by comparison status (See Possible comparison status conditions.).

- A quick way to change the context of the list is to click **View By Job**, **View By Group**, or **View By Compare Pair** under the Finished Jobs node in the navigation pane. The columns change context based on the selected node.
- To further refine the list, click any section of the Compare Pair Status chart to display jobs that contain compare pairs with the selected comparison status, such as Out-Of-Sync. Click **View All Statuses** to view all jobs.
- To control the view even more, filter the list with Filters.

To see full filter options for the Finished Jobs list, expand **Filters**. See [Applying Filters](#)

Possible Comparison Status Conditions

Status	Description
In-Sync	Indicates the number of compare pairs that contains in-sync rows.
Out-Of-Sync	Indicates the number of compare pairs that contains out-of-sync rows.
Failed	Indicates the number of failed compare pairs after processing.
Canceled	Indicates the number of compare pairs which were not processed.

Drilling Down

Click a name in the list to view details for a specific job (see [Details For the Finished Job Page](#)), group (see [Details For the Finished Group Page](#)), or compare pair, depending on the view that you selected.

Viewing Reports

Reports show processing results and the causes of errors. Click in the Reports column of the list to view the report for a specific job, group, or compare pair.

Purging Reports using the Delete option

To purge old reports, compare results, and obsolete data, use the **Delete** option in the Finished Jobs list view. In the Finished Jobs list, select the job(s) for which you want to purge reports by clicking the Select check box and then click **Delete**.

When you purge job reports, select the optional **Delete Directories completely** check box to delete the entire reports directory content, including files and directories created by the user.

By default, the **Delete Directories completely** check box is not selected and therefore only the files created by Veridata are purged. The directories are purged only if they are empty after the Veridata files are purged. Files created by users within the reports directories will not be deleted.



Note:

Purging can only be done for finished jobs. You cannot purge reports for compare pairs or groups.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Details For the Finished Job Page

Use the Details For Finished Job page to view information about a specific run of a finished job. This page shows:

- The name and description of the job
- The start and end times of this run
- The duration of this run (how long it took to be processed)

The Chart View

The chart view shows the aggregate status of all of the compare pairs in all of the groups that were processed in this job run.

The List View

The list view initially shows all of the groups that were processed in this job run. You can filter the list by using the Filters option.

To filter the list:

- To filter the list based on a specific outcome for the compare pairs in this job, click that section of the Compare Pair Status chart.
- You can get this same filter by expanding Filters and using Show Groups With Comparison Status.
- Within Filters, you can also filter by group name. Supply a search string for Show Group Name Like. All group names that contain this string are displayed.

Click **Apply Filter** to activate the filter.

Possible Comparison Status Conditions

Status	Description
In-Sync	Indicates the number of compare pairs that contains in-sync rows.
Out-Of-Sync	Indicates the number of compare pairs that contains out-of-sync rows.
Failed	Indicates the number of failed compare pairs after processing.
Canceled	Indicates the number of compare pairs which were not processed.

Viewing Reports

To view the comparison reports for any group in this job run, click Report in the row of that group.

Drilling Down

Click a group name in the list to view the Details for Finished Group page. This page provides results at the group level.

Other Actions From Here

To edit this job, click **Job Configuration...** at the top of the page to go to the Edit Job page.

To run the job from this page, click **Run...** at the top of the page to go to the Run/Execute Job page.

To repair an out-of-sync job, click **Repair** at the top of the page.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Details For the Finished Group Page

Use the Details For Finished Group page to view information about a specific run of a finished group. This page shows:

- The name and description of the group
- The start and end times of this run
- The duration of this run (how long it took to be processed)

Host Connection Information shows the source and target connections that were used for this run of the group. See [Connection Configuration](#).

The Chart View

The chart view shows the aggregate status of all of the compare pairs that were processed for this group in this run.

The List View

The list view initially shows all of the compare pairs that were processed for this group in this run. You can filter the list by using the Filters option.

To filter the list:

1. Expand Filters to show filter options. You can filter by the following attributes:
 - **Comparison Status:** select from the Show Compare Pairs With Status list to show all of the compare pairs (default) in the group or to constrain the list based on those with a specific comparison status. You can get this same filter by clicking any status within the Compare Pair Status chart. (See Possible comparison status conditions.)
 - **Show Compare Pair Name Like:** filters based on a string in compare pair names.
 - **Show Compare Pairs Where Amount of OOS Rows:** select from the list to show only those compare pairs that contain an amount of out-of-sync rows that is greater than, smaller than, or equal to a specific value. Using this filter helps you focus on tables or files that have the most out-of-sync rows.

2. Click **Apply Filter** to activate the filter.

Example 1-1 Possible Comparison Status Conditions

Status	Description
In-Sync	Indicates the number of compare pairs that contains in-sync rows.
Out-Of-Sync	Indicates the number of compare pairs that contains out-of-sync rows.
Failed	Indicates the number of failed compare pairs after processing.
Canceled	Indicates the number of compare pairs which were not processed.

Example 1-2 Viewing reports

To view the comparison report for a compare pair in this run, click **Report** in the Reports column of the list.

To view the out-of-sync report for a compare pair, click **View** in the OOS Rows column in the list. This link is only shown if a compare pair has out-of-sync rows.

Example 1-3 Drilling Down

Click a compare pair in the list to view the Details for Finished Compare Pair page (see [Details For all Finished Compare Pairs Page](#)).

Other Actions From Here

To edit this group, click **Group Configuration...** at the top of the page to go to the Edit Group page.

To run the job that is associated with this group, click **Run...** at the top of the page to go to the Run/Execute Job page.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Details For all Finished Compare Pairs Page

Use the Details for Finished Compare Pair page to view near-real-time information about a compare pair that is finished.

The upper portion of the page shows specific information about the compare pair as follows:

Field	Description
Compare Pair Name	The name for the compare pair.
Source Table and Target Table	The names of the underlying source and target objects.
Compare Pair Run ID	The identifier used by Oracle GoldenGate Veridata Server while running a comparison. It is useful for locating messages related to this comparison in the veridata.log file, which is used for troubleshooting purposes when resolving support cases.
Compare Pair Start Time	The time when processing started for this compare pair.

Field	Description
Compare Pair Run Duration	How long it took to process this compare pair.
Run Status	The outcome of this comparison (Waiting, Canceled, Canceling, Running, Finished).
Comparison Status	The status of the comparison (see Possible comparison status conditions.) If delta processing is enabled for this compare pair, the delta symbol is displayed.
Repair Status	The repair status of compare pair. If compare pair is <i>In-Sync</i> during initial compare or, repair is never attempted, the column is left blank.
Overall Rows Compared	The total number of rows in the source and target objects that were compared during this run of the compare pair.
Overall Rows With Out-Of-Sync	The number of rows in the source and target objects that are out-of-sync.

Using the Charts

The charts on this page help you to determine what types of operations are causing the most out-of-sync conditions and which phases of processing are taking the most time to complete.

Overall Rows Compared Pie Chart

Plots the result from the Overall Rows Compared field according to the possible outcomes of the comparison: In-Sync or Out-Of-sync.

Operations Out-Of-Sync Pie Chart

Plots the number of out-of-sync rows according to their operation type:

- **Inserts:** source table has the row, but the target does not.
- **Updates:** source table has different row values from the target.
- **Deletes:** target table has the row, but the source does not.

Compare Pair Performance Table

Lists performance statistics based on each phase of a run: the sorting phase (for source and target), the initial comparison phase, and the confirmation phase.

Note: sorting statistics are only available if the job profile specifies server-side sorting (row sorts are performed by Oracle GoldenGate Veridata, not by the database engines).

- **Start Time:** The time that a run phase started.
- **Run Duration:** The amount of time that it took to complete a run phase.
- **Rows Processed:** The number of rows that were processed in a run phase.
- **Rows Per Second:** The performance rate of a run phase, in terms of rows processed.
- **Bytes Processed:** The overall volume of data, in bytes, that was processed in a run phase.

- **Bytes Per Second:** The performance rate of a run phase, in terms of bytes processed.

Compare Pair Performance History Chart

Plots the performance of each of the run phases as a bar chart. To use this chart:

1. From View Step, select a run phase to plot.
 - Initial comparison step: Select Initial Compare.
 - Confirmation step: Select Confirm Out-Of-Sync.
 - Sorting process: Select Sorting.
2. From View Performance History By, select the criterion for this performance analysis. This sets the units of measure for the vertical axis of the chart. You can measure:
 - Number of rows or bytes that were processed
 - Number of rows or bytes per second that were processed
 - Run duration (the time spent processing the rows)

Other Actions From Here

To view a report of the results for this run of this compare pair, click **View Comparison Report**.

To view details about out-of-sync rows, including column values, click View Out-Of-Sync Rows. This link only appears if the compare pair has out-of-sync rows.

To edit this compare pair, click **Compare Pair Configuration** at the top of the page to go to the Compare Pair Configuration page.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Details For Running Compare Pair Page

Use the Details for Running Compare Pair page to view near-real-time information about a compare pair that is running.

The **Compare Pair Details** section of the page shows specific information about the compare pair as follows:

Field	Description
Compare Pair Name	The name for the compare pair.
Source Table and Target Table	The names of the underlying source and target objects.

Run Information

Lists performance statistics based on each phase of a run: the sorting phase (for source and target), the initial comparison phase, and the confirmation phase. Note: sorting statistics are only available if the job profile specifies server-side sorting (row sorts are performed by Oracle GoldenGate Veridata, not by the database engines).

- **Start Time:** The time that a run phase started.
- **Run Duration:** The amount of time that it took to complete a run phase.
- **Rows Processed:** The number of rows that were processed in a run phase.
- **Rows Per Second:** The performance rate of a run phase, in terms of rows processed.
- **Bytes Processed:** The overall volume of data, in bytes, that was processed in a run phase.
- **Bytes Per Second:** The performance rate of a run phase, in terms of bytes processed.

Using the Charts

The charts on this page help you to determine what types of operations are causing the most out-of-sync conditions and which phases of processing are taking the most time to complete.

Overall Rows Compared Pie Chart

Plots the result from the Overall Rows Compared field according to the possible outcomes of the comparison: In-Sync or Out-Of-sync.

Operations Performed Per Comparison Phase

The **Operations Performed Per Comparison Phase** chart plots possible out-of-sync conditions against the different phases of processing that are taken to evaluate rows. The x axis plots the different comparison processing phases:

- **Initial Compare:** This represents the initial phase of processing where the compare pair metadata is being processed and rows are being fetched, sorted, and initially evaluated.
- **Persistent OOS:** This is a status of the confirmation step where the target values have not changed since the initial comparison step, and they still are not the same as those of the source.
- **In-Sync-After In-flight:** This is a status of the confirmation step where the target values match the source values that were retrieved during the initial comparison, implying that the source values were applied to the target row by replication or another method.
- **Still Changing:** This is a status of the confirmation step in which the target row values have changed after being out-of-sync in the initial comparison, but source and target values still do not match. In this case, it is assumed that replication or another mechanism applied the changes, but Oracle GoldenGate Veridata was unable to confirm that the rows were in-sync.

The y axis plots the number of out-of-sync conditions for each phase, labelled as the following:

- **Inserts:** The source has a row, but the target does not.
- **Updates:** The source row has a different value than that of the target.
- **Deletes:** The target has a row, but the source does not.

Other Actions From Here

To update the statistics that are shown on this page, click **Refresh Page**. By default, statistics are refreshed every 30 seconds. You can change the refresh rate by setting the Poll/Refresh Interval parameter. See [Setting General User Preferences](#).

To stop comparison, click **Stop Compare Pair**. The Details for Finished Compare Pair is displayed and it shows the processing status of the compare pair.

To view the results for a finished compare pair, go to the Details for Finished Compare Pair page.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Details For Running Group Page

Use the Details for Running Group page to view near-real-time information about a group that is running.

The **Group Details** section of the page shows specific information about the group as follows:

- The name and description of the group
- The start time of this run
- The duration of this run (how long it is being processed)

Using the Charts

The charts on this page help you to determine what types of operations are causing the most out-of-sync conditions and which phases of processing are taking the most time to complete.

Other Actions From Here

To stop comparison, click **Stop Group**. The Details for Finished Group is displayed and it shows the processing status of the group.

To refresh the running status on the page, click **Refresh Page**.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Details For Running Job Page

Use the Details for Running Job page to view near-real-time information about a job that is running.

The **Job Details** section of the page shows specific information about the job as follows:

- The name and description of the job
- The current running status

- The start time of this run
- The duration of this run (how long it is being processed)

Using the Charts

The charts on this page help you to determine what types of operations are causing the most out-of-sync conditions and which phases of processing are taking the most time to complete.

Other Actions From Here

To stop comparison, click **Stop Job**. The Details for Finished Job is displayed and it shows the processing status of the job.





To refresh the running status on the page, click **Refresh Page**.





Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Repair Jobs Page

The Repair Jobs page displays a summary of all repair jobs. You can use the Filters on this page to display older repair jobs and to filter repair jobs by repair status and job name. Following are the possible statuses that are displayed in the Repair Status column for repair jobs.

Icon	Description
	Cancelling: Indicates that a cancel has been requested, but the item has not stopped processing.
	Running: Indicates that an active repair job is running.
	Pending: Indicates that a repair request is pending. This status appears for repair groups and repair pairs within a running repair job.
	Errors: Indicates that the repair job is completed with an error.

Icon	Description
	Cancelled: Indicates that the repair job operation was cancelled.
	Warnings: Indicates that one or more rows could not be repaired.
	Out-Of-Sync: Indicates that the row was out-of-sync in the base comparison and no repair has been attempted.
	Successful: Indicates that a repair operation has been successfully applied.

Related Topics

"Repairing Out-Of-Sync Jobs" in *Oracle GoldenGate Veridata User's Guide*

[Details for Out-of-Sync Job](#)

Details for Out-of-Sync Job

The Details for Out-of-Sync Job page contains all information about a finished comparison job that is finished with one or more out-of-sync compare pairs. When the page is initially displayed, a summary of the out-of-sync job and the list of out-of-sync Groups belonging to the out-of-sync Job are displayed. The out-of-sync Group items can be expanded to display the list of out-of-sync compare pairs. Each out-of-sync Compare pair item can be expanded to display the summary information and the list Out-of-Sync rows.

Element	Description
Job Details	<p>This section displays the number of items that were out-of-sync during the base comparison and the cumulative statistics on the repair operations applied to the base comparison. The following information are displayed for the out-of-sync job:</p> <ul style="list-style-type: none"> Initial Out-of-Sync Repaired Failed Repair Not Repaired
Repair Configuration Options	Specify the options to repair the out-of-sync job.

Element	Description
Database User Name	This database user name can be used to override the repair user specified on the database connection for the target database. The user must have the required privileges to use the Repair feature. More
Password	The password for the specified database user name. This password is used for the duration of the repair operation. It is not stored by Veridata.
Job Profile	The profile can be overridden. See Selecting a Job Profile .
Set Override Run Options...	Set the repair settings here. See Repair Settings options.

Click **Run Repair** after specifying the configuration options to repair the out-of-sync job.

Only authorized users with `veridataRepairOperator` role can initiate repair jobs. More

If a repair job is running for the base comparison job, this page displays the current status for the running repair job and will periodically refresh itself. After one or more repair jobs have been run against a base comparison, this page displays the cumulative statistics for all of the repair jobs.

Related Topics

"Repairing Out-Of-Sync Jobs" in *Oracle GoldenGate Veridata User's Guide*

"Database Privileges for the Agent Component" in

Connection Configuration

All connections that exist within the Oracle GoldenGate Veridata repository are shown in the **Existing Connections** list on this page. More

Expand Filters to reveal filter options. Strings are matched character for character.

- Name Like: Use a string to filter by connection name.
- Description Like: Use a string to filter by matching strings in the description.
- Datasource Type: Select from the drop-down list to filter by the data source type.

Click **Apply Filter** to display the selected connections.

Use the Connection Configuration page to:

- [Creating a Connection](#)
- [Editing a Connection](#)
- [Deleting a Connection](#)

Other Configuration Tasks

- [Group Configuration](#)
- [Existing Compare Pairs](#)
- [Job Configuration](#)

Related Topics

"Configuring Workflow Objects" in *Oracle GoldenGate Veridata User's Guide*

Creating a Connection

Enter the following details in the **New Connection Assistant** wizard to create a new connection:

Element	Description
Task1: Connection Name	Specify a name for the new connection.
Name	A name for the connection.
Description	(Optional) Specify a description for the new connection.
Task2: GoldenGate Connection	Enter the GoldenGate connection details.
Host Name or IP Address	The DNS (Domain Name Server) host name or IP address of the host where the Oracle GoldenGate Veridata Agent is installed. See the Oracle GoldenGate Veridata Administrator Guide for installation instructions, if needed.
Port	The port number that is assigned to the agent (or the Manager process, if a C-agent). To find out the port number of a Java agent, view the server.port parameter in the agent.properties file within the agent's installation directory. To find out the port number for a C-agent Manager, run the GGSCI program from the agent's installation directory, and then use the <code>INFO MANAGER</code> command.
Datasource Type	The type of data source (for example Oracle or Teradata).
Use SSL for Communication	Select this check box for secure communication between the Veridata agent and the server. If this check box is not selected, then plain socket communication is used between the Veridata agent and the server. This check box is disabled by default. You can enable SSL communication for all connections by changing the SSL setting in the <code>veridata.cfg</code> file of the Veridata server. More
Task3: Datasource Connection	Enter more details for this connection.
User	Specify a user name for connection to the data source during a comparison. This user should have the required permission to query all of the tables to be compared. More Note: When no "Repair User" is configured, this user will also be used as the repair user.
Password	A password for connecting to the data source (if required by the database).
Datasource Connection for Repair (Optional)	A separate user can be configured for executing repair operations at the target database. This user needs permission to update as well as to query the tables. More
Repair User	Specify a user name for connecting to the data source.
Repair Password	Specify the password for the above user name.

Click the **Test Connection** button to confirm that the specified information is correct. If you have selected the **Use SSL for communication** check box in the previous screen, SSL will be used for communication between the Veridata Agent and the Server.

Related Topics

"Configuring Workflow Objects" in *Oracle GoldenGate Veridata User's Guide*

"Configuring Security for Oracle GoldenGate Veridata" in .

Editing a Connection

Use the Edit Connection page to edit connection information. The settings on this page are applied globally to all comparisons that are run from the associated data source, unless an override is permitted elsewhere.

Edit the following connection information on this page:

- [Connection Details](#)
- [Connection Settings](#)
- [Connection Properties](#)

Note:

You must have the Administrator or Power User **role** to edit a connection.

Connection Details

This tab captures the information that is required for the Oracle GoldenGate Veridata Agent to connect to a database.

Element	Description
Name	This name cannot be changed. This is the name that you had specified while creating the connection.
Description	A description is optional and can be edited as needed.
GoldenGate Connection	Enter the GoldenGate connection details.
Host Name or IP Address	The DNS (Domain Name Server) host name or IP address of the host where the Oracle GoldenGate Veridata Agent is installed. See the Oracle GoldenGate Veridata Administrator Guide for installation instructions, if needed.
Port	The port number that is assigned to the agent (or the Manager process, if a C-agent). To find out the port number of a Java agent, view the server.port parameter in the agent.properties file within the agent's installation directory. To find out the port number for a C-agent Manager, run the GGSCI program from the agent's installation directory, and then use the INFO MANAGER command.
Datasource Type	The type of database that is accessed by this connection. This attribute cannot be changed.

Element	Description
Datasource Connection	Enter more details for this connection.
User	A user name for connecting to the data source.
Password	A password for connecting to the data source (if required by the database). For required data source permissions, see the Oracle GoldenGate Veridata Administrator Guide.
Datasource Connection for Repair (Optional)	A separate user can be configured for executing repair operations at the target database. This user needs permission to update as well as to query the tables. More
Repair User	Specify a user name for connecting to the data source.
Repair Password	Specify the password for the above user name.

Connection Settings

This tab modifies the behavior of the agent.

A check mark under Use Default indicates that a parameter is set to the default value.

The current setting is shown under Value.

If the parameter is a toggle, a check mark under Value indicates that it is enabled.

To Change a Setting

1. Clear the Use Default box.
2. Make your change under Value.
3. Click **Save**.

You can set values for the following parameters:

Setting	Description
Agent Message Timeout (seconds)	Specifies a time interval, in seconds, after which Oracle GoldenGate Veridata Server abends if it has not received a message from the Oracle GoldenGate Veridata Agent.
Truncate Trailing Spaces When Comparing Values	Truncates trailing spaces when comparing string-type columns. If a column only contains spaces, the first space is kept. Truncating trailing spaces is useful when comparing columns that have different lengths. Trailing spaces are truncated from VARCHAR columns automatically, regardless of how this parameter is set. Trailing spaces on LOB data are not trimmed.
Initial Compare Fetch Batch Size	(Oracle Database only) Sets the number of rows that are fetched at once for the initial comparison. Increasing the batch size may increase throughput, as compared to standard database access. The default of 0 fetches a batch size of 1000 rows. Any other value that you supply will be the actual number of rows fetched. If used, a value of at least 100 rows is recommended. Values greater than 1000 usually are not productive and waste memory.
Use Secure Socket Layer (SSL) for agent-server communication	Select this check box for secure communication between the Veridata Agent and the server.

Connection Properties

This tab defines rules for how each data type in the underlying database is interpreted and mapped if compared to data from a different type of database. This tab sets global values for all instances of a data type. To override the format mapping of a specific column in any given table, go to the Column Mapping Configuration page for the compare pair and then use the User Defined column mapping method.

The supported data types are displayed with default mappings to Oracle GoldenGate comparison formats. In cases where the automatic mapping is not sufficient, you can select another supported format.

To change a format setting:

1. Clear the **Use Default** check box.
2. Make a selection under Comparison Formats.
3. Depending on the data type and format that you specified for Comparison Formats, you might need to supply or select additional information in the Precision, Scale, and Timezone columns.
4. Click **Save**.

Related Topics

"Configuring Workflow Objects" in *Oracle GoldenGate Veridata User's Guide*

Deleting a Connection

Before deleting a connection, you must un-link it from any groups and jobs to which it is linked, or delete the group or job if appropriate.

To delete a connection, select it in the Select column of the Existing Connections list, and then click the Delete button. Only one connection can be deleted at a time.

Related Topics

"Configuring Workflow Objects" in *Oracle GoldenGate Veridata User's Guide*

Group Configuration

Groups are logical containers for one or more compare pairs. They help you to organize and partition large or diverse sets of data into more manageable units. Groups are linked to jobs when jobs are created. Any group can be linked to one or more jobs, allowing you complete control over how and when data is compared.

Note:

A group is associated with a set of connections to the source and target data. Before creating a group, you must create these connections.

All groups that are defined within the Oracle GoldenGate Veridata repository are shown in the Existing Groups list on this page.

Applying Filters

Expand **Filters** and type a search string in one of the following boxes. Strings are matched character for character.

- **Name Like:** filters by group name.
- **Description Like:** filters based on a matching string in the description.
- **Source Connection Names Like:** filters by the name of the source connection.
- **Target Connection Names Like:** filters by the name of the target connection.

Click **Apply Filter** to display the selected groups.

Related Topics

"Configuring Workflow Objects" in *Oracle GoldenGate Veridata User's Guide*

Creating a Group

Enter the following details in the **New Group Assistant** wizard to create a new group:

Element	Description
Task1: Group Name	Specify a name and description for the new compare group.
From	(Optional) Select a group from the existing group list. Click Browse to apply filters and to narrow down your search in the existing group list.
Name	Specify a name for the new group.
Description	(Optional) Specify a description for the new group.
Task2: Connection Information	Link data source connections with the group.
Source Connection	Select the source connection associated with the group from the drop-down list, or click the Browse button to find it using the Select a Connection page, which provides filtering options. The connection override applies only to this group.
Target Connection	Select the target connection associated with the group from the drop-down list, or click the Browse button to find it using the Select a Connection page, which provides filtering options. The connection override applies only to this group.

Click the **Finish** button to create the group.

Select **Go to Compare Pair Configuration...** check box in the next screen to open the Compare Pair Configuration page.

Related Topics

[Existing Compare Pairs](#)

Editing a Group

Enter the following details on the Selected Group page to modify a compare group:

Element	Description
Task1: Group Name	Specify a name and description for the new compare group.
Name	Displays the name for the group. You cannot change the name of the group.
Description	(Optional) Specify a new description for the group.
Task2: Connection Information	Link data source connections with the group.
Source Connection	Select the source connection associated with the group from the drop-down list, or click the Browse button to find it using the Select a Connection page, which provides filtering options. The connection override applies only to this group.
Target Connection	Select the target connection associated with the group from the drop-down list, or click the Browse button to find it using the Select a Connection page, which provides filtering options. The connection override applies only to this group.

Click the **Save** button to finish editing the group.

Click **Go to Compare Pair Configuration...** at the bottom of this page to open the Compare Pair Configuration page.

Related Topics

[Existing Compare Pairs](#)

Deleting a Group

Before deleting a group, you must remove it from any jobs to which it was linked (or delete the job if appropriate.) To delete a group, select it in the Select column of the Existing Groups list, and then click the Delete button. Only one group at a time can be deleted.

Related Topics

[Creating a Group](#)

[Editing a Group](#)

Existing Compare Pairs

All of the source and target objects that you configure into compare pairs for any given group must be accessible from the data source connections that are associated with that group.

Note:

Before creating compare pairs, you must create a group to contain them.

Use the **Compare Pair Configuration** page to view, create, modify, and save compare pairs and their column mappings.

The Group Information section at the top of this page displays information about the group that you are working with.

The tabs on this page contain the tools that you need to work with compare pairs.

The Existing Compare Pairs tab is your start point. It displays any compare pairs that currently exist in the selected group. The columns in the Existing Compare Pairs list show details about those compare pairs.

To create compare pairs, use either of the Mapping methods:

- [Pattern Mapping](#)
- [Manual Mapping](#)

You can use a combination of both mapping methods, if needed. Use the pattern method first, and then use the manual method for any objects that remain unmapped, or to make revisions such as to add row partitions.

Existing Compare Pair List Details

The following table describes each column in the **Existing Compare Pairs** list.

Name of the Column	Description
Compare Pair Name	This is either the default name format of <i>source=target</i> or a user-defined name. In either case, if you hover the mouse cursor over a compare pair name, the actual source and target object names are displayed.
Column Mapping	Links to the Column Mapping Configuration page, where you can create or edit the mappings between the source and target columns of a compare pair.
Source Catalog (Some platforms)	The source metadata catalog or database.
Source Schema	The owner of the source database objects that are to be compared.
Target Catalog (Some platforms)	The target metadata catalog or database.
Target Schema	The owner of the target database objects that are to be compared.
Row Partition	If any row partitions (subsets) are defined, there is a notification here. Otherwise, this field is blank.
Profile	If a run profile exists for a compare pair, it is shown here. Otherwise, this field is blank and the default profile will be used during comparisons. (A profile can be specified for an individual compare pair on the Manual Mapping tab.)
Validation Status	Shows whether or not the columns of the source and target objects are suitable for being compared, based on the results of any previous validation that was performed.
Key Mapping Method	Can be either System Generated or User Defined, depending on the method that was chosen to map the key columns for this compare pair.
Column Mapping Method	Can be either System Generated or User Defined, depending on the method that was chosen to map the non-key columns for this compare pair.

To filter the Existing Compare Pair list:

1. Expand Filters to expose filter options.
 - Compare Pairs with Status filters on one of the following:
 - Validated means that the source and target columns are compatible and suitable for comparison.
 - Preliminary Validation Failed means that a preliminary validation (done from a configuration page and not by a runtime process) failed.
 - Runtime Validation Failed means that the compare pair failed the runtime validation when a job was started.
 - The remaining options filter based on a string that matches a string in:
 - a compare pair name
 - a table or file name
 - a profile name
2. Click **Apply Filter** to display the selected compare pairs.

Related Topics[Creating a Group](#)

Controlling Delta Processing

You can enable or disable delta processing for database compare pair from the Delta Processing tab and the Existing Compare Pairs tab of the Compare Pair Configuration page. In addition, you can use the Delta Processing Enabled check box on the Run Configuration page to toggle this feature.

From the Existing Compare Pairs tab, you can enable or disable delta processing for any or all compare pairs. Select their names in the Select column (or select Page to select all pairs on the current page), and then click **Enable Delta Processing** or **Disable Delta Processing**. When delta processing is enabled, a delta symbol appears next to the name of the affected compare pair.

How do I configure delta processing?

On the Column Mapping Configuration page, click the **Delta Processing** tab. By default, the options are automatically populated and the Enable Delta Processing check box is selected. You can disable the feature by deselecting the check box, which renders all other options inactive.

You can use the defaults or change any of the following:

- the source or target columns for processing,
- whether to use a source or target query
- the source or target database query

After you have configured the delta processing for the compare pair, click **Save** to apply your changes.

For more information, see the "Using Delta Processing" section in *Oracle GoldenGate Veridata User's Guide*.

Deleting a Compare Pair

Use the Compare Pair Configuration page to delete compare pairs.

You must have the Administrator or Power User role to delete compare pairs.

To delete compare pairs:

1. Make the Existing Compare Pairs tab active.
2. (Optional) Expand Filters to filter the Existing Compare Pairs list as needed, and then click **Apply Filter**. You can filter by:
 - Compare Pairs with status
 - **Validated** means that the source and target columns are compatible and suitable for comparison.
 - **Preliminary Validation Failed** means that the compare pair has not been processed in a job yet, but a preliminary validation failed.
 - **Runtime Validation Failed** means that the compare pair failed the runtime validation when a job was started.
 - Compare Pair Like

The default name format is `source_table/file=target_table/file` but a compare pair can have a user-defined name instead. The filter returns names containing the specified string.
 - Source Table Name Like and Target Table Name Like

To determine the source and target table or file names if a user-defined name is shown, hover the mouse cursor over the name of the compare pair in the list. A hint appears showing the actual names.
 - Profile Name Like

There will be a profile name shown if one was specified to override the default profiles for jobs that contain this compare pair.
3. In the Select column, select the compare pairs that you want to delete, or select the Page check box to delete all of the compare pairs on the page. Use the page management tools to make selections on other list pages as needed.
4. Click **Delete**. You will be prompted to confirm your request.

Related Topics

[Existing Compare Pairs](#)

[Manual Mapping](#)

Pattern Mapping

Use the Pattern Mapping tab to create new compare pair by using:

- An exact name match (for example TAB1=TAB1).
- A SQL percent (%) wildcard or an asterisk (*) wildcard to map differently named source and targets whose naming conventions support wildcarding.

Related Topics

"Mapping Objects Using a Pattern" in *Oracle GoldenGate Veridata User's Guide*.

Pattern Mapping Preview

The Pattern Mapping Preview page displays the objects that are selected with the wildcards.

Related Topics

[Pattern Mapping](#)

Manual Mapping

Use the Manual Mapping tab to map source objects to target objects one at a time. This method is useful when source and target names differ vastly and cannot be mapped by using wildcards.

Note:

The manual mapping tab is also where you configure row partitions for new or existing compare pairs.

To create compare pairs using manual mapping, see [Mapping Objects Manually](#).

You must have the Administrator or Power User role to edit compare pairs.

To edit compare pair properties:

You can change any of the following. After you make a change, click **Save**.

- To change the name of the compare pair
Type the new name in the Compare Pair Name field. The name cannot contain spaces but can contain underscores and equal signs. It is case-sensitive.
- To control delta processing
From the drop-down list, select either **Enabled** or **Disabled**. To use delta processing, server-side sorting must be enabled.

To Change the Profile That is Associated with This Compare Pair

In the Profile field, select the name of the profile. Alternatively, you can click the Browse button next to Profile to browse for a profile using the [Select a Profile](#) page, which contains filtering options.

To Add or Change a Row Partition

Next to Row Partitions, click Configure. To add or edit a row partition, see "[Comparing Pair Row Partitions](#)".

To edit the column mapping

Make the Existing Compare Pairs tab active.

In the Column Mapping column, click Edit next to the compare pair whose column mapping you want to change.

Make your changes on the Column Mapping Configuration page.

Related Topics

[Pattern Mapping](#)

Compare Pair Preview

Unsaved compare pairs are shown in the Preview list, arranged into sections according to the method that you used to map the underlying tables or files. These sections can be:

- Pattern method using exact names
- Pattern method using SQL % wildcard
- Pattern method using Oracle GoldenGate * wildcard
- Manual method

Additional sections can exist based on whether a compare pair is new or edited.

Other actions from this page:

- Remove duplicate compare pairs. How?
- Edit a compare pair before saving it. How?

Related Topics

"Reviewing and Saving Compare Pairs" in *Oracle GoldenGate Veridata User's Guide*.

Column Mapping Configuration

To view and configure column mappings, use the Edit Column Mapping page.



Note:

You must create a compare pair before you can do column mapping. See [Existing Compare Pairs](#).

The top of the Edit Column Mapping page displays column information about the objects that you are working with. It shows:

- The name of the compare pair, its container group, and the underlying source and target objects.
- The methods of mapping keys and comparison columns (see [Column Mapping](#)).
- The status of column validation (see [Validating Column Mappings](#)).
- Configure delta processing see ([Controlling Delta Processing](#))

- If an Enscribe database, current Expand DDL settings (under Datasource Information). See [Expanding DDL Settings](#).

To View an Existing Column Mapping

Use the Existing Column Mapping tab to view the current mappings for the key columns and the comparison columns, and which method is being used to map them. This tab also shows the source and target columns that were excluded from being mapped, either explicitly by a user or because Oracle GoldenGate Veridata could not find a corresponding column with the same name.

To Test the Validity of the Current Mapping

It is possible for object metadata to change from the time that a column mapping was created to the time that you view it on the Existing Column Mapping tab. To confirm that the mapping is still valid, click Validate Column Mapping.

See [Validating Column Mappings](#).

To Create or Change a Column Mapping







Use the Column Mapping tab to create or change a column mapping.

You must have the Administrator or Power User role to create or edit column mappings.

Validating Column Mappings

Validation is a preliminary test to determine whether or not the source and target table structures are compatible, and that they both have primary or unique key columns that match. You can perform a manual validation at any time. Oracle GoldenGate Veridata always performs a validation at runtime.

The following are possible validation statuses.

Icon	Description
	Status is unknown.
	The pair passed the validation criteria, and a comparison can be run.
	No matching key could be found.
	Column names do not match.
	Column names match, but data types are incompatible.
	Unknown failure.

To Perform the Validation

Click Validate Column Mapping on the Existing Compare Pairs tab of the Compare Pair Configuration page. Make certain to place a check mark in the Select column for all of the pairs that you want to validate. The result is displayed under Validation Status.

You can also perform validation when you are configuring column mapping on the Column Mapping Configuration page. On the Compare Pair Configuration page, click **Edit** in the Column Mapping column.

Related Topics

"Validating Column Mappings" in *Oracle GoldenGate Veridata* .

Column Mapping

There are two methods for mapping key columns and comparison columns:

- System-generated: Column mappings are configured automatically by Oracle GoldenGate Veridata at runtime based on current object metadata.
- User-defined: Column mappings are configured manually by an Oracle GoldenGate Veridata user who has the Administrator or Power User role.

All new compare pairs default to System Generated for key columns and for comparison columns. You can change to a different mapping method at any time.
More

Related Topics

[Validating Column Mappings](#)

[Column Pair Configuration](#)

Expanding DDL Settings

For a NonStop Enscribe database, define the following settings for the data definition language (DDL).

Setting	Value
Include Redefined Columns	Controls whether redefined fields are included in the field selection. The default is to include redefined fields. Including redefinitions causes a column to be output for every elementary field item in the source definition, regardless of whether or not it redefines another field. To exclude redefined columns, clear the Use Default check box, then activate the Value check box.
Resolve Duplicate Field Names By Appending	Controls whether redundant field names are made unique by appending an index. The default is not to change redundant field names. To append an index, clear the Use Default check box, then select one of the following. <ul style="list-style-type: none">• Index: Appends an occurrence index number to the end of the field. For example, END-DATE.YY would by default become YY-2 if it is the second occurrence of YY in the definition. (You can change the separator and occurrence padding.)• Alpha Index: Appends an occurrence alpha character index (from A to Z) to the end of the field. For example, BEGIN-DATE.MM would become MM-A. Only elementary field names are changed.

Setting	Value
Resolve Duplicate Field Names By Prepending Group Name	Controls whether redundant field names are made unique by preceding the field name with the group name. The default is not to change redundant field names. To prepend a group name, clear the Use Default check box, then activate the Value check box. The field name will be preceded with the group name, using the first non-redundant group above the elementary item. Only elementary field names are changed. For example, <code>END-DATE.DATE-DEF.YY</code> would become <code>END-DATE-YY</code> (<code>DATE-DEF</code> is omitted).
Expand Group Arrays	Controls how Oracle GoldenGate Veridata handles fields that do not necessarily occur multiple times, but which are part of groups that occur multiple times. The default is to do nothing. To append indexes to those field names, clear the Use Default check box, then activate the Value check box. For example, given the following definition, B within the second occurrence of A becomes B-2. The third occurrence of Y within the fourth occurrence of X becomes Y-4-3. <pre>03 A OCCURS 2 TIMES. 04 B PIC 9(5). 03 X OCCURS 2 TIMES. 04 Y PIC 9(5) OCCURS 2 TIMES.</pre>
Fix Long Names	Controls whether new names are created for fields that exceed the maximum length of either 120 (default) or a value specified with Maximum Column Name Length. To create new names, clear the Use Default check box, then activate the Value check box.
Maximum Column Name Length	Controls the maximum allowable column length. The default is 120. To change the value, clear the Use Default check box, then activate the Value check box. Default value is 120.
Character To be Used As Separator Between Field Name And Occurrence	Controls the separator character that is placed between a field name and its occurrence. To select a different separator or no separator, clear the Use Default check box, then select Brackets, Dash, Underscore, or Double Underscore, or None. Possible options are: <ul style="list-style-type: none"> • Brackets • Dash • Underscore • Double Underscore • None A character separator formats the occurrence as <i>FIELD[n]</i> , <i>FIELD-n</i> , <i>FIELD_n</i> , or <i>FIELD__ n</i> . For example, the default of Dash formats the occurrence as shown in the following example. <pre>FIELDX FIELDX-1 FIELDX-2</pre> None formats a field and its occurrences as a single field with <i>n</i> occurrences. For example: <pre>FIELDX FIELDX FIELDX</pre>

Setting	Value
Zero Fill Length For Occurrence Indicators	Controls whether occurrence indicators are padded with zeroes to a constant width. The default is not to expand. For example, the seventh occurrence of the field <code>FLAG</code> is output as <code>FLAG-7</code> (assuming a Dash separator). To pad the occurrence indicators, clear the Default check box and specify a width under Value. For example, a value of 3 pads the seventh occurrence of <code>FLAG</code> with two zeroes (<code>FLAG-007</code>) but does not pad occurrence 423 (<code>FLAG-423</code>). Default value is '0'.

Related Topics

[Column Mapping Configuration](#)

Column Pair Configuration

This page displays the existing column pair details. You can also change the comparison format by selecting another format in the Comparison Formats section.

Related Topics

[Column Mapping](#)

Job Configuration

To run comparisons, you must run a job. The job configuration determines which compare groups are processed.



Note:

Before creating a job, you must create at least one compare group (see [Existing Compare Pairs](#)) to link to the job. To use customized runtime parameter settings, you must also create at least one profile (see [Profile Configuration](#)). Otherwise, the job will use the default profile that is supplied by Oracle GoldenGate Veridata.

Jobs are managed from the Job Configuration page. To access this page, click **Job Configuration** in the navigation pane. All jobs that are defined within the Oracle GoldenGate Veridata repository are shown in the Existing Jobs list on this page.

Other configuration tasks

[Group Configuration](#)

[Profile Configuration](#)

Related Topics

[Managing jobs](#)

Creating a Job

You must have the Administrator or Power User role to create a job.

Specify the following details in the New Job Assistant wizard:

Element	Description
Task 1: Job Name	Specify a name for the new job.
Name	A name for the job.
Description	(Optional) Specify a description for the new job.
Task 2: Group Information	Use this page to select and link the groups to the job being created.
Filters	Narrow down the group search by using the Filters.
Groups	Select the group(s) by toggling the check box against the group name.
Task 3: Connection Information (Optional)	Setting the connection(s) here will override the connection information that is specified at the group level, and all of the groups in the job will use those connections when the job is run. Do not set connections here if some groups require different metadata connections than others.
Source Connection	Select the source connection associated with the job from the drop-down list, or click the Browse button to find it using the Select a Connection page, which provides filtering options. The connection override applies only to this job.
Target Connection	Select the target connection associated with the job from the drop-down list, or click the Browse button to find it using the Select a Connection page, which provides filtering options. The connection override applies only to this job.
Task 4: Profile Information (Optional)	Select a profile to link to the job. Otherwise, the default profile is linked.

Related Topics

[Editing a Job](#)

Editing a Job

You must have the Administrator or Power User role to edit a job.

The following details are displayed on the edit job page:

Element	Description
Job Details	Specify details of the job here.
Name	The name for the job is displayed. You cannot change the name of the job.
Description	(Optional) Specify a description for the new job.

Element	Description
Connection Information (Optional)	The connection section is optional. Setting the connection(s) here will override the connection information that is specified at the group level, and all of the groups in the job will use those connections when the job is run. Do not set connections here if some groups require different metadata connections than others.
Source Connection	Select the source connection that is associated with this job, select the connection from the drop-down list, or click the Browse button to find it using the Select a Connection page, which provides filtering options. The connection override applies only to this job.
Target Connection	Select the target connection that is associated with this job, select the connection from the drop-down list, or click the Browse button to find it using the Select a Connection page, which provides filtering options. The connection override applies only to this job.
Profile Information (Optional)	Select a profile to link to the job. Otherwise, the default profile is linked.
Linked Groups	<p>The Linked Groups list shows the groups that exist in the repository and are available to be linked to this job. See Filtering the Linked Groups List.</p> <p>It also shows the connections that will be used by each group, and the number of compare pairs that each group contains. The list header shows the total number of groups that are available. Use the selection boxes in the Link column to:</p> <ul style="list-style-type: none">• Add a group to this job by checking the box next to its name.• Remove a group from this job by clearing the box next to its name. <p>Click Save to save the changes to the repository. The changes will be active for the next run of this job.</p>

Filtering the Linked Groups List

To filter the Linked Groups list, expand Filters. The list can be filtered to show:

- **All** shows all groups that are available in the repository.
- **Only Enabled** shows only those groups that are linked to this job.
- **Only Disabled** shows only those groups that are not linked to this job.

The list also can be filtered to show or exclude group names that match a specified string.

Click **Apply Filter** to display the selected groups.

Related Topics

[Creating a Job](#)

Deleting a Job

To delete a job, select it in the Select column of the Existing Jobs list, and then click the Delete button.

Related Topics[Job Configuration](#)

Profile Configuration

A profile is a set of global processing parameters, each containing unique settings for a specific purpose. Oracle GoldenGate Veridata provides a default profile, but you probably will want to create your own profiles, too. You can create as many profiles as needed and associate them with any job or compare pair (to override the job profile; see [Existing Compare Pairs](#)). You can override profile assignments at run time.

Profiles are managed from the Profile Configuration page. All profiles that exist within the Oracle GoldenGate Veridata repository are shown in the **Existing Profiles** list on this page.

To filter the Existing Profiles list:

1. **Expand Filters** and type a search string. The filter matches a search string character for character.
 - **Names Like:** filters by profile name.
 - **Description Like:** filters by a string in the job description.
2. Click **Apply Filter** to display the selected profiles.

To change the default profile:

Oracle GoldenGate provides a default profile that is used for all of the compare pairs and jobs that are not linked to a user-defined profile. This profile is used automatically unless another profile is selected when creating a compare pair or a job, or when running a job. You can change the settings of the default profile by editing it.

Related Topics[Connection Configuration](#)[Group Configuration](#)[Job Configuration](#)

Creating a Profile

To create a profile, click **New**. The New Profile Assistant is displayed.

Select the **Create new profile using copy of existing profile** check box to create one profile using details from an existing profile.

Element	Description
Name	A name that identifies your profile.
Description	The description of the profile.

Related Topics

Editing Profile Settings in *Oracle GoldenGate Veridata User's Guide*.

Editing Profile Settings

The Edit Profile page controls the parameter settings for existing profiles, including the default profile. How?

You must have the Administrator or Power User role to edit a profile.

From the Edit Profile page, you can change:

- **Description:** The description of the profile. This field can be updated to reflect the changes that you make to the profile.
- **General Settings:** Controls output options.
- **Sorting Method Settings:** Controls sorting method and memory management. Data is sorted to match keys (or a key specification) so that the correct source and target rows are compared.
- **Initial Compare Settings:** Controls parameters for the process that performs the initial compare step.
- **Confirm-Out-Of-Sync Settings:** Controls parameters for the process that performs the confirmation step.
- **Repair Settings:** Controls parameters for the repair process.

General Settings

The General settings of the Edit Profile page control output options for the Out-of-Sync and Comparison reports.

Setting	Description
Out-Of-Sync Output Format	The default output for out-of-sync rows is in binary format that is compatible with Oracle GoldenGate Veridata Server's output format for display in the Veridata Web User Interface browser. To change the output option, deselect Use Default and then select one of the following under Value : <ul style="list-style-type: none">• XML: output in XML only• Both: output in both binary and XML formats• None: suppress out-of-sync output
Maximum Size of Each Out-Of-Sync Chunk (Rows)	Controls the number of out-of-sync rows that are written to each XML output file. Because the amount of XML output can be large, the XML report is written to different files, otherwise known as chunks, instead of to a single file.
Report in-sync rows to report file	Controls whether or not information about rows that are in-sync are written to the comparison report. Excluding these rows reduces the amount of output that is written to disk. By default, this information is omitted.

Setting	Description
Report in-sync after in-flight rows to report file	Controls whether or not information is written to the comparison report about rows that were in-flight in the initial comparison but are now in-sync after the confirmation step. Excluding these rows reduces the amount of output that is written to disk. By default, this information is omitted.

Sorting Method Settings

The Sorting Method settings of the Edit Profile page specify whether data sorting will be performed by the database or by Oracle GoldenGate Veridata Server, and how the sorted data will be stored.

Setting	Description
Sort Data Using	By default, Oracle GoldenGate Veridata uses the database to sort data for comparison. This default is due to historical conditions that are no longer valid. Server-side sorting is the current recommended sorting method. Database sorting should only be considered when the ordering produced by the database is identical to the ordering produced by Oracle GoldenGate Veridata Server. More Note: The rest of the sort options on this page apply only if server-side sorting is being used.
Maximum Memory Usage (MB)	Sets the maximum amount of physical memory to be used by each Oracle GoldenGate Veridata Server sort process (source and target); therefore, twice the amount of memory specified will be used. The memory specified should be well below the actual physical memory of the system to prevent any possible use of virtual memory, which would significantly slow down processing.
Temporary Storage Directory for Source Data	Specifies a location on the source disk to use as temporary storage when there is not enough memory to process all of the data that is being sorted. If no locations are defined, the default is to use a directory under the Oracle GoldenGate Veridata Server home location. More
Temporary Storage Directory for Target Data	Specifies a location on the target disk to use as temporary storage when there is not enough memory to process all of the data that is being sorted. If no locations are defined, the default is to use a directory under the Oracle GoldenGate Veridata Server home location. More

Initial Compare Settings

The Initial Compare settings of the Edit Profile page set attributes for the initial (row hash) step of the comparison.

General

These settings control general settings that apply to both the initial and out-of-sync compare processes.

Setting	Description
Max Concurrent Comparison Threads	Sets the number of concurrent threads that the comparison process can use. This value should be less than, or equal to, the number of CPUs on the Oracle GoldenGate Veridata Server machine. Increasing the number of threads above the number of CPUs will not make the sort faster, and could even slow it down.
Terminate when Maximum Records Out-Of-Sync	Terminates the comparison when the specified number of out-of-sync rows is reached. Can be used to specify a threshold after which a full reload may be more appropriate than resynchronizing rows.
Output Out-Of-Sync Record Details to Report File	Outputs column-level details for out-of-sync rows to the report file, including actual and compressed values.
Update Report file Every (seconds)	Outputs intermediate statistics to the report file, including the number of rows processed so far and the number of out-of-sync rows. Select this option to specify an output interval in seconds.
Update Report file Every (records)	Outputs intermediate statistics to the report file, including the number of rows processed so far and the number of out-of-sync rows. Select this option to specify an output interval based on a specific number of records. Note: If both Update Report file Every (seconds) and Update Report file Every (records) are selected, only Update Report file Every (seconds) will be used.
Limit Number of Input Rows	Limits the number of rows to process from the table. Useful for estimating the amount of time that a comparison will take. Limit the number of rows, then run a comparison for them. Afterward use the results to calculate how long the full comparison would take. This parameter is also useful for testing and debugging so that the run completes in a shorter time than if the entire table was processed.
Source Oracle optimizer hint	(Oracle) Specifies an Oracle hint that is passed to the agent on the source database when a comparison starts. You can enter up to 256 characters. Note that only 20 characters is visible in the field; to ensure accurate entry of the hint, you can copy from a text file and paste into the field.
Target Oracle optimizer hint	(Oracle) Specifies an Oracle hint that is passed to the agent on the target database when a comparison starts. You can enter up to 256 characters. Note that only 20 characters is visible in the field; to ensure accurate entry of the hint, you can copy from a text file and paste into the field.

Event Reporting

These settings control whether, and how, messages are sent to the report whenever the initial comparison process finishes a task.

Setting	Description
Generate Messages	To generate only an informational message, whether or not rows are out-of-sync, select Info . To generate a warning message if rows are out-of-sync in this step, select Warning . To generate both types of messages, select Both , or to suppress all messages, select None .

Setting	Description
Generate Warning Messages For Out-Of-Sync Rows After (differences)	Generates a warning message if the number of out-of-sync rows exceeds the specified value. If set, you should see a message in the comparison report similar to "Tables out-of-sync: srcTable, targTable, rows xx" if more than the specified number of rows are out of sync. If less than that number of rows is out of sync, you should see a message similar to "tables in sync: srcTable, targTable." To generate the warning message, you must set the Generate Messages parameter to something other than the default of None.

Agent

These settings control port usage for the Oracle GoldenGate Veridata Agent.

Setting	Description
Use Static Listening Port For Agent During Row Hash On Source (0 to use dynamic port list)	These settings are for debugging. At the default of 0, the Oracle GoldenGate Veridata Agent is started by the Oracle GoldenGate Veridata Manager during the initial comparison step. By specifying a port number instead, you can direct Oracle GoldenGate Veridata Server to interact with Veridata Agent through that port.
Use Static Listening Port For Agent During Row Hash On Target (0 to use dynamic port list)	

NonStop Process

These settings control the process name, CPU, and priority assigned to the initial compare process on a NonStop system.

Setting	Description
Source Process Name Starting With	These two fields designate the name to use for the process on the source and target systems, respectively. This name must start with a \$ sign followed by two letters and end with an asterisk, for example \$AA*.
Target Process Name Starting With	
Source Process CPU Number	These two fields designate a CPU for the process on the source and target systems, respectively. The valid range is -1 (the default) to 16. When set to -1, the Oracle GoldenGate Manager process will attempt to start the VERIAGT processes in a round-robin fashion.
Target Process CPU Number	
Source Process Priority	These two fields designate the priority at which the process will run on the source and target systems, respectively.
Target Process Priority	

Confirm-Out-Of-Sync Settings

The Confirm out-of-sync settings of the Edit Profile page control attributes for the confirmation step of the comparison.

General

These settings control general settings that apply to both the initial and out-of-sync compare processes.

Setting	Description
Perform Confirm Out-Of-Sync Step	When selected, the confirmation step is performed. Otherwise, this step is skipped. You might skip the confirmation step, for example, when the database is quiesced or if replication is not actively replicating data changes.
Run Concurrently With Initial Compare	When selected, the initial compare and confirmation processes run concurrently. To run them in sequence, deselect this box. Running them separately uses fewer system resources.
Delay Confirm-Out-Of-Sync By (seconds)	Specifies an anticipated replication lag threshold. The confirmation step will wait this amount of time before confirming rows as out-of-sync. This allows any in-flight changes in the replication stream to be posted first.
Terminate when Maximum Records Out-Of-Sync	Terminates the comparison when the specified number of out-of-sync rows is reached. Can be used to specify a threshold after which a full reload may be more appropriate than re-synchronizing rows.
Output Out-Of-Sync Record Details to Report File	Outputs column-level details for out-of-sync rows to the report file, including actual and compressed values.
Update Report file Every (seconds)	Outputs intermediate statistics to the report file, including the number of rows processed so far and the number of out-of-sync rows. Select this option to specify an output interval in seconds.
Update Report file Every (records)	Outputs intermediate statistics to the report file, including the number of rows processed so far and the number of out-of-sync rows. Select this option to specify an output interval based on a specific number of records. Note: If both Update Report file Every (seconds) and Update Report file Every (records) are selected, only Update Report file Every (seconds) will be used.
Source Oracle optimizer hint	(Oracle) Specifies an Oracle hint that is passed to the agent on the source database when a comparison starts. You can enter up to 256 characters. Note that only 20 characters is visible in the field; to ensure accurate entry of the hint, you can copy from a text file and paste into the field.
Target Oracle optimizer hint	(Oracle) Specifies an Oracle hint that is passed to the agent on the target database when a comparison starts. You can enter up to 256 characters. Note that only 20 characters is visible in the field; to ensure accurate entry of the hint, you can copy from a text file and paste into the field.
Confirm-Out-Of-Sync Batch Size	Specifies the number of Out-Of-Sync rows in a package. You can enter a number between 1 and 100; the default value is 10.

Event Reporting

These settings control whether, and how, messages are sent to the report whenever the initial comparison process finishes a task.

Setting	Description
Generate Messages	To generate only an informational message, whether or not rows are out-of-sync, select Info . To generate a warning message if rows are out-of-sync in this step, select Warning . To generate both types of messages, select Both , or to suppress all messages, select None .
Generate Warning Messages For Out-Of-Sync Rows After (differences)	Generates a warning message if the number of out-of-sync rows exceeds the specified value. If set, you should see a message in the comparison report similar to "Tables out-of-sync: srcTable, targTable, rows xx" if more than the specified number of rows are out of sync. If less than that number of rows is out of sync, you should see a message similar to "tables in sync: srcTable, targTable." To generate the warning message, you must set the Generate Messages parameter to something other than the default of None.

Agent

These settings control port usage for the Oracle GoldenGate Veridata Agent.

Settings	Description
Use Static Listening Port For Agent During Row Hash On Source (0 to use dynamic port list)	These settings are for debugging. At the default of 0, the Oracle GoldenGate Veridata Agent is started by the Oracle GoldenGate Veridata Manager during the initial comparison step. By specifying a port number instead, you can direct Oracle GoldenGate Veridata Server to interact with Veridata Agent through that port.
Use Static Listening Port For Agent During Row Hash On Target (0 to use dynamic port list)	

NonStop Process

These settings control the process name, CPU, and priority assigned to the initial compare process on a NonStop system.

Setting	Description
Source Process Name Starting With	These two fields designate the name to use for the process on the source and target systems, respectively. This name must start with a \$ sign followed by two letters and end with an asterisk, for example \$AA*.
Target Process Name Starting With	
Source Process CPU Number	These two fields designate a CPU for the process on the source and target systems, respectively. The valid range is -1 (the default) to 16. When set to -1, the Oracle GoldenGate Manager process will attempt to start the VERIAGT processes in a round-robin fashion.
Target Process CPU Number	
Source Process Priority	These two fields designate the priority at which the process will run on the source and target systems, respectively.
Target Process Priority	

Repair Settings

The Repair settings of the Edit Profile page control attributes for the repair process of out-of-sync rows. [More](#)

Repair

These settings control parameters in a repair job.

Setting	Description
Repair Batch Size	Specifies the number of repair operations in each batch transferred from the source agent to the target agent.
Repair Transaction Size	Specifies the number of repair operations included in the database transaction at the target. The special value "0" indicates that the transaction size should be the same as the repair batch size.
Number of Concurrent Repair Operations	Specifies the number of concurrent table pair repair operation allowed with a single repair job.
Check Changed Values	Indicates whether or not update operations should check whether or not column values have changed since the base comparison was run.
Terminate When Maximum Repair Warnings	Indicates the maximum number of repair warnings allowed on a single repair pair. A number less than or equal to zero indicates no limit.
Run Repair Automatically after Compare	Specifies that a repair operation will run automatically after a compare operation if any OOS rows are discovered. Defaults to False.

Repair Reporting

These settings control whether, and how, messages are sent to the report whenever the repair process finishes a task.

Setting	Description
Write Repair Success Messages to Report	By default, a message is written to the repair report file for each row in the repair job. This setting will suppress the message for successfully repaired rows. Error and warning messages are always written to the report..

Disable DB Triggers Session Based

These settings control port usage for the Oracle GoldenGate Veridata Agent.

Setting	Description
Disable DB Triggers Session Based	For databases that support disabling triggers (Oracle and Sybase), when you enable this setting, the Veridata Agent will issue the required commands to disable triggers while applying repair updates.

Related Topics

[Profile Configuration](#)

Deleting a Profile

To delete a profile, select it in the Select column of the Existing Profiles list, and then click the Delete button.

Related Topics

[Profile Configuration](#)

Running a Job

Jobs are executed from the Run/Execute Job page. Any job that has been previously configured can be run from this page. Before running a job, you may want to estimate its duration (see [Estimating Comparison Time](#)).

To run a job without modification:

1. For Job, select a job from the drop-down list or click the **Browse** button to open the Select a Job page, where you can use filters to constrain the selection choices. See [Selecting a Job](#).
2. (Optional) For Job Profile, select a profile if you want it to override the profile that is linked to this job. You can select from the drop-down list or click the Browse button to open the Select a Profile page, where filters are provided.
3. Click **Run Job**. By default, all compare pairs that are linked to the selected job will be processed, even though their names do not appear in the Compare Pairs list (see [Existing Compare Pairs](#)).

To Modify a Job Before Running It

After selecting the job and (optional) profile, click **Retrieve Compare Pair List**. All of the compare pairs in the job are displayed in the Compare Pairs list, and all are selected by default.

The compare pairs are organized according to the groups that contain them, with the groups listed in alphabetical order.

The following information is displayed in the Compare Pairs list. This information can help you to refine the job configuration.

Name of the Column	Description
Select	Allows you to select compare pairs.
Previous Comparison Status	Indicates the results of the previous comparison run of the compare pair.
Row Partitions	Enables you to configure or override row partitions (see the steps below).
Previous Run Duration	The length of time that the previous comparison took. Can be used as a basis for estimating the duration of the next comparison.
Compare Pair Name	The name of the compare pair. To view actual object names, hover the mouse over the name.
Previous Number Rows Compared	The number of rows that were compared in the previous run.

Name of the Column	Description
Previous Number Rows Out Of Sync	The number of rows that were out of synchronization in the previous run.
Delta Base Time	Shows the end time of the previous comparison, which provides a start time on which to base delta processing for the next run.
Previous Comparison Reports	Links to comparison reports from previous runs.

1. Filter the list, if necessary.

To filter the list of compare pairs, expand **Filters** to expose filter options. You can filter the list of compare pairs by the following:

- **Group Names Like:** Type a search string to show names that contain the string.
- **Compare Pairs:** You can filter compare pairs based on their previous comparison status.
- **Compare Pair Name Like:** Type a string to filter by the name of the compare pair.
- **Source Table Name Like:** Type a string to filter by the name of the source table or file.
- **Target Table Name Like:** Type a string to filter by the name of the target table or file.

After you specify your filter criteria, click **Apply Filter**. By default, all items that the filter returns are selected for processing.

2. Select the compare pairs that you want to be processed in this job.

- To select all of the compare pairs (in all of the groups) in the list, make certain that the **All** check box displays a check mark. (This box is located directly above the **Compare Pairs** header.) This action affects only the compare pairs that are in the list, not any that were excluded by means of the filter.
- To deselect all of the compare pairs in the list, clear **All**. To deselect all when some pairs are selected and others are not, you might need to click **All** twice, once to select all and once to deselect all.
- To select all of the compare pairs that are in a given group, click the **Select** box beneath the name of the group.
- To include or exclude an individual compare pair, select or clear the **Select** box next to its name.

3. To set the Delta Base Time value, click the automatically selected value or **Select...**, then see [Selecting Delta Base Time](#).

4. If delta processing is enabled for any of the compare pairs in this job, the **Delta Processing Enabled** check box is shown. To disable delta processing, clear the check box.

5. To configure or override row partitions, click **Configure...** in the Row Partitions column to open the row partitions editor.

6. To change the default job attributes and profile parameters, click the **Set Override Run Options** link to go to the Run Options page (see [Overriding Run Options](#)).



Note:

The **Command Line To Be Used** box shows the underlying `vericom` command that will be used to run this job. For more information about `vericom`, see the Oracle GoldenGate Veridata Administrator Guide.

7. The Run Repair Automatically after Compare check box is displayed when the job is out-of-sync and the user has repair operator role.
8. Click **Run Job**.

Related Topics

[All Running Jobs Page](#)

"Running a Job" in *Oracle GoldenGate Veridata User's Guide*

Estimating Comparison Time

When tables are large, you might want to estimate the amount of time that a comparison will take before running a full comparison. To get an estimate, run a test comparison of a limited number of rows. For example, if there are 100 million rows in a table, you can run a comparison for the first million rows and then multiply that amount of time by 100.

To specify the number of rows compared

1. On the navigation pane, click Profile Configuration.
2. On the list, click the name of the profile that is linked to the job (or select it, and then click Edit). The Edit Profile page is displayed.
3. Click Initial Compare.
4. Under General, clear the Use Default box for the Limit Number of Input Rows setting, and then type the number of rows that you want to compare.
5. After running the test comparison, change Limit Number of Input Rows back to the default for the full comparison run.

Related Topics

[Running a Job](#)

Selecting Delta Base Time

To select another delta base time for a job:

1. (Optional) Under Filter, type a number in **Number of Runs to Show** and then click Apply Filter to display the selected jobs.
2. (Optional) Select the check box **Only Consider Delta Enabled Comparisons** to view jobs with delta processing enabled for any of the compare pairs in the job.
3. Select a time from the list by clicking in the Select column.
4. Click the **Select** button to select the time.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Selecting a Job

To browse jobs:

1. (Optional) Filter the list of jobs based on a name or description. The filter matches a supplied string. For example, the string "test" in the Names Like filter would return jobs with names like "test-job," "test1," "run_test," and so forth.
2. Click Apply Filter to apply the filter criteria. A message will appear indicating that a filter is in use.
3. Select a job from the list by clicking in the Select column. You can only start one job at a time.
4. Click the **Select** button to select the job and close the Select a Job page.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Selecting a Job Profile

To browse job profiles:

1. (Optional) Filter the list of profiles based on a name or description. The filter matches a supplied string. For example, the string "confirm" in the Names Like filter would return objects with names like "confirm_yes," "confirm_no," "ConfirmAfterInitial," and so forth.
2. Click Apply Filter to apply the filter criteria. A message will appear indicating that a filter is in use.
3. Click in the Select column next to the name of the profile that you want to use.
4. Click the **Select** button to select the profile.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Selecting a Schema

To browse schema:

1. (Optional) Filter the list of schemas based on a name. The filter matches a supplied string. For example, the string "test" in the Name Like filter would return schemas with names like "test_schema," "TestTables," and so forth.
2. Click Apply Filter to apply the filter criteria. A message will appear indicating that a filter is in use.
3. Click in the Select column next to the name of the schema that you want to use.
4. Click the **Select** button to select the schema.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Selecting a Catalog

To browse catalogs:

1. (Optional) Filter the list based on a name. The filter matches a supplied string. For example, the string "\$DAT" would return names like "\SYS1.\$DAT1," "\SYS2.\$DATAACCT," and so forth.
2. Click Apply Filter to apply the filter criteria. A message will appear indicating that a filter is in use.
3. Click in the Select column next to the name of the catalog that you want to use.
4. Click the **Select** button to select the catalog.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Selecting a Connection

To browse existing connections:

1. (Optional) Filter the list of connections based on a name, description, or database type. The Name Like or Description Like filters match a supplied string. For example, the string "test" in the Name Like filter would return connections with names like "test_system," "TestConnection," and so forth.
2. Click Apply Filter to apply the filter criteria. A message will appear indicating that a filter is in use.
3. Click in the Select column next to the name of the catalog that you want to use.
4. Click the **Select** button to select the connection.

Related Topics

[Connection Configuration](#)

Selecting a Group

To browse existing groups:

1. (Optional) Filter the list of groups based on a name or description. The filter matches a supplied string. For example, the string "test" in the Names Like filter would return groups with names like "test_group," "test1," "run_test," and so forth.
2. Click Apply Filter to apply the filter criteria. A message will appear indicating that a filter is in use.
3. Click in the Select column next to the name of the catalog that you want to use.
4. Click the **Select** button to select the group.

Related Topics

[Group Configuration](#)

Comparing Pair Row Partitions

To select an existing row partition:

1. There is a check mark in the Use column next to the partition that is currently active. To select a different one, click in the Select column next to its name.
2. Click **Edit**.
3. Under Row Partition Configuration, select **Use At Runtime**.
4. Click **Apply**. A check mark is placed under Use next to this partition.
5. Click **OK** to close the Compare Pair Row Partitions window.

To specify a new row partition:

1. Click New under Source or Target. In the Name box under Row Partition Configuration, the name "Override_Partition_*n*" appears, where *n* is a sequential number. A partition override name cannot be customized.
2. Do one of the following:
3. (Optional) Click **Use At Runtime** to make this partition the active one for this job run.
4. Click **Apply**. The name of the new partition appears in the Row Partitions list, and the partition definition is displayed.
5. Repeat these steps to create another partition.

Note:

Only one override partition can be created per source and target object.

6. Click **OK** to close the partition editor.

Related Topics

"Overriding Row Partitions" in *Oracle GoldenGate Veridata User's Guide*

Overriding Run Options

Use the Run Options page to override the run settings configured in the job profile. By default, all parameters are set to Use Profile.

When a user has repair execution privileges, the options for controlling repair appear. These are the same options as the options in the Repair Category on the Profile Configuration page.

To change a run option:

1. Clear the **Use Profile** box.
2. Make the change under **Value**.

**Note:**

If a parameter is a toggle (enabled or disabled), a check mark under Value means that it is enabled.

3. Click **OK**.

**Note:**

Other processing options can be specified by going to the Profile Configuration page.

Example 1-4 Parameter Details

- General (No Comparisons Performed)

Select only one of these items for any given run, as they are mutually exclusive.

- **Review Previous Out-Of-Sync Results:** Compares only those rows that were out-of-sync in the previous run, based on the information that is stored in the Out-of-Sync file. Oracle GoldenGate Veridata will compare these rows against their current state. The results identify which rows were brought back into synchronization by replication or another method. By default, this parameter is disabled. Check Value to enable it.
- **Generate Out-Of-Sync XML from Previous Run:** Generates an OOSXML file based on the OOS file from the previous run. It generates XML for every row from the OOS file. You can use the XML from this file for your own purposes, such as to view the out-of-sync information in an XML editor. By default, this parameter is disabled. Check Value to enable it. When this parameter is enabled, Review Previous Out-Of-Sync Results is ignored.

- Profile Setting Overrides

- **Max Concurrent Comparison Threads:** Specifies the number of concurrent processing threads to use. You can use up to the same number of threads as there are processors on the server system.
- **Delay Confirm-Out-Of-Sync By (seconds):** Delays the confirmation step by the specified number of seconds to account for replication lag. Delaying the confirmation step reduces the number of false out-of-sync results that occur because an updated source value was not replicated fast enough.
- **Perform Confirm-Out-Of-Sync Step:** Controls whether or not the confirmation step is performed. By default, it is performed. Clear the check box under Value to skip the confirmation step and only perform the initial (row hash) comparison. You might skip the confirmation step if, for example, activity on the source tables is quiesced or if replication is not continuously updating the target table(s).
- **Out-Of-Sync Output Format:** Controls how out-of-sync row information is written to the OOS file on disk. The default is binary format, which is compatible with the Oracle GoldenGate Veridata Web User Interface browser. To change the output option, select one of the following under Value:
 - * To output only in XML, select XML.

- * To output in both binary and XML formats, select Both.
- * To suppress out-of-sync output, select None.
- **Maximum Size of Each Out-Of-Sync XML Chunk (Rows):** Limits the number of out-of-sync rows that are written to an XML-based OOS report chunk. The OOS file is actually written as several files to prevent one file from becoming so large that it affects system resources. Using chunks enables periodic archiving or purging to remove aged files. The current file is closed when the specified number of rows is written, and a new file is opened.
- Tracing
 - **Trace Agent Rowhash:** Turns on tracing for the initial comparison step.
 - **Trace Agent COOS:** Turns on tracing for the confirmation step.
 - **Trace Server:** Turns on tracing for Oracle GoldenGate Veridata Server. Select or enter a value to set the desired trace level. The higher the level, the more detailed the trace data.

By default, all tracing is off.

- Repair

The Repair settings of the Edit Profile page control attributes for the repair process of out-of-sync rows. More

- **Repair**

These settings control parameters in a repair job.

Setting	Description
Repair Batch Size	Specifies the number of repair operations in each batch transferred from the source agent to the target agent.
Repair Transaction Size	Specifies the number of repair operations included in the database transaction at the target. The special value "0" indicates that the transaction size should be the same as the repair batch size.
Number of Concurrent Repair Operations	Specifies the number of concurrent table pair repair operation allowed with a single repair job.
Check Changed Values	Indicates whether or not update operations should check whether or not column values have changed since the base comparison was run.
Terminate When Maximum Repair Warnings	Indicates the maximum number of repair warnings allowed on a single repair pair. A number less than or equal to zero indicates no limit.
Run Repair Automatically after Compare	Specifies that a repair operation will run automatically after a compare operation if any OOS rows are discovered. Defaults to False.

- **Repair Reporting**

These settings control whether, and how, messages are sent to the report whenever the repair process finishes a task.

Setting	Description
Write Repair Success Messages to Report	By default, a message is written to the repair report file for each row in the repair job. This setting will suppress the message for successfully repaired rows. Error and warning messages are always written to the report..

– Disable DB Triggers Session Based

These settings control port usage for the Oracle GoldenGate Veridata Agent.

Setting	Description
Disable DB Triggers Session Based	For databases that support disabling triggers (Oracle and Sybase), when you enable this setting, the Veridata Agent will issue the required commands to disable triggers while applying repair updates.

Related Topics

[Profile Configuration](#)

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*

Reports Page

To view a comparison report, use the Reports page.

A comparison report is generated for each job, group, and compare pair that is finished. It contains summary details about out-of-sync row counts, the number of records processed, performance statistics, errors, and so forth.

The comparison report tells you how extensive an out-of-sync problem is. It also provides performance statistics and, optionally, column details. The comparison report can be viewed by any user role.

To select a time range:

- Under Report Period, select one of the following view choices:
 - View Most Recent Comparison Run:** Selects the most recent report for each job that exists.
 - View Last:** Selects reports that were created within the last *n* Days, Hours or Minutes.
 - View From:** Selects reports that were created within a specific date range, with the option to include the time of day. Supply dates and times in the format that is accepted by the client machine that is running Oracle GoldenGate Veridata Web User Interface.
- Click **Apply**.

To filter the selection:

- Expand Filter Reports.
- Type your search criteria in one of the following fields:

- **Job Like:** Retrieves reports for jobs whose names contain a string that matches the one supplied.
- **Group Like:** Retrieves reports for groups whose names contain a string that matches the one supplied.
- **Compare Pair Like:** Retrieves reports for compare pairs whose names contain a string that matches the one supplied.
- **Show Report Names Like:** Retrieves reports whose file names contain a string that match the one supplied.

3. Click **Apply Filter**.

To View a Report

To view a report, click the name of the report in the Report Name column of the Existing Reports list.

Alternately, you can click the **Select** button in the list next to the name of the report, and then click **View**. The Report View page will be displayed.

Viewing the Report File on Disk

The report is a text file that is stored on disk. The default location is `domain_home/veridata/reports`. This location is dependent on the `server.veridata_data` property defined in the `domain_home/config/veridata/veridata.cfg` file.

Related Topics

"Working with Jobs" in the *Oracle GoldenGate Veridata User's Guide*

Comparison Report

The basic report shows you platform information, the process ID of the Oracle GoldenGate Veridata Server process, the source and target systems and tables, timing statistics for the start and stop of each step (initial comparison and confirmation), a summary of the results of each step (number of rows processed, number out of sync, and so forth), and a final summary of the overall results. The report also shows performance statistics for both the initial compare step and the confirmation step, which you can use to assess the effectiveness of database access and network use, the two most important performance considerations when using Oracle GoldenGate Veridata.

The default location is `domain_home/veridata/reports`. This location is dependent on the `server.veridata_data` property defined in the `domain_home/config/veridata/veridata.cfg` file.

Related Topics

"Using Comparison Report" in *Oracle GoldenGate Veridata User's Guide*.

User Preferences

Use the User Preferences page to customize certain aspects of your Oracle GoldenGate Veridata environment by customizing default parameter settings. To

access this page, click **User Preferences** under Options/Settings in the navigation pane.

You can change the following User Preference settings:

General (see [Setting General User Preferences](#))

Home (see [Setting Home Page Preferences](#))

Setting General User Preferences

The General user preferences control basic interface settings. To access the General user preferences:

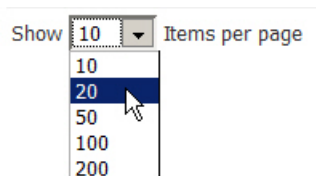
1. Under Options/Settings in the navigation pane, click **User Preferences**.
2. Click **General**.

Example 1-5 Poll/Refresh Interval

Controls the refresh rate, in seconds, of the statistics on the Running Jobs page. The default is to refresh every 30 seconds.

Example 1-6 Default Number of Items to Show Per Page

Controls the number of items that are displayed in the lists of the Oracle GoldenGate Veridata Web User Interface, for example the lists of existing groups. By default, 10 list items are displayed.



You can override this parameter's setting at any time by using the Show drop-down menu on any page that displays lists.

Example 1-7 Show Charts

Controls whether or not the pie chart is displayed by default on pages that show comparison status, such as the Finished Jobs pages. By default, charts are displayed.

You can override this parameter's setting at any time by clicking the **Show Chart**



or **Hide Chart**



control on a page that includes a chart option.

Example 1-8 Finished Jobs View and Running Jobs View

These parameters control whether the Finished Jobs Overview and Running Jobs Overview pages display their results in terms of jobs, groups, or compare pairs.

- When set to the default of Job, only the job names are displayed. The Start Time and Duration columns apply to each job as a whole.
- When set to Group, job names and group names are displayed. The Start Time and Duration columns apply to each group as a whole.

- When set to Compare Pair, job names, group names, and compare pair names are all displayed. The Start Time and Duration columns apply to each compare pair.

Charts are not affected by these parameters.

Related Topics

[Setting Home Page Preferences](#)

Setting Home Page Preferences

The Home user preferences control the appearance of the Home page. This page is the initial view that you see when you log into Oracle GoldenGate Veridata.

To access the Home user preferences:

1. Under Options/Settings in the navigation pane, click **User Preferences**.
2. Click **Home**.

Default View

The default view on the Home page can be set to show either finished jobs or running jobs.

The default view is Finished Jobs. When used, this parameter makes the Show Jobs Finished (units) and Show Jobs Finished (unit time range) settings active (see below), allowing you to specify a time range for which finished jobs are shown.

The Running Jobs view shows a list of all running jobs, which cannot be filtered by a time range.

Show Only Favorite Jobs

Filters the Home page to show only the favorite jobs that are configured in the Favorites panel for this user.

Show Jobs Finished (units)

Activates when Finished Jobs is selected for Default View. It sets the unit of measure for Show Jobs Finished (unit time range). Select **Minutes**, **Hours**, or **Days** from the drop-down list.

Show Jobs Finished (unit time range)

Activates when Finished Jobs is selected for Default View. It constrains the number of finished jobs on the Home page to a specific number of the units selected in Show Jobs Finished (units). For example if the unit is Days, a value of 2 shows all of the jobs that finished running in the past two days.

Related Topics

[Setting General User Preferences](#)

The Favorites Manager

Use the Favorites manager to store links to jobs and tasks that you work on frequently. Your favorites are available only to you and are visible on any page of the Oracle

GoldenGate Veridata Web User Interface application at the lower left-hand side of the screen. More

Jobs

Use the Jobs section of the Favorites manager to store links to jobs that you work with frequently. Only jobs can be added to this section. If you try to add a group or compare pair, the name of the container job is added to Favorites.

A favorite job can be added from the Edit Job page and the Details For Finished Job page.

You can set your Home page User Preference settings to only show these favorite jobs.

You will always see the latest data available for a favorite job. For example, if the job just finished running, you will see the same data that appears on the Finished Jobs page.

To add a favorite job:

You can add a favorite job when (and only when) you see an Add link in the Favorites manager next to Jobs.

To add a job to the Jobs list, click the **Add** link next to Jobs. The name of the job is then displayed in the Jobs section.

Shortcuts

Use the Shortcuts section of the Favorites manager to store links to a specific object, a previous job, a group, a report, or other workflow object.

You cannot add a job to the Jobs list and then also add it to the Shortcuts list. However, you can save a different run of that job to the Shortcuts list. When adding a finished job to the Shortcuts list, you can control whether the link goes to the latest run or a specific run from history. You can add a favorite shortcut when (and only when) you see an Add link in the Favorites manager next to Shortcuts. How?

Editing Jobs and Shortcuts

You can edit the properties of a saved job or shortcut. How?

The edit properties may differ slightly depending on which Favorite type it is.

Related Topics

"Using the Favorites Manager" in *Oracle GoldenGate User's Guide*

[Setting Home Page Preferences](#)

Applying Filters

To see full filter options for any list, expand **Filters**.

- Basic filter options:
 - You can filter by:
 - * Comparison Status: show all jobs (default) or constrain the list based on jobs with a specific comparison status

- * Job Name Like: lists jobs based on a specified string
 - * Group Name Like: lists group names based on a specified string
 - * Compare Pair Name Like: list compare pairs based on a specified string
- Advanced filter options
 1. Expand Advanced filter options for additional filter options.
 2. Under View List By, you can set the way that the list is displayed: by Job, Group, or Compare Pair. The view determines the context for the information that is in the columns of the list. This is the same as using the context nodes under Running Jobs.

For example, with Group as the view, the Compare Pairs Processed column shows the number of compare pairs that are being processed for any given group. By contrast, if you change the view to Job, that same column would then show the number of compare pairs that are being processed for any given job.

View By Job is the default view when you click Running Jobs in the navigation pane, but you can change that with user preferences.
 3. Under List Columns to View, you can refine your chosen view by selecting or deselecting the names of columns to display.

For example, you might want to limit the information to a basic overview of name, status, and number of out-of-sync rows. To get more information, you can always drill down to pages that contain more detail.

The columns that you can work with depends on the view that you select.

Your column filters only apply to the active page. If you leave this page and then return to it, the column list reverts to the default for the view that is selected.
 4. Click **Apply Filter** to display the selected view.

Related Topics

"Working with Jobs" in *Oracle GoldenGate Veridata User's Guide*