



Informatica® Fast Clone
11.0

Release Notes

Informatica Fast Clone Release Notes
11.0
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Introduction

This document contains important information about new features and fixes in Informatica Fast Clone 11.0.

To get the latest Fast Clone documentation set, browse the Informatica Knowledge Base at https://kb.informatica.com/_layouts/ProductDocumentation/Page/ProductDocumentSearch.aspx.

CHAPTER 1

Installation and Upgrades

For information about installing or upgrading Fast Clone, see the *Fast Clone Installation and Upgrade Guide*.

CHAPTER 2

Closed Enhancement Requests

The following table describes closed enhancement requests:

Enhancement	Description
IFC-164	Fast Clone can use the TCP/IP protocol with SSL to securely connect to Amazon Redshift and Greenplum targets.
IFC-162	For Oracle 11g and Oracle 12c sources, Fast Clone can now unload data with the direct path unload method from columns that have SecureFile LOB datatypes with the DEDUPLICATE, COMPRESS, or ENCRYPT option.

CHAPTER 3

New Features

For descriptions of new features in Fast Clone 11.0, see the *Informatica Fast Clone Release Guide*.

CHAPTER 4

Fixes

Note: The current Informatica bug tracking system uses bug IDs that begin with the "IFC-" prefix. The previous tracking system used bug IDs that consist of six numbers. In the Fixes list, the bug IDs in the new format are listed first, followed by the bug IDs in the older format.

The following table describes fixed limitations:

Bug	Description								
IFC-263	In Fast Clone 10.0, unloading data from an Oracle source database is much slower than in Fast Clone 9.7.0. This performance problem has been fixed in Fast Clone 11.0.								
IFC-226	When you open a configuration in the Fast Clone Console, the Console does not retrieve the values of the following runtime parameters for Greenplum targets from the configuration file and therefore cannot display these values in the corresponding Console fields: <table border="1" data-bbox="453 1054 1437 1281"><thead><tr><th>Configuration-File Parameter</th><th>Console Field</th></tr></thead><tbody><tr><td>greenplum_gpfdist_listen_hostname</td><td>Listen on specific interface</td></tr><tr><td>greenplum_gpfdist_listen_port</td><td>Listening port</td></tr><tr><td>stream_maxerrors</td><td>Max errors</td></tr></tbody></table> <p>If you then save the configuration from the Console, the Console sets the parameters back to their default values.</p>	Configuration-File Parameter	Console Field	greenplum_gpfdist_listen_hostname	Listen on specific interface	greenplum_gpfdist_listen_port	Listening port	stream_maxerrors	Max errors
Configuration-File Parameter	Console Field								
greenplum_gpfdist_listen_hostname	Listen on specific interface								
greenplum_gpfdist_listen_port	Listening port								
stream_maxerrors	Max errors								
IFC-209	The Fast Clone Console cannot directly create target tables on Amazon Redshift targets based on source schema.								
IFC-180	The Fast Clone Console does not read the value of the Suppress trailing null columns option when you open an existing configuration. If you previously set this option to false in a configuration file, the Fast Clone Console incorrectly displays this option as selected (true).								
IFC-163	The Fast Clone Console ends with an error when selecting a source table that includes encrypted columns.								
IFC-159	Fast Clone might end with an error when unloading data from index-organized tables (IOTs) by using the direct path unload method.								
IFC-158, IFC-160, IFC-161	Fast Clone cannot unload out-of-line BasicFile LOB data from Oracle chained or migrated rows by using the direct unload method.								

Bug	Description
IFC-157	Fast Clone generates incorrect SQL statements for unloading data from IOTs with the conventional path unload method if the <code>statement_unload_threads_per_segment_num</code> parameter value is greater than 1.
IFC-156	The data that Fast Clone unloads from inline SecureFile LOB columns is corrupted if the LOB data size exceeds 255 bytes.
IFC-155, IFC-165	Fast Clone cannot unload data from Oracle 12c ASM sources that use variable-size extents.
IFC-154	The SQL query that Fast Clone uses to get information about the Oracle data files prior to unloading data might take a long time to complete on some Oracle ASM instances.
IFC-80	If you define WHERE conditions to filter data, Fast Clone might not apply the WHERE conditions or might apply the conditions incorrectly in some situations, such as the following situations: <ul style="list-style-type: none"> - The WHERE condition filters on DATE or NUMBER columns - The WHERE condition uses the IS NULL or IS NOT NULL operator - The WHERE clause uses the BETWEEN operator on a column with a null (450879, 450796)
IFC-73	The Fast Clone Console uses invalid syntax in the command script that calls Teradata Parallel Transporter to load source data to Teradata targets on Windows.
464718	Fast Clone loads null values from Oracle VARCHAR2 columns to Amazon Redshift targets as empty strings.
464603	On Solaris, Fast Clone might fail to start with the following error: <pre>hardware_capability (CA_SUNW_HW_1) unsupported: 0x10000400 [CBCOND VIS3]</pre>
463780	Fast Clone might end with the following error when unloading data from multiple large tables: <pre>ORA-01012 not logged on</pre>
461379	For Amazon Redshift targets, the Fast Clone Console does not save the schema value to the configuration file. Consequently, Fast Clone uses the default schema value of "Public."
458184	Fast Clone might end with the following error when it uses the DBMS_DISKGROUP package to read data from Oracle ASM: <pre>Unable to read block <i>block_number</i> from file <i>file_number</i></pre> This error occurs when the last read buffer contains only one data block.
455841	The Fast Clone Console displays table columns in an incorrect order if the source table has one or more function-based indexes.
450713	The Fast Clone Console does not load Amazon S3 Load settings when you open a configuration that has an Amazon Redshift target. If you save the configuration again, the Fast Clone Console writes empty Amazon S3 Load settings to the configuration.
448716	The Fast Clone Console does not allow the direct path unload method to be used for unloading Oracle IOTs.
444407	The Fast Clone Console hangs when generating Teradata target tables based on source tables.
440502	The Fast Clone Console might display a warning that indicates the license key does not support Amazon Redshift targets when the license key actually does support this target type.

Review the Release Notes of previous releases for information about previous fixed limitations.

CHAPTER 5

Known Limitations

The following table describes known limitations:

Bug	Description
IFC-275	If a Cloudera CDH 4 target uses the Apache Hadoop 2.0 driver, the Fast Clone executable ends abnormally when loading data to this target in multiple threads.
IFC-269	If you use Teradata Parallel Transporter (TPT) to load data to Teradata targets, the path to the output data files in the generated load script is incorrect. Workaround: Manually edit the load script to specify the correct path to the output data files.
IFC-261	If you use output files or pipes to load data to a Greenplum target, the paths to the .log and .ctl files in the generated load script are incorrect. Workaround: Manually edit the load script to specify the correct paths to the .log and .ctl files.
IFC-257	On Linux, the gui.sh script for running the Fast Clone Console might fail to determine the location of the Java Virtual Machine. In this case, Fast Clone writes the following incomplete message to the console: <code>FastReader GUI is going to use JVM installed in</code> If the JRE_HOME environment variable is specified correctly, the Fast Clone Console can still start successfully.
IFC-251	If you create or open a configuration for which the No Target, only FLAT FILE or PIPE as output option is selected on the Target DB tab and then open another configuration that has a different target type, the Fast Clone Console does not load the target Database Type value of the newly opened configuration. Instead, the Console displays FLAT FILE or PIPE as the target type. If you then save the configuration without correcting the target type, the [DESTINATION] information in the configuration file will indicate the Flat File target type.
IFC-246	If you specify the <code>convert_utf16_nchars_to_utf8</code> or <code>convert_utf16_nclobs_to_utf8</code> parameter in the configuration file and then open and save the configuration in the Fast Clone Console, the parameter is removed from the configuration file. Workaround: To use the parameter that was removed, you must manually add it back to the configuration file. You cannot set the parameter from the Fast Clone Console.
IFC-232	If you have a Greenplum target and exclude source columns from unload processing in the Fast Clone Console, the load job fails with data-length or data-missing errors on random columns, regardless of which Greenplum load utility you use. Although the load script for <code>gpload</code> or <code>call to gpdist</code> will correctly exclude the columns, the data (.dat) file or streamed data from the source will still include the excluded columns. Workaround: When using a Greenplum target, do not exclude source columns from unload processing.

Bug	Description
IFC-222	<p>If you use DataStreamer to stream data to Greenplum targets and set the <code>optionally_enclosed_by</code> runtime parameter to a value other than null, the load job might fail with data-length errors or the data might be loaded to the target with the enclosing character that the parameter specifies.</p> <p>Workaround: Ensure that the <code>optionally_enclosed_by</code> parameter is set to null.</p>
IFC-220	<p>Fast Clone cannot load DECIMAL(38,38) values to Teradata targets if the source value contains 38 digits after the decimal point. This error occurs because the source data is provided with a leading zero before the decimal point, which causes the maximum precision allowed by Teradata to be exceeded.</p> <p>Workaround: Unload source data to output .dat files. Then, manually edit the output files to delete the leading zero before the decimal point for all DECIMAL(38,38) columns that include 38 digits after the decimal point. Fast Clone can then load the source data to the target.</p>
IFC-214	<p>When you use the conventional path unload method with encrypted Oracle source tables, the Fast Clone Console requires you to open the Oracle wallet file when you save the configuration. However, opening the wallet file to read the master key IDs and values is unnecessary with the conventional path unload method.</p> <p>Workaround: Create the configuration without the encrypted Oracle source tables. Then, in a text editor, edit the configuration file and add the encrypted tables to the configuration manually.</p>
IFC-198	<p>If you enter a configuration file name in the Config file name field on the Runtime Settings tab > File Locations view and then save the configuration, the file name is not written to the configuration file. The next time you open the configuration file, the Config file name field will display the default name of <code>unload.ini</code> or the name that was last entered prior to opening the configuration file. If you change the file name, the new name is active only during the current Console session</p> <p>Workaround: Use the File > Save As menu command to save the configuration file under a specific configuration name. Alternatively, enter the path and file name for the configuration file in the Config file name field. In both cases, the file name is used for the current Console session and not saved to the configuration file.</p>
IFC-189	<p>If you have an Amazon Redshift target and any column in the corresponding source table has an unsupported datatype or is excluded from unload processing, FastClone also excludes other source columns at random. In this situation, load processing might end with data-length errors or datatype errors.</p> <p>Workaround: None.</p>
IFC-176	<p>Fast Clone DataStreamer does not release a lock on target Teradata tables after it fails to load source data to a Teradata target by using the TPT Load Operator. If the <code>teradata_downgrade_to_multiload_if_table_not_empty</code> runtime parameter is set to true, Fast Clone DataSteamer switches to the TPT Update Operator. However, the load fails again because of the lock on the target tables.</p>
IFC-174	<p>The <code>teradata_downgrade_to_multiload_if_table_not_empty</code> parameter is missing from the Runtime Settings tab > Teradata Load Settings view of the Fast Clone Console. You can add the parameter to the configuration file manually. However, the next time you open and save the configuration in the Fast Clone Console, this parameter will be removed from the <code>unload.ini</code> file.</p>
IFC-167	<p>If the name of an Oracle source table or the name of any column in the source table contains special characters, Fast Clone fails to unload data and returns the following Oracle error message:</p> <pre>ORA-00911: invalid character.</pre> <p>Workaround: After you connect to the source database from the Fast Clone Console, do not select source tables that have table names or column names with special characters. Instead, use a custom SQL statement to unload data from these tables. Perform the following steps:</p> <ol style="list-style-type: none"> 1. From the Fast Clone Console main menu, select Data > Add Conventional SQL. 2. In the Edit SQL Queries window, click Add. 3. Enter a name for the query. Then enter the following SQL query: <pre>[SOURCE_INDIRECT_STATEMENTS] QUERY1=select id,name,"\$x-date" from v\$tst2</pre>

Bug	Description
IFC-166	Fast Clone does not support integration with Data Replication for configurations that have Oracle 12c Release 2 sources.
IFC-152	For Amazon Redshift targets, Fast Clone produces output files without any enclosing character or character sequence around character data. If you specify the optionally_enclosed_by runtime parameter, it will not function.
IFC-97	<p>If you use the Browse button to select a Data Replication configuration .xml file or schema .xsd file on the Runtime Settings tab > Informatica Data Replication Integration view, the Fast Clone Console displays the full path to the file. After you save the configuration and start the unload job, Fast Clone additionally prepends the value of the DBSYNC_HOME environment variable to these file paths, which makes them invalid. The unload job will fail with an error message.</p> <p>Workaround: Before you save the configuration and run the unload job, edit the configuration .xml file and schema .xsd file fields in the Fast Clone Console to specify paths relative to the Data Replication root installation directory, for example, \configs\myconfig.xml or \config.xsd. You must store the files either in the Data Replication root installation directory (DBSYNC_HOME) or in a subdirectory of that directory.</p>
IFC-92	<p>If you use the Fast Clone Console to generate a target table based on a source table schema and the source table includes column datatypes that are not supported on the target, the Fast Clone Console might generate an invalid SQL CREATE TABLE script.</p> <p>Workaround: To generate a target table based on a source table schema that includes unsupported column datatypes, perform the following steps:</p> <ol style="list-style-type: none"> 1. Generate a SQL CREATE TABLE script. 2. Manually delete the unsupported columns from the script. 3. Run the edited script to create the table on the target.
IFC-85	The Load data to same partition as source field on the Runtime Settings tab > Oracle Load Setting view in the Fast Clone Console or the corresponding load_data_to_same_partition_as_source configuration file parameter does not have any effect on loading data to an Oracle target database.
IFC-69	<p>If you have a Teradata target and a column in the corresponding source table is excluded from unload processing, FastClone also excludes other source columns at random. Load processing then might end with data-length or datatype errors.</p> <p>Workaround: Use a load method other than DataStreamer. Also, manually edit the load scripts to include all of the columns with supported datatypes for which you want data loaded to the target.</p>
IFC-66	Fast Clone ignores any custom timestamp format that you define for a specific source column in the Fast Clone Console or in the [TIMESTAMP_FORMATS] or [table_id] section of the configuration file. Instead, Fast Clone uses the timestamp format that is specified on the Runtime Settings tab > Format Settings view or in the timestamp_format runtime parameter for all timestamp columns in a configuration.
IFC-62	If you select a subset of table partitions from which to unload data, Fast Clone unloads the data to a separate output data file for each selected partition, even though the Export table by partition check box is no longer displayed and cannot be selected. In this situation, Fast Clone cannot unload data to a single output file.
IFC-50	<p>The Fast Clone Console might generate an invalid WHERE clause in the [WHERE_CONDITION] and [SOURCE_INDIRECT_TABLES_WHERE_CONDITION] sections of the configuration file if you define multiple conditions for a column and a condition other than the last condition uses the BETWEEN operator. In this case, the WHERE filter is ignored and the unload job completes successfully. The following error message might be issued:</p> <pre>Unclosed OR clause - Last token of OR clause is AND instead of ')' Last token of where clause is <value> instead of ')'</pre> <p>Workaround: Ensure that the BETWEEN operator is used only in the last condition.</p>

CHAPTER 6

Informatica Global Customer Support

You can contact a Global Support Center by telephone or through Online Support on Informatica Network.

To find your local Informatica Global Customer Support telephone number, visit the Informatica website at the following link:

<http://www.informatica.com/us/services-and-training/support-services/global-support-centers>.

If you are an Informatica Network member, you can use Online Support at <http://network.informatica.com>.