



Cloud Data Integration Spring 2018 Connector Release Notes

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This document contains important information about upgrade, new features, changed behavior, closed enhancements, fixed limitations, and known limitations for Data Integration connectors.

2018 - August

CallidusCloud Badgeville Connector

CallidusCloud Badgeville Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-12907	Request timeout issue occurs while making a request to CallidusCloud Badgeville through proxy.

CallidusCloud Badgeville Connector Known Limitations

There are no known limitations in this release.

Google Analytics Connector

New Features

This section describes new features in Google Analytics Connector for the August 2018 release:

InfCustom Dataset

You can select dimensions and metrics of different Google Analytics reports in the **InfCustom** dataset in the **Package Explorer** and read data from multiple Google Analytics reports.

(CCON-12810)

Google Analytics Connector Fixed Limitations

There are no fixed limitations in this release.

Google Analytics Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-10492	When you read from a Google Analytics report and select a field that contains <code>XX</code> in the field name, the Secure Agent fails to fetch the metadata from the field and the mapping task fails with the following error: <code>[ERROR] java.lang.NullPointerException</code>
CCON-10455	When you read more than 100000 rows from a Google Analytics report, the mapping task fails.

Google BigQuery Connector

Google BigQuery Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-12665	When you select a Google BigQuery source or target in a synchronization task and the Google BigQuery project has 50 or more datasets, the Secure Agent fails to fetch the metadata of the Google BigQuery table.
CCON-12170	When you write data of String data type to a Google BigQuery target table, the mapping task fails if the following conditions are true: <ul style="list-style-type: none">- You select CSV as the Data Format of the staging file in the advanced target properties.- The value contains double quotes.

CR	Description
CCON-12061	When you run a synchronization task or mapping task to write data to a Google BigQuery target table and select CSV as the Data Format of the staging file in the advanced target properties, the task fails.
CCON-11421	Google BigQuery Connector cannot insert 0001-01-01 dates to the DateTime column in a Google BigQuery target table.
CCON-11410	When you write data of Integer data type to a Google BigQuery target table and the value contains more than 10 digits, the DTM drops the rows before writing to the Google BigQuery target table.
CCON-10482	When you run a synchronization task or mapping task to write data to a Google BigQuery target table and column in the source table contains NULL values, the task writes NULL values to subsequent columns in the target table.
INFA 02296682/02312443	When you run concurrent mapping tasks, the tasks fail indeterminately.

Google BigQuery Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-12704	When you write data of String data type to a Google BigQuery target table, the mapping task fails if the following conditions are true: <ul style="list-style-type: none"> - You select CSV as the Data Format of the staging file in the advanced target properties. - The value contains special characters.
CCON-11977	The test connection is successful even when you specify incorrect credentials in the connection properties.
CCON-7540	If you apply proxy settings to Google BigQuery Connector, the Secure Agent does not log the proxy details in the session log.
CCON-7452	If a Google BigQuery source contains the DATE, DATETIME, TIME, or TIMESTAMP data types and you create a Google BigQuery target at run time, the Secure Agent writes TIMESTAMP data to the target.
CCON-4485	When you write data to a Google BigQuery target, the Secure Agent does not write any row to the success file or error file.
CCON-4470	Google BigQuery Connector supports only the Owner user type.

Google Cloud Spanner Connector

New Features

This section describes new features in Google Cloud Spanner Connector for the August 2018 release:

Enable Bulk Read

You can select the **Enable Bulk Read** property to read data from large Google Cloud Spanner source tables. When you create a task in Cloud Data Integration, you can select the **Enable Bulk Read** property in the advanced properties for a Google Cloud Spanner source.

(CCON-10712)

Google Cloud Spanner Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-10712	<p>When you read a large number of records from a Google Cloud Spanner table, the mapping task runs indeterminately for a long period of time and the session log displays the following error:</p> <pre>"ERROR java.lang.OutOfMemoryError: GC overhead limit exceeded."</pre> <p>Workaround: Specify JVMOption3 as <code>-Xms1024m</code> and JVMOption4 as <code>-Xmx4096m</code> for the type DTM in the System Configuration Details section of the Secure Agent, and then restart the Secure Agent.</p> <p>If you run the mapping task and the same issue occurs, you must reduce the batch size to a lower value and increase the memory for the Java heap size.</p>

Google Cloud Spanner Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-11237	<p>If you include a partition enabled source and Google Cloud Spanner as a target in a mapping, the mapping fails with the following error message:</p> <pre>Partitioning is not supported by the selected connection type</pre>
CCON-11067	<p>When you use a parameterized source or target object in a mapping, the mapping task runs successfully.</p> <p>However, the following error message is displayed:</p> <pre>Cloud Spanner client has been closed.</pre> <p>Workaround: Ignore the error message.</p>
CCON-10718	<p>A table name or column name that contains more than 125 characters does not appear in the Field Mapping tab of the Source or Target transformation.</p>

Google Drive Connector

New Features

This section describes new features in Google Drive Connector for the August 2018 release:

MaxRowFailToAbort

You can configure the **MaxRowFailToAbort** advanced property for a Google Drive target to ensure that Secure Agent aborts a task immediately when a specified number of rows are not written to the target.

Google Drive Connector Fixed Limitations

There are no fixed limitations in this release.

Google Drive Connector Known Limitations

There are no known limitations.

Hive Connector

New Features

This section describes new features in Hive Connector for the Spring 2018 August release:

Support for Sort

You can sort data in Hive source objects.

(CCON-12482)

Encryption and Decryption

You can use encryption and decryption for Hive by creating an encryption zone. Use a staging directory for the encryption zone or create a hive table in the encryption zone location.

(CCON-12738)

Compression and Decompression

You can use compression and decompression for Hive by setting the properties in the `core-site.xml` file or in the `create table` command.

(CCON-9630)

Reserved Words

You can use a reserved word as a column name in table. You can also use a reserved word as a table name.

(CCON-12691)

Kerberos, SSL, and High Availability Support

You can read data from or write data to Hive clusters that are enabled for Kerberos, SSL, and High Availability.

Built-in Serde Support

You can use the built-in Hive Serde to read data from and write data to Hive tables.

Hive Connector Fixed Limitations

There are no fixed limitations in this release.

Hive Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-12542	When you run a mapping to write data to a Hive target and the columns consist of complex data types, the task fails with an error.

Marketo V3 Connector

New Features

This section describes new features in Marketo V3 Connector for the August 2018 release:

Proxy support

You can configure HTTP proxy server authentication settings for the Secure Agent when you connect to Marketo.

(CCON-7757)

Marketo V3 Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-9535	When you configure a task to write data to Marketo and the data contains special characters other than line feed and carriage return, the task fails.

Marketo V3 Connector Known Limitations

The following table describes the known limitations:

CR	Description
CCON-6854	When you configure a task to read data from a folder in Marketo, the task runs successfully even though you cannot specify the root parameter required for browsing folders in Marketo.
CCON-4811	The Hosted Agent does not support Lead - Filter Field and Lead - Filter Values CSV File advanced source properties.

Microsoft Azure Blob Storage V2 Connector

Microsoft Azure Blob Storage V2 Connector Fixed Limitations

There are no fixed limitations in this release.

Microsoft Azure BLOB Storage V2 Known Limitations_R29

The following table describes known limitations:

CR	Description
ICS-9832	When you select Create Target in a mapping and configure the formatting options, the Secure Agent ignores the specified formatting options.
CCON-9101	When you create a mapping task, the Header in the first row of Blob attribute in the advanced source and target properties is disabled by default.
CCON-8954	The Text Qualifier formatting option is ignored for data preview and at run time in a synchronization task.
CCON-8948	A synchronization task stops responding if the source blob contains a single quote (') as Text Qualifier.

Microsoft Azure Data Lake Store V2 Connector

Microsoft Azure Data Lake Store V2 Connector Fixed Limitations

There are no fixed limitations in this release.

Microsoft Azure Data Lake Store V2 Connector Known Limitation

The following table describes known limitations:

CR	Description
ICS-9832	When you select Create Target in a mapping and configure the formatting options, the Secure Agent ignores the specified formatting options.
CCON-7766	When you specify the Microsoft Azure Data Lake Store target, the Secure Agent incorrectly includes files for which you do not have write permission.
CCON-7728	If you specify a tab delimiter when you write data to Microsoft Azure Data Lake Store, the data preview fails.

CR	Description
CCON-7712	When you read files from Microsoft Azure Data Lake Store, which is more than 1 GB in size, the data preview takes more time.
CCON-7710	If you specify a space delimiter when you read data from Microsoft Azure Data Lake Store, the task fails.

Microsoft Dynamics 365 for Sales Connector

New Features

This section describes new features in Microsoft Dynamics 365 for Sales Connector for the Spring 2018 August release:

FetchXML Query with Lookup Support

When you use Microsoft Dynamics 365 for Sales sources and caching-disabled lookups, you can configure a condition in the FetchXML query.

(CCON-12619)

Retry Logic

You can use the retry logic to indicate whether the Secure Agent must attempt connection retries in the event of a connection failure while writing data.

(CCON-12724)

Picklist Fields

You can map the picklist fields to String values.

(CCON-12156)

Writer partitioning

You can configure pass-through partitioning for Microsoft Dynamics 365 for Sales target objects.

(CCON-11986)

Error Handling

When you write records in batch mode and get an error, you can check the error details in the error file of Microsoft Dynamics 365 for Sales Connector.

(CCON-10609)

Microsoft Dynamics 365 for Sales Connector Fixed Limitations

There are no fixed limitations in this release.

Microsoft Dynamics 365 for Sales Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-10854	When you use the data driven operation on a target in CRM, the DD_UPDATE or DD_DELETE constraints do not work.

Microsoft Sharepoint Online Connector

New Features

This section describes new features in Microsoft Sharepoint Online Connector for the Spring 2018 August release:

Support for Custom Fields in the List Object

You can read or write data to the custom fields in the list object.

Microsoft Sharepoint Online Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-10650	When you run a task to read more than 100 records in a list object from Microsoft Sharepoint Online, the Secure Agent reads only 100 records.

Microsoft Sharepoint Online Known Limitations

The following table describes known limitations:

CR	Description
CCON-11473	When you create a synchronization task to read or write more than 10 records, the data preview fails and you cannot run the task. Workaround: Recreate and run the synchronization task with less than 10 records.
CCON-10176	When you create a synchronization task, in addition to displaying data in data preview, it downloads the files in the attachment file path that you specified in the connection property.
CCON-10174	When you run a task to upload a file to Microsoft Sharepoint Online and if the required file is not available in the specified attachment file path, the Microsoft Sharepoint Online Connector creates an empty file with the same file name in the Microsoft Sharepoint Online application.

NetSuite Connector

NetSuite Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-12262	If you use multiple concurrency threads to run a task, the task might take a long time to run.

NetSuite Connector Known Limitations

There are no known limitations in this release.

Snowflake Connector

New Features

This section describes new features in Snowflake Connector for the Spring 2018 August release:

Azure Support

You can use Snowflake Connector to read data from and write data to Snowflake that is enabled for staging data in Azure or Amazon.

Okta Authentication

You can configure Okta SSO authentication by specifying the authentication details in the JDBC URL parameters of the Snowflake connection.

Snowflake Connector Fixed Limitations

There are no fixed limitations in this release.

Snowflake Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-12957	You cannot use the user-defined Azure Blob staging location for creating temporary tables.
CCON-12681	When you configure a task with an uncached lookup transformation, the mapping fails.
CCON-12521	When you read Snowflake data that contains the timestamp data type, the timestamp value can include up to 9 fractional seconds, but when you write the timestamp data type, the timestamp value can include only up to 3 fractional seconds.
CCON-12226	When you run a task to insert and update data to multiple Snowflake tables by using the same Snowflake connection, the Secure Agent fails to recognise the update column while performing the update operation. Workaround: Use separate Snowflake connections for the insert and update operation.
CCON-11123	When you import a Snowflake object, you cannot differentiate between tables or views from the Snowflake metadata.
CCON-8725	If a source field contains more than 256 characters in a pushdown optimization task, the task fails.
CCON-8548	If the lookup condition fetches multiple matches and if the multiplicity option is set to Report error, the task does not fail.
CCON-8363	If you select a single target and write to multiple tables, the task fails.
CCON-8310	You cannot read from or write to a table that has special or i18n characters in column names or the table name.

Snowflake Connector Third-Party Limitations

The following table describes third-party known limitations:

CR	Description
CCON-8581	When you perform update, delete, or update else insert operation, the agent writes incorrect row statistics and rejected rows in the log file. Also, the agent does not log an error message in the log file if the task fails.

Tableau V3 Connector

New Features

This section describes new features in Tableau V3 Connector for the Spring 2018 August release:

Support for Tableau Packaged Workbook File

You can create a Tableau packaged workbook (TWBX) and publish the generated TWBX file to Tableau Desktop, Tableau Server, or Tableau Online.

Support for Sub-Directory Structure

The target object list displays all the directories and sub-directories that contains the `.hyper` extract files. You do not have to add different target connections to view all the different `.hyper` extract files.

Tableau V3 Connector Fixed Limitations

There are no fixed limitations in this release.

Tableau V3 Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-12924	If the Secure Agent is installed on Linux, the folder names with Unicode characters do not appear in the folder hierarchy.
CCON-12598	When you run a mapping to write large amounts of data to a target, the mapping fails with the following error message: Fails with <code>java.lang.OutOfMemoryError: GC overhead limit exceeded</code> for higher data load Workaround: You must increase the Java heap size to accommodate memory requirements to write large amounts of data to the target.
CCON-12515	When you run a mapping to write data to multiple Tableau targets, the mapping fails.

Teradata Connector

Teradata Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-12497	When you run a Teradata mapping and the column is defined with the title, the Secure Agent is unable to find that column.

Teradata Connector Known Limitations

The following table describes the known limitations:

CR	Description
IF-11312	When the Teradata target table has a timestamp field and the table name is more than 30 characters, the Secure Agent writes the records to the error table.

2018 - July

New Connectors

This section describes new connectors in the July 2018 release:

[Adobe Cloud Platform Connector](#)

You can use Adobe Cloud Platform connector to securely read data from and write data to Adobe Cloud Platform.

You can integrate and transform data from sources, such as flat files, databases, and applications into a standard Experience Data Model (XDM) schema in Adobe Cloud Platform.

[CMMS MVP Plant Connector](#)

You can use CMMS MVP Plant Connector to connect to CMMS MVP Plant from Data Integration. Use CMMS MVP Plant connector to securely read data from and write data to CMMS MVP Plant.

You can integrate and transform data from sources, such as flat files, databases, and applications.

[Tableau V3 Connector](#)

You can use Tableau V3 Connector to securely write data to Tableau. You can use Tableau V3 object as a target in mappings and Mapping tasks.

You can integrate and transform data from sources, such as flat files, databases, and applications, to generate a `.hyper` output file. You can use the Tableau V3 connection to publish the `.hyper` file generated to Tableau.

[Adobe Cloud Platform Connector](#)

[Adobe Cloud Platform Connector Fixed Limitations](#)

There are no fixed limitations in this release.

Adobe Cloud Platform Connector Known Limitations

The following table describes the known limitations:

CR	Description
CCON-12524	The Adobe Cloud Platform connector can read and write only the first element of primitive or complex array field of XDM.

Amazon Redshift V2 Connector

New Features

This section describes new features in Amazon Redshift V2 Connector for the July 2018 release:

Target Partitioning

When you write data to Amazon Redshift, the Secure Agent uses the pass-through partitioning to optimize the mapping performance at run time.

Amazon Redshift V2 Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-11113	If you include a partition enabled source and Amazon Redshift as a target in a mapping, the mapping fails with the following error message: <code>Partitioning is not supported by the selected connection type</code>

Amazon Redshift V2 Connector Known Limitations

The following table describes the known limitations:

CR	Description
IF-8064	The Secure Agent ignores the upsert or update task operation that you specify in the Operation target property. Workaround: Select the task operation from the Treat Source Rows As property in the advanced target properties.
CCON-12148	When you run a mapping to update data to a target table that contains a primary key, the Secure Agent considers the primary key that is present in the target table and not the primary key that you specify in the Update Column field.
CCON-11991	If you select the value of the Operation target property as upsert and run a mapping, the Secure Agent performs an update operation instead of an upsert operation.
CCON-11332	You cannot configure a partition key of the Date/time data type.

CR	Description
CCON-11276	When you use the Create Target option, the Secure Agent maps the Smallint, Integer, and Boolean data types in the source table to the Bigint data type in the target table.
CCON-11218	<p>When you read data from an Amazon S3 source and write data to an Amazon Redshift target using the Create Target option, the task fails with the following error message:</p> <pre>Cannot create target for transformation Target due to the following reason: [Index: 0, Size: 0].</pre> <p>This issue occurs when you do not select the Import Column From first line property in the Amazon S3 V2 source Formatting Options.</p> <p>Workaround: You must select the Import Column From first line property in the Amazon S3 V2 source Formatting Options.</p>

Amazon S3 V2 Connector

New Features

This section describes new features in Amazon S3 V2 Connector for the July 2018 release:

Code Page

You can select the code page that the Secure Agent must use to read or write data. Amazon S3 V2 Connector supports the following code pages:

- MS Windows Latin 1. Select for ISO 8859-1 Western European data.
- UTF-8. Select for Unicode and non-Unicode data.
- Shift-JIS. Select for double-byte character data.
- ISO 8859-15 Latin 9 (Western European).
- ISO 8859-2 Eastern European.
- ISO 8859-3 Southeast European.
- ISO 8859-5 Cyrillic.
- ISO 8859-9 Latin 5 (Turkish).
- IBM EBCDIC International Latin-1.

Upgrade Notes

After you upgrade from a previous version of Amazon S3 V2 Connector to Amazon S3 V2 Connector 2018-July version, if you have provided only the bucket name in the **Folder Path** connection property in the existing mapping, you can only select the files that are available inside the bucket or the folder. You cannot select any files that are available within a sub-folder.

You must re-create the mapping and provide the entire folder path along with the bucket name in the **Folder Path** connection property.

Amazon S3 V2 Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
IF-12600	When you create a task and if you do not click the Formatting Options tab, the values for the Formatting Options are not considered.
CCON-10535	When you run a mapping to read data from a Parquet file that contain null values, the data preview fails with the following error message: <pre>java.lang.RuntimeException: java.lang.RuntimeException:</pre>
CCON-10533	When you run a mapping to write data to a Parquet target and if you do not connect all the ports in the target, the mapping fails.

Amazon S3 V2 Connector Known Limitations

The following table describes known limitations:

CR	Description
IF-13141	When you run a mapping to read or write files that uses the following code pages, the mapping fails: <ul style="list-style-type: none">- ISO 8859-15 Latin 9 (Western European)- ISO 8859-3 Southeast European
IF-13140	When you provide only the bucket name in the Folder Path connection property, you can select the files that are available inside the bucket or the folder. However, if you select any files that are available within a sub-folder, the following error message occurs: <pre>Failed to validate the data object because the entry [infa.qa.bucket] already exists in the collection [null]. Provide a unique name for the entry.</pre> Workaround: You must provide the entire folder path along with the bucket name in the Folder Path connection property.
IF-13014	When you create a task and if you do not click the Formatting Options tab, the task fails.
IF-12553	When you run a mapping to write data to a Parquet target and if the precision for the string values is greater than 4000, the Secure Agent truncates the data.
CCON-10765	When you run a task to read data from or write data to a file that contains no header, the task fails.
CCON-10537	You cannot use Amazon S3 V2 Connector to read or write Avro and Parquet files on Windows.
CCON-10355	The following Formatting Options are not honored: <ul style="list-style-type: none">- Generate Header- MaxRowsToPreview- RowDelimiter

CR	Description
CCON-10131	When you select an encryption type and run a mapping to read or write Avro and Parquet files, the mapping runs successfully. However, the encryption type is not honoured.
CCON-2678	If the delimiter in the source and target is a multibyte character, the mapping fails.

Ariba Connector

New Features

This section describes new features in Ariba Connector for the July 2018 release.

Ariba Connector Supported Objects

When you write data to Ariba, you can use the following new Ariba objects as targets:

- Import Assets
- Import Internal Order Codes
- Import Company Code Internal Order Mapping
- Import User Data
- Import User to Group Mapping Data
- Import Remittance Location Data
- Import Currency Conversion Rates
- Import Supplier Data
- Import Supplier Location Data
- Export Purchase Order to ERP
- Export Receipts
- Export Receipt Status
- Export Payment Requests
- Export Financial Extract

Ariba Connector Fixed Limitations

There are no fixed limitations in this release.

Ariba Connector Known Limitations

There are no known limitations in this release.

BigMachines Connector

New Features

This section describes new features in BigMachines Connector for the July 2018 release:

Batch Size

You can configure the **Batch Size** connection property to perform bulk upsert operation on Data Tables object.

(CCON-10491)

BigMachines Connector Fixed Limitations

There are no fixed limitations in this release.

BigMachines Connector Known Limitations

There are no known limitations in this release.

CallidusCloud Badgeville Connector

CallidusCloud Badgeville Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-12494	Request timeout issue occurs while making a request to CallidusCloud Badgeville.

CallidusCloud Badgeville Connector Known Limitations

There are no known limitations in this release.

Hive Connector

New Features

This section describes new features in Hive Connector for the Spring 2018 July release:

Target Support

You can configure Hive objects as targets in mappings and mapping tasks.

Truncate Target Support

You can select the **Truncate Target** check box to truncate the target table before inserting new rows.

Partition Support

You can configure partitioning for a Hive table. Each table in Hive can have one or more partition keys to identify a partition.

Bucket Support

You can configure buckets to segregate the data in Hive tables into multiple files or directories.

Hive Connector Fixed Limitations

There are no fixed limitations in this release.

Microsoft Azure Blob Storage V3 Connector

New Features

This section describes new features in Microsoft Azure Blob Storage V3 Connector for the July 2018 release:

JSON files

You can read and write JSON files with the Microsoft Azure Blob Storage V3 connection.

(CCON-11015)

Microsoft Azure Blob Storage V3 Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-12129	When you read a Parquet source that contains Null values, the mapping task fails.
CCON-11873	When you read an Avro source and create a target flat file at run time, the Secure Agent rounds off float and double values in the target file.

Microsoft Azure BLOB Storage V3 Known Limitations

The following table describes known limitations:

CR	Description
IF-13188	When you provide only the container name in the connection properties, you cannot select files under directory structure having greater than two levels. Consider a path, <code>sourceDataContainer\Marketing\Advertisement</code> . If the <code>sourceDataContainer</code> is the container name, you cannot select files inside the <code>Advertisement</code> folder.
IF-12413	When you edit metadata in the Fields tab in a mapping, all native data types change to Bigint and you cannot change the scale and precision of data types except string.
IF-12403	When you change the schema source from Import from schema file to Read from data file , the data preview does not display correctly.
CCON-12636	When you write a JSON file of size 1GB or more, the task fails with the java heap space error. Workaround: Set the JVM options for type DTM to increase the -Xms and -Xmx values in the system configuration details of the Secure Agent.
CCON-12616	When you write a JSON file in which column names include unicode characters, the task fails.
CCON-12612	When you write an Avro or a Parquet file that contains Null values, the mapping task writes incorrect data in the target for the fields having Null values.

CR	Description
CCON-12566	When you write a JSON file to a target, you cannot select <code>Append Blob</code> in the Write Strategy property.
CCON-12300	When you use <code>Create Target</code> to write an Avro file, the schema is created with primitive data types without providing an option to allow Null values. Workaround: Manually edit the schema to allow Null values as required. For example: <pre>{ "type": "record", "name": "S3_Avro_CT_N", "fields": [{ "name": "c_custkey" , "type": ["int", "null"]}, { "name": "c_name" , "type": "string"} { "name": "c_nationkey" , "type": ["long", "null"]}]}</pre>
CCON-12094	When you write a Parquet file to a target, the data gets truncated if the Parquet source file has values containing more than 4000 characters even after increasing the precision of the data type.
CCON-11979	Microsoft Azure Blob Storage V3 Connector displays the following common error message for all failed mappings: <i>The Integration Service found Informatica Hadoop distribution directory [/data/home/cloudqa/staging1/apps/Data_Integration_Server/52.0.16/ICS/main/distros/cloudera_cdh5u8/lib and /conf] for Hadoop class loader.</i>
ICS-9832	When you select <code>Create Target</code> in a mapping and configure the formatting options, the Secure Agent ignores the specified formatting options.

Microsoft Azure Data Lake Store V3 Connector

New Features

This section describes new features in Microsoft Azure Data Lake Store V3 Connector for the July 2018 release:

JSON files

You can read and write JSON files with the Microsoft Azure Data Lake Store V3 connection.

(CCON-9827)

Microsoft Azure Data Lake Store V3 Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-12007	When you read a Parquet source that contains Null values, the mapping task fails.
CCON-11953	When you read an Avro source and create a target flat file at run time, the Secure Agent rounds off float and double values in the target file.

Microsoft Azure Data Lake Store V3 Connector Known Limitations

The following table describes known limitations:

CR	Description
IF-12413	When you edit metadata in the Fields tab in a mapping, all native data types change to Bigint and you cannot change the scale and precision of data types except string.
IF-12403	If you change the schema source from Import from schema file to Read from data file , the data preview does not display correctly.
CCON-12645	When you use Create Target to write a JSON file, the boolean values are written as 1 or 0 instead of <code>true</code> or <code>false</code> as in the source file.
CCON-12638	When you write a JSON file of size 1GB or more, the task fails with the java heap space error. Workaround: Set the JVM options for type DTM to increase the -Xms and -Xmx values in the system configuration details of the Secure Agent.
CCON-12614	When you write a JSON file in which column names include unicode characters, the task fails.
CCON-12547	When you read a JSON file from a Microsoft Azure Data Lake Store source and write the JSON file to a Microsoft Azure Data Lake Store target, the precision of the Decimal data type field is changed in the target file.
CCON-12522	When you write an Avro or a Parquet file that contains Null values, the mapping task writes incorrect data in the target for the fields having Null values.
CCON-12331	When you use Create Target to write an Avro file, the schema is created with primitive data types without providing an option to allow Null values. Workaround: Manually edit the schema to allow Null values as required. For example: <pre>{ "type": "record", "name": "S3_Avro_CT_N", "fields": [{ "name": "c_custkey" , "type": ["int", "null"]}, { "name": "c_name" , "type": "string"} { "name": "c_nationkey" , "type": ["long", "null"]}]}</pre>
CCON-12094	When you write a Parquet file to a target, the data gets truncated if the Parquet source file has values containing more than 4000 characters even after increasing the precision of the data type.
CCON-11978	Microsoft Azure Data Lake Store V3 Connector displays the following common error message for all failed mappings: <i>The Integration Service found Informatica Hadoop distribution directory [/data/home/cloudqa/staging1/apps/Data_Integration_Server/52.0.16/ICS/main/distros/cloudera_cdh5u8/lib and /conf] for Hadoop class loader.</i>
CCON-7728	If you specify a tab delimiter when you write data to Microsoft Azure Data Lake Store, the data preview fails.

Microsoft Dynamics CRM Connector

Microsoft Dynamics CRM Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-12425	When you run a synchronization or mapping task, the request to Microsoft Dynamics CRM might fail with the following error: <code>java.net.SocketException: Unexpected end of file from server</code>
CCON-11876	When you write NULL to an entity ID, for example, accountid, the task fails with the following error: " [ERROR] Failed to insert the record of entityId [null] into Microsoft Dynamics CRM because of the following error: [null]"
CCON-11874	If the source has special unicode characters such as €, â, or ´, the synchronization or mapping task fails with the following error: "[ERROR]: An invalid XML character was found in the element content of the document"

Microsoft Dynamics CRM Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-3897	If you create a connection while creating a mapping, you cannot select a runtime environment. Workaround: Create a connection before you create a mapping.
CCON-3144	When you configure a synchronization task, data preview does not display PartyList data type fields.
CCON-3049	If you filter source data by using the \$LastRunTime variable in a synchronization task or a mapping task, the task fails with the following error: <code>ERROR arg1=Invalid XML. arg2=null arg3=null arg4=null arg5=null</code>
CCON-2617	Error files are created in the default directory even if you specify a custom directory in the Error Log File Directory field in a Cloud Mapping Designer task. All error files are created in the following directory: <code><Secure Agent installation directory>\apps\Data_Integration_Server\data\error</code>

CR	Description
CCON-2610	If you download and view an error file, the error file does not display all the error rows.
CCON-2386	If you filter source data by using the \$LastRunTime variable in a Mapping Configuration task, the task fails to filter the data.

Netezza Connector

Netezza Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-12047	If the Secure Agent is installed on Linux and the Netezza source contains the nchar data type, the Secure Agent converts blank data of the nchar data type to NULL in the target.
CCON-11708	When a Netezza mapping fails because of an expired Netezza database certificate, an incorrect error message about unicode text appears in the log file.

REST V2 Connector

REST V2 Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-9329	When the request input field is used as a page parameter, mapping fails with the following error: [ERROR] Page parameter [ProductID] not found

REST V2 Connector Known Limitations

The following table describes known limitations:

CR	Description
IF-9352	The namespace attribute is not supported in the request message.
IF-8919	Request message validation is not supported when the Informatica JSON parser is enabled.
CCON-12580	You cannot define a page parameter on the request input field if the payload is of type XML.
CCON-11792	The REST V2 Connector does not support multiple mime types in the swagger definition. When a swagger definition has multiple mime types in consumes and produces attribute values, the REST V2 Connector considers the payload to be of first mime type in the list. Workaround: Modify the swagger definition locally and set a single mime type based on the payload you want to use.

CR	Description
CCON-10272	REST V2 Connector does not support extended ascii characters and I18N characters in a field name.
CCON-7687	When you use the REST V2 connection to read JSON data with an array of response, the session log contains only the first instance of the array.
CCON-4389	<p>Mappings that read data of Long data type fail with the following error:</p> <pre>Hierarchical input precision set is : [102400]</pre> <p>Workaround: In the swagger specification file, set <code>type</code> as <code>normal</code> and <code>format</code> as <code>int64</code> for fields that contain values of Long data type.</p>

Snowflake Connector

New Features

This section describes new features in Snowflake Connector for the Spring 2018 July release:

SQL Override

You can configure an SQL override in the Snowflake advanced source properties of a mapping task when you want to override the default SQL query used to extract data from the Snowflake source.

JDBC URL Parameters

You can override the database and schema name used to create temporary tables in Snowflake. You can add the database and schema name that you want to override in the JDBC URL parameters of the Snowflake connection.

You can enter the database and schema name in the following format: `ProcessConnDB=<DB name>&ProcessConnSchema=<schema_name>`

Table Name

You can configure a task to read from or write data to Snowflake table names that contain uppercase, lowercase, and mixed case alphabets, including numbers and special characters.

Changed Behavior

This section describes the changes in Snowflake Connector for the July 2018 release:

Snowflake Connector uses 3.6.4 version of the JDBC driver.

Previously, Snowflake Connector used JDBC driver version 3.5.0.

Snowflake Connector Fixed Limitations

There are no fixed limitations in this release.

Snowflake Connector Third-Party Fixed Limitations

The following table describes third-party fixed limitations:

CR	Description
CCON-12267	When you write data to Snowflake, the Secure Agent writes empty string and null values as null.
CCON-9950	When you configure partitioning for a mapping that reads data from a flat file to a Snowflake table, and if the source data contains the Date data type, the mapping fails with an <code>ArrayIndexOutOfBoundsException</code> error.
CCON-8531	You cannot use the Snowflake connection to write data of Time data type to a Snowflake target. Snowflake ticket reference number: CL-6735304

Snowflake Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-12681	When you configure a task with an uncached lookup transformation, the mapping fails.
CCON-12521	When you read Snowflake data that contains the timestamp data type, the timestamp value can include up to 9 fractional seconds, but when you write the timestamp data type, the timestamp value can include only up to 3 fractional seconds.
CCON-12226	When you run a task to insert and update data to multiple Snowflake tables by using the same Snowflake connection, the Secure Agent fails to recognise the update column while performing the update operation. Workaround: Use separate Snowflake connections for the insert and update operation.
CCON-11123	When you import a Snowflake object, you cannot differentiate between tables or views from the Snowflake metadata.
CCON-8725	If a source field contains more than 256 characters in a pushdown optimization task, the task fails.
CCON-8548	If the lookup condition fetches multiple matches and if the multiplicity option is set to Report error, the task does not fail.

CR	Description
CCON-8363	If you select a single target and write to multiple tables, the task fails.
CCON-8310	You cannot read from or write to a table that has special or i18n characters in column names or the table name.

Tableau V3 Connector

Tableau V3 Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-12924	If the Secure Agent is installed on Linux, the folder names with Unicode characters do not appear in the folder hierarchy.
CCON-12598	When you run a mapping to write large amounts of data to a target, the mapping fails with the following error message: Fails with <code>java.lang.OutOfMemoryError: GC overhead limit exceeded</code> for higher data load Workaround: You must increase the Java heap size to accommodate memory requirements to write large amounts of data to the target.
CCON-12515	When you run a mapping to write data to multiple Tableau targets, the mapping fails.

2018 - June

New Connectors

This section describes new connectors in the June 2018 release:

Microsoft Azure Blob Storage V3 Connector

You can use Microsoft Azure Blob Storage V3 Connector to connect to Microsoft Azure Blob Storage from Data Integration. You can read and write delimited text files and the industry-standard file formats, such as Avro, JSON, and Parquet files. Use Microsoft Azure Blob Storage V3 objects as sources and targets in mass ingestion tasks and mapping tasks.

Microsoft Azure Cosmos DB SQL API Connector

You can use Microsoft Azure Cosmos DB SQL API Connector to connect to Microsoft Azure Cosmos DB from Data Integration. You can use Cosmos DB SQL API to read JSON documents from and write JSON documents to a collection in the Cosmos DB database. You can use Microsoft Azure Cosmos DB SQL API objects as sources and targets in mappings and mapping tasks.

Microsoft Azure Data Lake Store V3 Connector

You can use Microsoft Azure Data Lake Store V3 Connector to connect to Microsoft Azure Data Lake Store from Data Integration. You can read and write `.csv` files and the industry-standard file formats, such as Avro and Parquet files. Use Microsoft Azure Data Lake Store V3 objects as sources and targets in synchronization tasks, mappings, and mapping tasks.

Amazon Redshift V2 Connector

New Features

This section describes new features in Amazon Redshift V2 Connector for the June 2018 release:

- You can use multiple source objects to read data from an Amazon Redshift source.
- You can use octal values of printable and non-printable ASCII characters as a DELIMITER or QUOTE.
- You can read unique values from a source by using the **Select Distinct** advanced source property.
- You can use the pre-SQL and post-SQL commands in the UNLOAD or COPY commands to read from or write data to Amazon Redshift.

Changed Behavior

This section describes the changes in Amazon Redshift V2 Connector for the June 2018 release:

- When you create or run a mapping, the Secure Agent performs the task operation based on the value that you specify in the **Operation** target property by default.
Previously, the Secure Agent ignored the value you specify in the **Operation** target property.
- The names of the following advanced properties are changed:
 - The **Part Size** advanced source property name is changed to **Multipart Download Threshold Size**.
 - The **Part Size** advanced target property name is changed to **Minimum Upload Part Size**.
 - The **Null value for CHAR and VARCHAR data types** advanced target property name is changed to **Require Null Value For Char and Varchar**.
 - The **Wait time in seconds for file consistency on S3** advanced target property name is changed to **WaitTime In Seconds For S3 File Consistency**.
 - The **Turn on S3 Server Side Encryption** advanced property name is changed to **S3 Server Side Encryption**.
 - The **Turn on S3 Client Side Encryption** advanced property name is changed to **S3 Client Side Encryption**.
- You can select **None** as an option in the **Treat Source Rows As** advanced target property to consider the task operation that you specify in the **Operation** target property.
Previously, the Secure Agent ignored the value you specify in the **Operation** target property.
- You can disable the escape option when you configure the Unload command.
Previously, the escape option was enabled by default.

- You do not need to add the `GetBucketPolicy` permission in the Amazon S3 bucket policy to connect to Amazon S3.

Previously, you had to add the `GetBucketPolicy` permission in the Amazon S3 bucket policy to connect to Amazon S3.

Amazon Redshift V2 Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-11205	When you run a mapping to perform an update, delete, or upsert operation and provide a column table that contains a primary key, the mapping fails.
CCON-10095	When you try to establish an Amazon S3 connection, the connection might fail.
CCON-11090	Even though the target table column contains a primary key, you must add a primary key to update the table column.
CCON-11057	When you map a field to a target table that contains the IDENTITY column and run a mapping, the mapping fails.
CCON-9798	When a mapping fails to read data from or write data to Amazon Redshift, the Secure Agent does not log the error message in the session log.

Amazon S3 V2 Connector

New Features

This section describes new features in Amazon S3 V2 Connector for the June 2018 release:

Distribution Column

You can write to multiple files in Amazon S3 target from a single source.

Changed Behavior

This section describes the changes in Amazon S3 V2 Connector for the June 2018 release:

Effective in version June 2018 release, you do not need to add the `GetBucketPolicy` permission in the Amazon S3 bucket policy to connect to Amazon S3.

Previously, you had to add the `GetBucketPolicy` permission to connect to Amazon S3.

Amazon S3 V2 Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-10218	When you run a task to write data to an Amazon S3 target and select the Import from schema file option, the Secure Agent creates a duplicate header row in the target file.
CCON-11084	When you run an Amazon S3 V2 mapping to read client-side encrypted data and select the Read from data file option, the task fails.

Anaplan V2 Connector

New Feature

This section describes the changes in Anaplan V2 Connector for the June 2018 release:

Use API Based Metadata

You can use Anaplan V2 Connector to import API based metadata from Anaplan and use API based field mapping instead of File based field mapping in a synchronization task. When you import API based metadata, Anaplan V2 Connector reads the column header information from Anaplan APIs directly without referring to files in Anaplan.

To use API based field mappings in synchronization tasks, select the **Use API Based Metadata** checkbox when you create a Anaplan V2 connection in Data Integration.

Anaplan V2 Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-12042	When you run a synchronization task to write data to Anaplan, the status logs appears as in progress for a long period of time even after the Secure Agent successfully loads the data to Anaplan.

Anaplan V2 Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-8970	If a column in the Anaplan module contains multiple lines of text, the export operation fails.
	If a column in the Anaplan module contains more than one list, the export operation fails.

CallidusCloud Badgeville Connector

New Features

This section describes new features in CallidusCloud Badgeville Connector for the June 2018 release:

createdAt

When you use the Activity object as a target in a mapping task, you can use the **createdAt** field to create an Activity object in CallidusCloud Badgeville based on a timestamp that you specify.

CallidusCloud Badgeville Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-12043	When you use the Activity object as a target in a task and enable the Hash Email advanced target property, the email referenced by CallidusCloud Badgeville is not encrypted.
CCON-12045	When you use the Activity object as a target in a task, both the name of the custom field and its value are sent through the CallidusCloud Badgeville URI parameter data.

CallidusCloud Badgeville Connector Known Limitations

There are no known limitations in this release.

Coupa V2 Connector

New Features

This section describes new features in Coupa V2 Connector for the June 2018 release:

Custom Field Config

To read data from or insert data into custom fields in Coupa objects, you must configure the **Custom Field Config** property when you create a Coupa V2 connection.

You can use Coupa V2 Connector to configure custom fields in the following Coupa objects:

- Address
- Advance Ship Notices

- Asset Tag
- Commodities
- Contracts
- Department
- Expense Categories
- Expense Reports
- Forms
- Invoices
- Items
- Lookup Values
- Punchout Sites
- Purchase Orders
- Receipts
- Requisitions
- Suppliers
- User
- Warehouse

(CCON-11053)

Coupa V2 Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-11290	When you perform a POST operation on a Coupa target, the mapping task runs for a long period of time if one of the following conditions are true: <ul style="list-style-type: none"> - A row is already present in the Coupa target resource. - The source field contains an invalid value that is mapped to the Coupa target.

Coupa V2 Connector Known Limitations

The following table describes the known limitations:

CR	Description
CCON-11174	If you perform PATCH operation on a Coupa resource, the mapping task fails.

Eloqua Bulk API Connector

Eloqua Bulk API Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-11577	When you use the EmailsendActivity object to fetch records from the Eloqua Bulk API source, the Secure Agent does not fetch all the records.
CCON-10733	When a mapping fails to read data from an Eloqua Bulk API source, the Secure Agent does not display any error message.

Eloqua Bulk API Connector Known Limitations

There are no known limitations in this release.

File Processor Connector

New Features

This section describes new features in File Processor Connector for the June 2018 release:

IBM z/OS FTP Server Support

You can create a File Processor connection to connect to an IBM z/OS FTP server. You can also use FTP_GET for the IBM z/OS FTP server.

(CCON-11900)

File Processor Connector Fixed Limitations

There are no fixed limitations in this release.

File Processor Connector Known Limitations

There are no known limitations in this release.

Google BigQuery Connector

Google BigQuery Connector Fixed Limitations

There are no fixed limitations in this release.

Google BigQuery Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-11977	The test connection is successful even when you specify incorrect credentials in the connection properties.
CCON-7540	If you apply proxy settings to Google BigQuery Connector, the Secure Agent does not log the proxy details in the session log.
CCON-7452	If a Google BigQuery source contains the DATE, DATETIME, TIME, or TIMESTAMP data types and you create a Google BigQuery target at run time, the Secure Agent writes TIMESTAMP data to the target.
CCON-4485	When you write data to a Google BigQuery target, the Secure Agent does not write any row to the success file or error file.
CCON-4470	Google BigQuery Connector supports only the Owner user type.

Hive Connector

Hive Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-11075	You cannot use a reserved word as a column name in a table. You can use a reserved word as a table name.

JIRA Connector

JIRA Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-11338	When you extract the data from projects through ALL_Projects, the task fails with an error because the en dash character is not supported.

JIRA Connector Known Limitations

There are no known limitations for this release.

Microsoft Azure Cosmos DB SQL API Connector

Microsoft Azure Cosmos DB SQL API Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-12164	When you run a task to fetch the data and the collection name or column consists of special characters, the task fails with an error.
CCON-12139	When you run a task to fetch the data and the collection name or column consists of UTF characters, the task fails with an error.
CCON-12112	When you run a task to write Unicode characters, the data gets corrupted. Workaround: Set the JVM options for type DTM to <code>-Dfile.encoding=UTF8</code> .
CCON-12075	If you run a task and the database has many objects, the object selection and object search processes take a long time.
CCON-12001	When you run a task to read files each of size more than 1 MB, the task fails with the following error: <code>java.lang.OutOfMemoryError: Java heap space</code> Workaround: Increase the <code>mxm</code> value in system configuration details to increase the memory.
CCON-11996	When you run a task to fetch the data and the Cosmos DB source contains special characters, the task fails with an error.
CCON-11983	When you create a task, select Formatting Options , and import the schema source, the columns are not projected in the schema file.
CCON-11982	When you create a task, you cannot edit the native metadata in the Fields tab.

Microsoft Azure Data Lake Store V2 Connector

Microsoft Azure Data Lake Store V2 Connector Fixed Limitations

There are no fixed limitations in this release.

Microsoft Dynamics 365 for Sales Connector

New Features

This section describes new features in Microsoft Dynamics 365 for Sales Connector for the June 2018 release:

Alternate Key Value

When you perform insert, update, upsert, and delete operations on a target, the key values are written in the session log.

(CCON-11926)

Key Range Partitioning

You can configure key range partitioning for sources.

(CCON-11927)

Transactional Write with Batch Mode

When the transactional write check box is not selected, you can write records in batch mode for update and upsert operations.

(CCON-11928)

Pagination with FetchXML

When you read data from Microsoft Dynamics 365 for Sales sources, you can use pagination with FetchXML queries.

(CCON-11654)

Client Certificate Grant Authentication Support

You can use the OAuth 2.0 Client Certificate Grant authentication type.

(CCON-11641)

Microsoft Dynamics 365 for Sales Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-11692	When you write a null value to lookup, customer, and owner data types, the field value does not get updated with the null value and the task fails with the following error: [ERROR] Failed to update record with key because : [Versioning is not supported at property level.]
CCON-11677	Microsoft Dynamics 365 for Sales Connector can read the curly brace { } in a string. However, the connector cannot read the curly braces {, }, or }{ in a string and the task fails with the following error: [FATAL] The request failed with the following response message: [Iteration must be completed in order to retrieve the link for next page].

Netezza Connector

New Features

This section describes new features in Netezza Connector for the Spring 2018 June release:

SQL Statements

When you create a task in Cloud Data Integration, you can specify pre-SQL and post-SQL statements in the advanced properties for a Netezza source or target.

When you run a pre-SQL statement for a Netezza source in a mapping, the Secure Agent runs the pre-SQL statement before reading data from Netezza. When you define a post-SQL statement for a Netezza source in a mapping, the Secure Agent runs the post-SQL statement after reading data from Netezza.

When you configure a pre-SQL statement for a Netezza target, the Secure Agent runs the pre-SQL statement before writing data to Netezza. When you configure a post-SQL statement for a Netezza target, the Secure Agent runs the post-SQL statement after writing data to the target.

(CCON-11696)

Target Partitioning

You can configure partitioning for a Netezza target in a mapping. You do not have to specify the number of partitions for the Netezza target separately. The Secure Agent considers the same number of partitions for the target as the number you defined for the source partitioning.

(CCON-11771)

Netezza Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-11753	When you use the Create Target option in a mapping and the target object name has lowercase or uppercase alphabets, the mapping fails.
CCON-11745	When you run a mapping and the source table has null values, the Secure Agent writes data as NULL characters in the target table.

Netezza Connector Known Limitations

The following table describes known limitations:

CR	Description
IF-12104	Error and success directory information of target advance properties do not display in the session log.
IF-11808	Even though you configure a left-right join for Netezza multi-source objects in a mapping, the Secure Agent performs an inner join.
CCON-12047	If the Secure Agent is installed on Linux and the Netezza source contains the nchar data type, the Secure Agent converts blank data of the nchar data type to NULL in the target.
CCON-11708	When a Netezza mapping fails because of an expired Netezza database certificate, an incorrect error message about unicode text appears in the log file.

NetSuite V2 Connector

NetSuite V2 Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-11725	You cannot configure a lookup condition for a column of the Date data type.

NetSuite V2 Connector Known Limitations

There are no known limitations in this release.

ServiceNow Connector

ServiceNow Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-12077	When you write to ServiceNow, the agent writes incorrect number of error rows in the log file and Monitor.
CCON-12076	When you run a task to upsert data and if the data contains special characters at the start and end of the String data type, the Secure Agent does not display an error message.

ServiceNow Connector Known Limitations

There are no known limitations in this release.

2018 - May

New Connectors

This section describes new connectors in the May 2018 release:

Netezza Connector

You can use Netezza Connector to connect to Netezza from Data Integration. Use Netezza Connector to read from or write to Netezza in bulk mode using Netezza ODBC drivers. You can use Netezza as a source or target in mapping tasks.

Amazon S3 V2 Connector

New features

This section describes new features in Amazon S3 V2 Connector for the May 2018 release:

Download Part Size

You can specify the part size when you download an Amazon S3 object in multiple parts.

Multiple Download Threshold

Downloads the Amazon S3 objects in multiple parts.

Amazon S3 V2 Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-10218	When you run a task to write data to an Amazon S3 target and select the Import from schema file option, the Secure Agent creates a duplicate header row in the target file.
CCON-11084	When you run an Amazon S3 V2 mapping to read client-side encrypted data and select the Read from data file option, the task fails.

BigMachines Connector

New Features

This section describes new features in BigMachines Connector for the May 2018 release:

Support for Proxy Server

You can configure the Secure Agent to connect to Cloud Data Integration through the proxy server.
(CCON-11407)

BigMachines Connector Fixed Limitations

There are no fixed limitations in this release.

BigMachines Connector Known Limitations

There are no known limitations in this release.

CallidusCloud File Processor Connector

Changed Behavior

This section describes the changes in CallidusCloud File Processor Connector for the May 2018 release:

Column Precision

The **Column Precision** value has been changed to 255.

Callidus Cloud File Processor Connector Fixed Limitations

There are no fixed limitations.

CallidusCloud File Processor Connector Known Limitations

There are no known limitations in this release.

Google BigQuery Connector

New Features

This section describes new features in Google BigQuery Connector for the May 2018 release:

Pre and Post SQL Commands

You can specify **pre SQL** and **post SQL** advanced properties for Google BigQuery sources and targets. When you create a task in Cloud Data Integration, you can specify SQL commands in the advanced properties for a source and target.

The Secure Agent runs pre SQL commands before it reads the source. It runs post SQL commands after it writes to the target.

You can perform the following operations by using pre SQL and post SQL commands:

- SELECT
- UPDATE
- DELETE

You can configure the options in Google BigQuery with a pre SQL or post SQL statement in the **pre SQL Configuration** or **post SQL Configuration** advanced properties for Google BigQuery sources and targets.

(CCON-10314)

Data Preview for Large Datasets

When you configure a Google BigQuery connection to use simple mode, you can preview data for large datasets.

(CCON-11103)

Google BigQuery Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-11500	When you write data of Integer data type to a Google BigQuery target table and the value contains more than 10 digits, the DTM drops the rows before writing to the Google BigQuery target table.

Marketo V3 Connector

New Features

This section describes new features in Marketo V3 Connector for the May 2018 release:

Bulk Extract

When you configure a task to read records from Marketo, you can use the **Bulk Extract Lead/Lead Activity** property in the advanced source properties to extract lead and lead activities in bulk from a specified start and end date.

(CCON-8933)

Marketo V3 Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-10824	When you run a task to write data to Marketo objects other than the lead object, the task fails when there are more than 300 records.
CCON-6959	When the request times out, tasks might fail with the following error: <code>Error in API invokerRequest timed out</code>

Microsoft Azure Data Lake Store V2 Connector

New Features

This section describes new features in Microsoft Azure Data Lake Store V2 Connector for the May 2018 release:

Compressed files

You can read and write .csv files compressed in the gzip format.

(CCON-11010)

Microsoft Azure Data Lake Store V2 Connector Fixed Limitations

There are no fixed limitations in this release.

Microsoft Azure SQL Data Warehouse V2 Connector

Microsoft Azure SQL Data Warehouse V2 Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-10377	Microsoft Azure SQL Data Warehouse V2 mappings fail when an existing Azure storage account is deleted and recreated with the same name.

Microsoft Azure SQL Data Warehouse V2 Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-8571	When you use pre-SQL, post-SQL or SQL Override query to read data from or write data to Microsoft Azure SQL Data Warehouse and the query length is more than 256 characters, the Secure Agent truncates the query.
CCON-8395	When you upsert or update data to Microsoft Azure SQL Data Warehouse and more than one column in the source table contains the same value as the target column on which the primary key is defined, the Secure Agent updates data incorrectly.
CCON-8264	When you use a lookup condition on a Microsoft Azure SQL Data Warehouse object and enable return all to get the values of all the multiple matched fields, the Secure Agent fails to return values.
CCON-8263	When you use a lookup condition on a Microsoft Azure SQL Data Warehouse object and enable report error on multiple matched fields, the Secure Agent returns the value for any random field.

CR	Description
CCON-7730	When you use a lookup condition on a Microsoft Azure SQL Data Warehouse object and schedule the task to run later, the task fails to respond.
CCON-7595	The Secure Agent does not write 01-01-0001 and 02-01-0001 dates to the Datetime2 column in a Microsoft Azure SQL Data Warehouse table.

Microsoft Dynamics 365 for Sales Connector

New Features

This section describes new features in Microsoft Dynamics 365 for Sales Connector for the May 2018 release:

Read Performance Improvement

You can map only the required fields in synchronization and mapping tasks to improve the read performance. Previously, you had to read all columns from the source entity irrespective of the columns that are connected to the target.

(CCON-11658)

Bulk Data Load

When you write data to Microsoft Dynamics 365 for Sales targets, you can use batching to improve the performance.

(CCON-10570)

Cloud Hosted Agent

You can use the Informatica Cloud Hosted Agent.

(CCON-11179)

Microsoft Dynamics 365 for Sales Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-11690	When you use Web API objects in a lookup transformation, the task fails with the following error: [INFO] Failed to fetch data

Microsoft Dynamics AX V3 Connector

Microsoft Dynamics AX V3 Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-11434	For some AX operations, the map all descendants option does not project output fields in source.

Microsoft AX V3 Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-3897	When you create a mapping and create a connection, you cannot select a Runtime Environment. Workaround: Create a connection before you create a mapping.
CCON-3144	When you configure a synchronization task, data preview does not display PartyList data type fields.
CCON-3049	If you filter source data by using the \$LastRunTime variable in a synchronization task or a mapping task, the task fails with the following error: ERROR arg1=Invalid XML. arg2=null arg3=null arg4=null arg5=null
CCON-2617	Error files are created in the default directory even if you specify a custom directory in the Error Log File Directory field in a Cloud Mapping Designer task. All error files are created in the following directory: <Secure Agent installation directory>\apps\Data_Integration_Server\data\error.

CR	Description
CCON-2610	If you download and view an error file, the error file does not display all the error rows.
CCON-2386	If you filter source data by using the \$LastRunTime variable in a mapping task, the task fails to filter the data.

Microsoft Dynamics CRM Connector

Microsoft Dynamics CRM Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-11539	When a synchronization or mapping task runs for a long time, the security token is not refreshed and the task fails with the following error: “[ERROR] Failed to insert the record of entityId [] into Microsoft Dynamics CRM because of the following error: [At least one security token in the message could not be validated.]”
CCON-9050	You cannot read the reject file because the file does not have headers and double quotes.
CCON-9034	When you run a synchronization or mapping task, the task might fail intermittently with the SecurityHandlerRuntimeException.

Netezza Connector

Netezza Connector Known Limitations

The following table describes known limitations:

CR	Description
IF-11808	Even though you configure a left-right join for Netezza multi-source objects in a mapping, the Secure Agent performs an inner join.
CCON-11753	When you use the Create Target option in a mapping and the target object name has lowercase or uppercase alphabets, the mapping fails.
CCON-11745	When you run a mapping and the source table has null values, the Secure Agent writes data as NULL characters in the target table.
CCON-11708	When a Netezza mapping fails because of an expired certificate, an incorrect error message about unicode text appears in the log file.
CCON-11626	Error and success directory information of target advance properties do not display in the session log.

NetSuite Connector

New Features

This section describes new features in NetSuite Connector for the May 2018 release:

WSDL 17.2 Support

You can use a NetSuite connection that uses WSDL 17.2 version.
(CCON-11400)

NetSuite Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-11618	There is an improvement in metadata fetch performance in NetSuite for WSDL 16.2 or WSDL 17.2

NetSuite V2 Connector

New Features

This section describes new features in NetSuite V2 Connector for the May 2018 release:

Lookup Support

You can use NetSuite objects as lookups in synchronization tasks.
(CCON-11402)

Data filter enhancement for SR objects

You can use enhanced data filters for Standard Search Record objects.
(CCON-11628)

NetSuite V2 Connector Fixed Limitations

There are no fixed limitations in this release.

Oracle CDC Connector

Oracle CDC Connector Fixed Limitations

There are no fixed limitations to report for the new Oracle CDC Connector.

Oracle CDC Connector Known Limitations

The following table describes the known limitations:

CR	Description
PWXCLD-186	<p>If you run multiple mapping tasks in parallel, each associated with a different mapping, and set the Recovery Strategy advanced session property to Resume from last checkpoint, one mapping task succeeds and the other mapping tasks fail with error messages CMN_1765 and TM_6226. The messages indicate failed attempts to open a cache file and initialize the session.</p> <p>Workaround: Schedule the mapping tasks to run sequentially, or do not set the recovery strategy to Resume from last checkpoint.</p>
PWXCLD-160	<p>In Data Integration, you might be able to define a mapping with multiple Oracle CDC Source transformations that use different connections to different Listener host locations. This configuration is not valid. If you then try to run the mapping task associated with the mapping, the following error message is issued:</p> <pre>PWXPC_10048 Connection parameters for different sources don't match.</pre> <p>Workaround: Ensure that all Source transformations in a mapping use the same Oracle CDC connection.</p>
PWXCLD-153	<p>If you set the Recovery Strategy advanced session property to Resume from last checkpoint as recommended, or if you set the Restart Point runtime property to End of log, the first time you start the mapping task, it starts from the earliest available point in the change stream instead of from the end of log.</p> <p>Workaround: Perform the first run of the mapping task without the Resume from last checkpoint setting. Then run the mapping task again with the Resume from last checkpoint setting. Retain this setting for subsequent runs.</p>
PWXCLD-114	<p>If you enter a value that is not valid in any property on the CDC Runtime page for a mapping task, that property value and all of the other property values that you changed revert to their initial values present when you opened the page.</p> <p>Workaround: If you enter an invalid value on the CDC Runtime page and Data Integration displays an error message, correct that value and then check all of the other properties on the page that you changed to ensure your changes were not overwritten.</p>
PWXCLD-113	<p>When you define the Listener Location and Map Location values in an Oracle CDC connection, you must specify the port number as well as the host name or IP address. If you omit the port number, the default port number of 2480 is not used.</p> <p>Workaround: Include a port number in the Listener Location and Map Location connection properties, even if you use the default port of 2480.</p>

CR	Description
PWXCLD-100	In a mapping with an Oracle CDC source, the source properties include the Filter query option. The interface allows you to define filter conditions for this option even though the option is not supported for Oracle CDC. Workaround: Do not configure the Filter option.
PWXCLD-91	If you create a mapping that includes an Oracle CDC Source transformation and a Lookup transformation and also set the Recovery Strategy advanced session property for the associated mapping task to Resume from last checkpoint , the mapping task fails with the following error: DIRECTOR> TM 6279 [2018-03-09 14:39:05.618] The session instance [s_abc_0100080Z000000000004T] encountered the following run-time validation error: [The recovery strategy is set to 'Resume' but the transformation Lookup of s_abc_0100080Z000000000004T is one of the following types: normal Stored Procedure, Custom Transformation or External Procedure with output Non-Deterministic, or lookup with no persistent cache and the lookup source is not static. Workaround: Remove the Recovery Strategy setting of Resume from last checkpoint .

REST V2 Connector

REST V2 Connector Fixed Limitations

There are no fixed limitations in this release.

Salesforce Analytics Connector

Salesforce Analytics Connector Fixed Limitations

There are no fixed limitations in this release.

Salesforce Analytics Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-4078	If you include a partitioning-enabled source and Salesforce Analytics as a target in a mapping, the mapping fails.
CCON-1362	When you run a task, the agent does not retain the isUniqueld attribute of the target field from the json file.

CR	Description
CCON-983	If you run a task to write data to Salesforce Analytics and the source contains Null rows, the task fails.
CCON-915	If a column name in a source contains a hyphen (-) or a double underscore (__) character, the task fails with an error.

SAP BW BEx Query Connector

SAP BW BEx Query Connector Fixed Limitations

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

The following table describes fixed limitations:

CR	Description
CCON-11455	SAP BW BEx Query Connector fails to fetch metadata if there are duplicate BEx queries.

SAP BW BEx Query Connector Known Limitations

There are no known limitations.

SAP BW BEx Query Connector Third-Party Limitations

The following table describes third-party known limitations:

CR	Description
CON-8371	You cannot use SAP BW BEx Query Connector to read data from duplicate BEx queries. SAP ticket reference number: 277263/2017
CON-8018	If the technical name of a variable in the BEx Query Designer exceeds eight characters, the SAP BW BEx query data extraction fails. SAP ticket reference number: 220980
CON-7807	When you read date and time data types for key figures from an SAP BW BEx query, you might encounter issues with the data. Workaround: Map the Date and Time data types of key figures to String. SAP ticket reference number: 211956

Snowflake Connector

New Features

This section describes new features in Snowflake Connector for the Spring 2018 May release:

Query

You can use custom SQL queries to read data from Snowflake. In the Snowflake source properties, you can select Query as the **Source Type** and specify an SQL query in the **Source** field.

Snowflake Connector Fixed Limitations

There are no fixed limitations in this release.

Teradata Connector

New Features

This section describes new features in Teradata Connector for the Spring 2018 May release:

Partitioning

When you use a Teradata connection to run a mapping to write data to Teradata, you can configure partitioning for the Teradata target. You do not have to specify the number of partitions for the target separately. The Secure Agent considers the same number of partitions for the target as the number defined for the source partitioning.

Teradata Connector Fixed Limitations

There are no fixed limitations in this release.

Workday V2 Connector

Workday V2 Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-9882	If you set the batch size to more than 1 in a mapping that reads data from Workday, the mapping fails.
CCON-7771	The Java heap utilization is high when reading from Workday modules.
CCON-4086	Memory leaks occur when you fetch data from Workday modules.

Workday V2 Connector Known Limitations

The following table describes known limitations:

CR	Description
IF-8371	<p>After the upgrade, if you edit a business service used in a Workday V2 Web Services transformation from the previous release, the respective mapping fails with the following error: <code>Internal error. An error occurred while loading the business service. Contact Informatica Global Customer Support.</code></p> <p>Workaround: To avoid this issue, do not edit the business service. If you edit the business service, recreate the Web Services transformation and map all the required fields.</p>
ICS-6275	When you use in-out parameters of type <code>DateTime</code> , the task fails as Workday does not support the format used for <code>DateTime</code> .
CCON-3258	If a task fails when you write data to a Workday target, the statistics generated for rejected and applied rows is incorrect.

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After You Migrate

This section includes migration tasks for specific connectors when you migrate from Informatica Cloud Spring 2017 to Informatica Intelligent Cloud Services Summer 2018 September.

Hadoop Connector Post-Migration Tasks

After you migrate, you must have a license to use Cloudera CDH, Amazon Elastic MapReduce (EMR), or Hortonworks HDP packages with Hadoop Connector.

You must have appropriate read and write permissions on the temporary directory. For Linux, `/tmp` is the default directory. Make sure that an identical temporary directory structure is available on the Secure Agent system and the HDFS cluster.

Within an organization, you cannot enable licenses for more than one Hadoop distribution. If you want to use multiple Hadoop distributions, you must create separate sub-organizations for each Hadoop distribution that you want to use and assign a license for the Hadoop distribution. Otherwise, the mapping task fails.

You can also switch from one Hadoop distribution license to another within a sub-organization.

To switch from one Hadoop distribution license to another, you must perform the following tasks:

1. In Administrator, select **Organization**.
2. Click **Sub-Organizations**.
3. Select the sub-organization for which you want to switch the Hadoop distribution.
4. Click **Licenses**.
5. On the Custom Licenses section, disable the license for the currently active Hadoop distribution.
6. Delete the existing Hadoop distribution package folder and the hadoop distribution `.checksum` file from the following location:
`<Secure Agent Installation Directory>/downloads`
7. On the **Licenses** page, select the license for the Hadoop distribution package that you want to use for the sub-organization.
8. Restart the Secure Agent.

Microsoft SQL Server Post-Migration Tasks

Before you can use the new feature Azure Active Directory Password authentication mode, you must contact Informatica Global Customer Support to enable this authentication mode.

MySQL Connector Post-Migration Tasks

After you migrate, you must download and install the MySQL JDBC and ODBC drivers on your Windows or Linux system to use MySQL Connector.

For more information about installing the MySQL JDBC and ODBC drivers, see the *MySQL Connector Guide*.

REST V2 Connector Post-Migration Tasks

After you migrate from Informatica Cloud Spring 2017 to Informatica Intelligent Cloud Services Summer 2018 September, and you create a new mapping, the request message editor shows the sample request in the JSON format for the JSON data.

Previously, the sample request for the JSON data was shown in the xml format. This changed behavior occurs because in Summer 2018 September, REST V2 Connector uses the JSON parser shipped with Data Integration.

If you update the business service, source, or target either by changing the connection or by changing the operation in the mappings created in the previous release, the Informatica JSON parser gets enabled. The new JSON parser has the following impact:

- The associated schema changes and all the required fields mapping is removed. Map all the required fields again for the REST V2 objects in source, midstream, and target transformations.
- The swagger specification file will need modifications in certain scenarios. For example, if Request or Response is a named object or Request and Response has array elements when the array element is not defined in the swagger specification file.

When the new JSON parser is enabled, the connector generates a new schema. If the schema, the xsd file saved in the temp directory, related to the operation does not have a write permission, the updated mapping might throw a null pointer exception during metadata fetch.

If you do not change the mappings created in the previous release, the mappings continue to use the old parsing technique and run successfully.

Salesforce Connector Post-Migration Tasks

After you migrate from Informatica Cloud Spring 2017 to Informatica Intelligent Cloud Services Summer 2018 September, the Salesforce outbound task configured with the No Timeout option does not process records if there is any change in the Data Integration Service version. After the Data Integration Service is set, the Salesforce outbound task starts processing the records.

If a Data Synchronization task contains a custom assignment rule, after you migrate, the value of custom assignment rule is not displayed in the Advanced Salesforce Options. You must edit the task and apply a valid custom assignment rule.

If you use an OAuth connection type to connect to Salesforce, after you migrate, the OAuth connection properties are not retained. You must manually configure the Service Endpoint and the OAuth Access Token connection properties.

Salesforce Marketing Cloud Connector Post-Migration Tasks

After you migrate, you must perform the following tasks for Salesforce Marketing Cloud Connector:

1. Retrieve the Client ID and the Client Secret for an existing package in the Salesforce Marketing Cloud account.
2. Assign Administrator role to the API user which is the minimum permission required to access the APIs.
3. Disable the Salesforce Marketing Cloud account password expiry date.
4. Enable read and write scopes for the installed packages in the Salesforce Marketing Cloud account which is the minimum permission required to access the installed packages.

Zendesk Connector Post-Migration Tasks

After you migrate, you must perform the following tasks for Zendesk Connector:

1. Generate the `schema.ini` file.
2. Place the `schema.ini` file in the following directory:


```
<Secure Agent installation directory>\apps\Data_Integration_Server\ext\deploy_to_main  
\bin\rdtm-extra\Zendesk\schema.ini
```

3. Create the following directory:

```
Secure Agent installation directory>\downloads\<latest connector package>\package\tpl
```

4. Create the `tpl.properties` file in the following directory:

```
Secure Agent installation directory>\downloads\<latest connector package>\package\tpl
```

5. Open the `tpl.properties` file and add the following value:

```
path=rdtm-extra/Zendesk
```

Post-Migration Tasks for Custom Configuration Files

If the connector includes customised configurations in Informatica Cloud Spring 2017, you must copy the configuration files to the Informatica Intelligent Cloud Services Spring 2018 version.

The following table lists the configuration files in connectors that you can back up from the Informatica Cloud Spring 2017 version:

Connector	Configuration File
Avature	customFields.ini
BigMachines	WSDL, Jar
Birst	birstconfiguration.ini
Box API	config.properties
Coupa	coupa.ini, read.xsd
Dropbox	config.ini
Google API	config.properties
Hadoop	setHadoopConnectorClassPath.sh
JDBC	jdbc.ini
Jira	jirafields.ini, config.ini
JSON Target	config.ini
Marketo	activityattributes.csv
Microsoft TFS	fields.ini
OpenAir	OpenAirCodes.properties
Quickbooks V2	connectionparameters.ini
Workday	fields.ini

Connector	Configuration File
Xactly	xactly-client.jar
XML Source	config.ini

Perform the following tasks for custom configuration files when you migrate from Informatica Cloud Spring 2017 release to the Informatica Intelligent Cloud Services Spring 2018 release:

1. Copy the configuration file from the following directory in Informatica Cloud Spring 2017: <Secure Agent installation directory>\downloads\<latest connector zip package>\package\plugins\<Plugin ID>
2. After the migration, paste the configuration file to the following directory in Informatica Intelligent Cloud Services: <Secure Agent installation directory>\downloads\<latest connector zip package>\package\plugins\<Plugin ID>
3. Restart the Secure Agent.

After You Upgrade

This section includes upgrade tasks for specific connectors when you upgrade from Informatica Intelligent Cloud Services Data Integration Winter 2017 to Informatica Intelligent Cloud Services Summer 2018 September.

Hadoop Connector Post-Upgrade Tasks

After you upgrade, you must have a license to use Cloudera CDH, Amazon Elastic MapReduce (EMR), or Hortonworks HDP packages with Hadoop Connector.

You must have appropriate read and write permissions on the temporary directory. For Linux, /tmp is the default directory. Make sure that an identical temporary directory structure is available on the Secure Agent system and the HDFS cluster.

Within an organization, you cannot enable licenses for more than one Hadoop distribution. If you want to use multiple Hadoop distributions, you must create separate sub-organizations for each Hadoop distribution that you want to use and assign a license for the Hadoop distribution. Otherwise, the mapping task fails.

You can also switch from one Hadoop distribution license to another within a sub-organization.

To switch from one Hadoop distribution license to another, you must perform the following tasks:

1. In Administrator, select **Organization**.
2. Click **Sub-Organizations**.
3. Select the sub-organization for which you want to switch the Hadoop distribution.
4. Click **Licenses**.
5. On the Custom Licenses section, disable the license for the currently active Hadoop distribution.

6. Delete the existing Hadoop distribution package folder and the hadoop distribution `.checksum` file from the following location:
`<Secure Agent Installation Directory>/downloads`
7. On the **Licenses** page, select the license for the Hadoop distribution package that you want to use for the sub-organization.
8. Restart the Secure Agent.

Microsoft SQL Server Connector Post-Upgrade Tasks

Before you can use the new feature Azure Active Directory Password authentication mode, you must contact Informatica Global Customer Support to enable this authentication mode.

Salesforce Connector Post-Upgrade Tasks

After you upgrade from Informatica Intelligent Cloud Services Winter 2017 to Informatica Intelligent Cloud Services Summer 2018 September, the Salesforce outbound task configured with the No Timeout option does not process records if there is any change in the Data Integration Service version. After the Data Integration Service is set, the Salesforce outbound task starts processing the records.

Salesforce Marketing Cloud Connector Post-Upgrade Tasks

After you upgrade, you must perform the following tasks for Salesforce Marketing Cloud Connector:

1. Retrieve the Client ID and the Client Secret for an existing package in the Salesforce Marketing Cloud account.
2. Assign Administrator role to the API user which is the minimum permission required to access the APIs.
3. Disable the Salesforce Marketing Cloud account password expiry date.
4. Enable read and write scopes for the installed packages in the Salesforce Marketing Cloud account which is the minimum permission required to access the installed packages.

New Connectors

This section describes new connectors in the Summer 2018 September release:

Coupa V2 Connector

You can use Coupa V2 Connector to connect to Coupa from Data Integration. Use Coupa V2 Connector to read data from and write data to Coupa. You can use a Coupa operation as a source or as a target in mapping tasks.

Google Analytics Connector

You can use Google Analytics Connector to connect to Google Analytics from Data Integration. Use Google Analytics Connector to read data from Google Analytics reports. You can use a Google Analytics object as a source in mapping tasks.

Hive Connector

You can use Hive Connector to connect to Hive from Data Integration. You can use a Hive object as a source and lookup in mappings and mapping tasks.

NetSuite V2 Connector

You can use NetSuite V2 Connector to securely read data from and write data to NetSuite. You can use NetSuite V2 objects as sources and targets in synchronization tasks, mappings, and mapping tasks.

Oracle CDC

You can use Oracle CDC Connector to connect to a PowerExchange Express CDC for Oracle environment from Data Integration. Oracle CDC Connector retrieves metadata for Oracle source tables and extracts the change records that PowerExchange captured from these source tables. Add the Oracle CDC sources in mappings, and then run the associated mapping tasks to transmit change records to a Microsoft SQL Server or Oracle target.

Amazon Redshift Connector

New Features

This section describes new features in Amazon Redshift Connector for the Summer 2018 September release:

New Region

You can now read data from or write data to the following regions:

- AWS GovCloud
- China (Beijing)

(CCON-10872)

Cross-Schema Pushdown Optimization

You can configure cross-schema pushdown optimization for a mapping task that uses a Amazon Redshift ODBC connection to read or write data to Amazon Redshift objects of different schemas in the same database. Select the **Enable cross-schema pushdown optimization** property in the advanced session properties of the mapping task.

(IF-10288)

AWS SDK Update

The AWS SDK for Java is updated to version 1.11.250.

(CCON-7818)

Amazon Redshift Connector Fixed Limitations

There are no fixed limitations in this release.

Amazon Redshift Connector Known Limitations

The following table describes the known limitations:

CR	Description
ICS-1948	If you use Amazon Redshift source objects and specify more than two levels of relationships in a synchronization task, the Refresh Fields option does not display the metadata for the source objects. You can save and run the task, but the task fails at run time. Workaround: Create a new synchronization task that contains objects with two or less than two levels of relationships, or use the mapping task.
CCON-9097	When you specify a large value in the Number of Files per Batch field, the task fails with an <code>OutOfMemoryError</code> error message. Workaround: You must specify a minimum value based on the cluster type and number of nodes in the Amazon Redshift cluster or leave the field empty.
CCON-6700	If you configure more than 32 partitions, the mapping task might fail with the following memory buffer error: <pre>MAPPING> JAVA_PLUGIN_1762 [2016-09-23 01:35:29.259] [ERROR] java.lang.OutOfMemoryError: Direct buffer memory MAPPING> CMN 1761 [2016-09-23 01:35:29.259] Timestamp Event: [Fri Sep 23 01:35:29 2016]</pre> Workaround: The recommended maximum number of partitions is 32.
CCON-6699	If the key range that you specify for partitioning contains a string value with a single quote, the mapping task fails.
CCON-3158	When the WHERE clause of a filter or query uses a single quote, the synchronization task or mapping task fails.

Amazon Redshift V2 Connector

New Features

This section describes new features in Amazon Redshift V2 Connector for the Summer 2018 September release:

Customer Master Key Support

For server-side encryption, you can configure the customer master key ID generated by AWS Key Management Service in the connection. You can provide the customer master key ID in the **Customer Master Key ID** field in the connection properties.

(CCON-10046)

Key Range Partition

When you read data from an Amazon Redshift source, you can configure key range partitioning to optimize the mapping performance at run time.

(CCON-10052)

Create Target Support

You can provide a schema name and create a target table within the schema using the **Create Target** option in the target properties.

(CCON-10053)

Reindex

In addition to the existing recovery options in the vacuum table, you can select the **Reindex** option to analyze the distribution of the values in an interleaved sort key column.

(CCON-10054)

Part Size

You can specify the part size of an object in the **Part Size** field in the advanced target properties. Default is 5 MB.

(CCON-10055)

TransferManager Thread Pool Size

You can configure the multipart upload option to upload a single object as a set of independent parts in the **TransferManager Thread Pool Size** field. TransferManager API uploads the multiple parts of a single object to Amazon S3. After uploading, Amazon S3 assembles the parts and creates the whole object. TransferManager API uses the multipart uploads option to achieve performance and increase throughput when the content size of the data is large and the bandwidth is high.

(CCON-10055)

Amazon Redshift V2 Connector Fixed Limitations

There are no fixed limitations in this release.

Amazon S3 Connector

New Feature

This section describes new features in Amazon S3 Connector for the Summer 2018 September release:

New Region

You can now read data from or write data to the `AWS GovCloud` region.

AWS SDK Update

The AWS SDK for Java is updated to version 1.11.250.

Amazon S3 Connector Fixed Limitations

There are no fixed limitations in this release.

Amazon S3 Connector Known Limitations

The following table describes known limitations:

CR	Description
ICS-8277	If you use the <code>\$LastRunTime</code> and <code>\$LastRunDate</code> system parameters in the file name when you create a target, the synchronization task or mapping task generates an exception.
ICS-8244	When you edit an existing synchronization task, the target object name does not appear if you defined the target object name in a parameter file.
ICS-4798	If you select incorrect Formatting Options and then run a mapping to read or write an Amazon S3 file, an exception appears. Workaround: You must select valid Formatting Options and proceed with the task.
ICS-4660	The Formatting Options dialog box does not show the backslash (\) as the default escape character.
CCON-11226	When you read data from Amazon S3 and specify the line that you want to use as the header in the Header Line Number property, the Secure Agent does not read the data from the specified line number.
IF-12648	Even after you select valid Formatting Options in a synchronization task, the following error message continues to appear: <pre>java.lang.RuntimeException: java.io.IOException: (line 2) invalid char between encapsulated token and delimiter</pre> Workaround: Ignore the error message.
CCON-8496	When you create a mapping that reads data from multiple Amazon S3 sources, partitioning is ignored.
CCON-6862	When you read an Amazon S3 file that is not in a valid format, a null pointer exception occurs and an appropriate error message does not appear.

Amazon S3 V2 Connector

New Features

This section describes new features in Amazon S3 V2 Connector for the Summer 2018 September release:

- You can create and run a mass ingestion task to transfer files from an Amazon S3 source to an Amazon S3 target.
- You can read multiple files, which are of flat format type, from Amazon S3 and write data to a target. In addition, you can configure the following properties when you use a file, which is of flat format type:
 - You can add one or more tags to the objects stored in the Amazon S3 bucket. You can add a tag to categorize the objects in the **Object Tags** field in the advanced target properties.
 - You can specify the part size of an object in the **Part Size** field in the advanced target properties.

- You can configure the multipart upload option to upload a single object as a set of independent parts in the **TransferManager Thread Pool Size** field. TransferManager API uploads the multiple parts of a single object to Amazon S3. After uploading, Amazon S3 assembles the parts and creates the whole object. TransferManager API uses the multipart uploads option to achieve performance and increase throughput when the content size of the data is large and the bandwidth is high.
- For client-side and server-side encryption, you can provide the customer master key ID generated by AWS Key Management Service (AWS KMS) in the connection properties.
- For server-side encryption, you can configure the Amazon S3-managed encryption key or AWS KMS-managed customer master key to encrypt the data while uploading the files to the buckets. Select the encryption type as **Server Side Encryption (SSE-KMS)** in the advanced source properties to use AWS KMS-managed customer master key.

Amazon S3 V2 Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-10115	When you run a mapping to write data to an Amazon S3 target and select Gzip as the compression format, the task runs successfully. However, the Amazon S3 target file does not contain the .gz extension.
CCON-10016	When you run a task to read or write an Avro or Parquet file, error messages appear in the session log. However, the task runs successfully.

BigMachines Connector

BigMachines Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-10573	When you use simple data filters to read data from QuoteV2 or QuoteV2LineItem object and the number of records retrieved is more than the PagingSize specified under connection properties, the synchronization task fails with the following error: [ERROR] java.lang.IllegalArgumentException

BigMachines Connector Known Limitations

There are no known limitations in this release.

Box Connector

Box Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-9492	If the field name in a source object contains a double underscore (__) character, the Secure Agent fails to write the data in these fields to the target.

Box Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-1979	If the Box application contains csv files named upload.csv, download.csv, or delete.csv, the Upload, Download, and Delete APIs fail with a DTM error when you run a task to read these files from Box. Workaround: Rename the upload.csv, download.csv, or delete.csv files in the Box application.

Coupa V2 Connector

Coupa V2 Connector Fixed Limitations

There are no fixed limitations in this release.

Coupa V2 Connector Known Limitations

The following table describes the known limitations:

CR	Description
CCON-11290	When you perform POST operation on a Coupa target resource, the mapping task runs for a long period of time if one of the following conditions are true: <ul style="list-style-type: none">- Insert a row that is already present in the Coupa target resource.- Specify an invalid value in a source field and insert the invalid value to a Coupa target resource.
CCON-11174	If you perform PATCH operation on a Coupa resource, the mapping task fails.
CCON-10790	If you use GET_User_index_MultiTarget, GET_Invoices_show, or GET_Suppliers_show operation to read data from Coupa, the mapping task fails with the following error: 500 Internal Server Error Workaround: Specify JVMOption2 as -Xmx1024m and INFA_MEMORY as '-Xms256m -Xmx1024m -XX:MaxPermSize=128m' in the System Configuration Details section of the Secure Agent, and then restart the Secure Agent.

Cvent Connector

New Features

This section describes new features in Cvent Connector for the Summer 2018 September release:

Retrieve Delta Records

You can use data filters to fetch data records that have changed over a specific time period for a Cvent object. The synchronization task fetches the data that has changed for the period that you specify in the **StartDate** and **EndDate** filter fields.

(CCON-9301)

Parameter Support

You can use **StartDate** and **EndDate** filter fields in basic and advanced data filters.

(CCON-9521)

For more information, see the *Informatica Cloud Cvent Connector User Guide*.

Cvent Connector Fixed Limitations

There are no fixed limitations in this release.

Cvent Connector Known Limitations

There are no known limitations in this release.

Google Analytics Connector

Google Analytics Connector Fixed Limitations

There are no fixed limitations in this release.

Google Analytics Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-10492	When you read from a Google Analytics report and select a field that contains <code>xx</code> in the field name, the Secure Agent fails to fetch the metadata from the field and the mapping task fails with the following error: <pre>[ERROR] java.lang.NullPointerException</pre>
CCON-10455	When you read more than 100000 rows from a Google Analytics report, the mapping task fails.

Google Cloud Spanner Connector

New Features

This section describes new features in Google Cloud Spanner Connector for the Summer 2018 September release:

Reader Support

You can use Google Cloud Spanner Connector to read data from a Google Cloud Spanner source.

You can configure the following advanced properties for a Google Cloud Spanner source in a mapping task:

- Batch Size
- IndexDirective
- Source DataBase
- Source Table

Google Cloud Spanner Connector Fixed Limitations

There are no fixed limitations in this release.

Google Cloud Spanner Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-11237	If you include a partition enabled source and Google Cloud Spanner as a target in a mapping, the mapping fails with the following error message: <code>Partitioning is not supported by the selected connection type</code>
CCON-11067	When you use a parameterized source or target object in a mapping, the mapping task runs successfully. However, the following error message is displayed: <code>Cloud Spanner client has been closed.</code> Workaround: Ignore the error message.
CCON-10718	A table name or column name that contains more than 125 characters does not appear in the Field Mapping tab of the Source or Target transformation.
CCON-10712	When you read a large number of records from a Google Cloud Spanner table, the mapping task runs indeterminately for a long period of time and the session log displays the following error: <code>"ERROR java.lang.OutOfMemoryError: GC overhead limit exceeded."</code> Workaround: Specify JVMOption3 as <code>-Xms1024m</code> and JVMOption4 as <code>-Xmx4096m</code> for the type DTM in the System Configuration Details section of the Secure Agent, and then restart the Secure Agent. If you run the mapping task and the same issue occurs, you must reduce the batch size to a lower value and increase the memory for the Java heap size.

Hive Connector

Hive Connector Known Limitations

There are no known limitations in this release.

JD Edwards EnterpriseOne Connector

JD Edwards EnterpriseOne Connector Fixed Limitations

There are no fixed limitations in this release.

JD Edwards EnterpriseOne Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-4189	Even though you have the option to configure a lookup for an JD Edwards EnterpriseOne object in the Mapping Designer while creating a mapping task, lookup is not supported for JD Edwards EnterpriseOne Connector.
CCON-4187	Even though you have the option to configure a lookup for an JD Edwards EnterpriseOne object in a synchronization task, lookup is not supported for JD Edwards EnterpriseOne Connector.
CCON-3699	Even though the task is successful, the activity log displays a warning status. Workaround: Ignore the warning.
CCON-3192	When you configure a Join condition and include the Join operators other than equal for JD Edwards EnterpriseOne sources in tasks, an error appears which states that the expression string is not valid.
CCON-2176	You cannot edit the data types in a task.

JDBC Connector

New Features

This section describes new features in JDBC Connector for the Summer 2018 September release:

SQL Commands

You can define pre-SQL and post-SQL commands to run before reading data from the source and after reading data from the source. You can define pre-SQL and post-SQL commands before writing to the target and after writing data to the target.

(CCON-11135)

JDBC Connector Fixed Limitations

There are no fixed limitations in this release.

JDBC Connector Known Limitations

There are no known limitations.

LDAP Connector

LDAP Connector Fixed Limitations

There are no fixed limitations in this release.

LDAP Connector Known Limitations

The following table describes known limitations:

CR	Description
ICS-3081	When you use an LDAP object as a target, the target statistics generated for affected rows and applied rows is incorrect.
CCON-7502	If you configure a synchronization task with multiple lookup conditions, the task fails.
CCON-4523	When you run a task to delete user data from the LDAP server and if the distinguished name has special characters, the row statistics displayed is incorrect even though the delete operation succeeds.
CCON-2384	When you set parameters for an LDAP source in an advanced filter, the Secure Agent uses the parameter name as a string and passes it as a value in the condition instead of resolving the parameter.
CCON-2382	You cannot apply an advanced filter for an LDAP source if the LDAP connection is fully parameterized.
CCON-2313	The Base DN does not appear as a mandatory field in the LDAP connection. If you do not specify the base DN, the Secure Agent fails to fetch the metadata.
CCON-2310	You cannot preview data for both an LDAP source and target. The Show Data Preview icon that appears on the Target tab of a synchronization task is not applicable.
CCON-2257	For large binary data that is equal to or more than 10 MB, the Secure Agent fails to apply the update strategies on the LDAP target.

MySQL Connector

MySQL Connector Fixed Limitations

There are no fixed limitations in this release.

MySQL Connector Known Limitations

The following table describes known limitations:

CR	Description
ICS-9017	When you read data from or write data to MySQL and the source or target contains an unsigned integer or an unsigned bigint datatype, the task fails.
ICS-8307	When you run a mapping task to create a target, the target is successfully created at run time. If you drop the created target table and run the task again, the task fails.

CR	Description
CCON-3733	When you run a synchronization task to write data to a MySQL target, the Secure Agent writes one record to the target even if the primary key column of the target is not connected to any source port.
CCON-3732	If a MySQL target contains columns of the Bit data type, the Secure Agent writes data incorrectly. <ul style="list-style-type: none"> - If the Secure Agent is installed on Windows, it always writes the values as 0 even if the source data has values as 1. - If the Secure Agent is installed on Linux, it always writes the values as 1 even if the source data has values 0.

Marketo V3 Connector

Marketo V3 Connector Fixed Limitations

There are no fixed limitations in this release.

Marketo V3 Connector Known Limitations

The following table describes the known limitations:

CR	Description
CCON-8256	When you configure a task to write data to a lead object in Marketo and the data contains special characters other than line feed and carriage return, the task fails.
CCON-6854	When you configure a task to read data from a folder in Marketo, the task runs successfully even though you cannot specify the root parameter required for browsing folders in Marketo.
CCON-4811	The Hosted Agent does not support Lead - Filter Field and Lead - Filter Values CSV File advanced source properties.

Microsoft Azure Blob Storage V2 Connector

Microsoft Azure Blob Storage V2 Connector Fixed Limitations

There are no fixed limitations in this release.

Microsoft Azure Data Lake Store V2 Connector

New Features

This section describes new features in Microsoft Azure Data Lake Store V2 Connector for the Summer 2018 September release:

Header Rows

You can generate or skip header rows while writing data to a Microsoft Azure Data Lake Store object.

(CCON-10470)

Microsoft Azure Data Lake Store V2 Connector Fixed Limitations

There are no fixed limitations in this release.

Microsoft Azure SQL Data Warehouse V2 Connector

New Features

This section describes new features in Microsoft Azure SQL Data Warehouse V2 Connector for the Summer 2018 September release:

IDENTITY Column

You can use the IDENTITY column in synchronization and mapping tasks.

Pushdown Optimization

You can enable full pushdown optimization for Microsoft Azure SQL Data Warehouse sources and targets. Specify the Azure DW subtype in the ODBC connection properties to enable pushdown optimization when you read data from or write data to Microsoft Azure SQL Data Warehouse database. You can use cross-schema pushdown optimization in a mapping to read or write data based on the different schemas within the same database.

(CCON-11034)

Stop on Error

You can configure a task that includes pre-SQL or post-SQL commands to continue or to stop the read or write operation when the Data Integration service encounters errors. For example, the errors encountered while transforming data.

Microsoft Azure SQL Data Warehouse V2 Connector Fixed Limitations

There are no fixed limitations in this release.

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

Microsoft SharePoint Connector

New Feature

This section describes new features in Microsoft SharePoint Connector for the Summer 2018 September release:

Secondary Key for Upsert

For an upsert operation, you can specify a secondary key field to map the source key field that you intend to use. You can specify the name of the secondary key field in the **Secondary Key for Upsert** property in the advanced target properties.

(CCON-10600)

Microsoft SharePoint Connector Fixed Limitations

There are no fixed limitations in this release.

Microsoft SharePoint Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-7860	If you exceed the maximum path length of 2048 characters for POST and GET requests in the field mapping, the following error message appears: <code>Read operation failed</code>
CCON-11463	Microsoft SharePoint Connector supports only the default port.

Microsoft Sharepoint Online Connector

Microsoft Sharepoint Online Fixed Limitations

There are no fixed limitations in this release.

Microsoft SQL Server Connector

New Features

This section describes new features in Microsoft SQL Server Connector for the Summer 2018 September release:

Microsoft SQL Server Database Version 2017

Microsoft SQL Server database version 2017 is certified for use. You can use a Microsoft SQL Server connection to connect to Microsoft SQL Server database 2017.

(CCON-8988)

Active Directory Authentication Mode

You can configure Azure Active Directory authentication mode to authenticate and access Microsoft SQL Server from Data Integration.

(CCON-7256)

Cross-Schema Pushdown Optimization

You can configure cross-schema pushdown optimization for a mapping task that uses a Microsoft SQL Server connection to read or write data to Microsoft SQL Server objects associated with different schemas within the same database. Select the **Enable cross-schema pushdown optimization** property in the advanced session properties of the mapping task.

(IF-10288)

SQL Commands

You can define pre-SQL and post-SQL commands to run before writing to the target and after writing to the target.

(IF-10287)

Microsoft SQL Server Connector Fixed Limitations

There are no fixed limitations in this release.

Microsoft SQL Server Connector Known Limitations

The following table describes the known limitations:

CR	Description
ICS-8307	When you run a mapping task to create a target, the target is successfully created at run time. If you drop the created target table and run the task again, the task fails.
ICS-5165	Tasks that use a \$LastRunDate to filter SQL Server 2012 source data fail.
CON-4113	When you use Microsoft SQL Server connection to replicate data from Microsoft SQL Server sources to Microsoft SQL server targets in bulk mode, the numeric type column is corrupted. The issue occurs if the source numeric column has a precision higher than 28.

Microsoft SQL Server Third-Party Known Limitations

The following table describes third-party known limitations:

CR	Description
CCON-11326	You might not be able to connect to the Microsoft SQL Server 2017 database hosted on the Linux machine using Windows authentication. Microsoft SQL Server reference number: 118040517942873

NetSuite Connector

NetSuite Connector Fixed Limitations

The following table describes the fixed limitations:

CR	Description
CCON-11200	When you perform the getDeleted operation on a NetSuite source object, the operation fails to fetch the deleted data for a few custom records.
CCON-10857	When you write the birthDate fields to NetSuite with a date value prior to the year 1970, the task fails with the following error: An error occurred converting data in the port [PDateOfBirth].

NetSuite Connector Known Limitations

There are no known limitations in this release.

NetSuite V2 Connector

NetSuite V2 Known Limitations

There are no known limitations in this release.

ODBC Connector

New Features

This section describes new features in ODBC Connector for the Summer 2018 September release:

Unicode data

You can use the ODBC connection to read or write Unicode data.

Truncate target

When you use an ODBC connection to write to DB2 and you enable Truncate Target Table option for the target object, the Secure Agent runs the truncate command instead of the delete command, which enhances the performance of the write operation. If the truncate command fails, the Secure Agent runs the delete command.

ODBC Connector Fixed Limitations

There are no fixed limitations in this release.

ODBC Connector Known Limitations

The following table describes known limitations:

CR	Description
ICS-7988	When you create a mapping to read data from an ODBC source and specify the key range partition on the Date column, the task fails.
CON-7626	Even if you select a value other than unixODBC2.3.0 for the driver manager, the driver manager value appears as unixODBC2.3.0 when you view the connection details in a mapping or mapping task.

Oracle Connector

New Features

This section describes new features in Oracle Connector for the Summer 2018 September release:

Oracle 12C Release 2

You can use an Oracle connection to connect to Oracle 12C Release 2.

Cross-Schema Pushdown Optimization

You can configure cross-schema pushdown optimization for a mapping task that uses an Oracle connection to read or write data to Oracle objects associated with different schemas within the same database. Select the **Enable cross-schema pushdown optimization** property in the advanced session properties of the mapping task.

SQL Commands

You can define pre-SQL and post-SQL commands to run before writing to the target and after writing to the target.

Oracle Connector Fixed Limitations

There are no fixed limitations in this release.

Oracle Connector Known Limitations

The following table describes known limitations:

CR	Description
ICS-8307	When you run a mapping task to create a target, the target is successfully created, but if you drop the created target table and run the task again, the task fails.
CCON-4211	When an Oracle source contains a column of BFILE data type, the synchronization task fails with an error. When an Oracle source contains a column of BLOB data type, the synchronization task runs but rejects the data with the BLOB data type.
CCON-3701	When you use a saved query to read data from an Oracle database, the precision and scale values do not synchronize between the saved query and database.

Oracle Third-Party Fixed Limitations

The following table describes third-party fixed limitations:

CR	Description
CCON-9718	After you upgrade the Oracle drivers from the earlier version to the latest version, the Oracle test connection might fail with the following error message: <code>[informatica][Oracle JDBC Driver]No more data available to read.</code> DataDirect reference number: 00375062
CCON-7477	When you run a task to write data in bulk mode to an Oracle target that contains unicode metadata, the task fails with the following error message: <code>ORA-03120: two-task conversion routine: integeroverflow Error in parameter 1.FnName: Execute - DataDirectODBC lib Function sequence error*</code> DataDirect reference number: 00375241
CCON-7323	When you run a task to write data of Timestamp data type to an Oracle target in bulk mode, the Secure Agent adds extra four bytes space to the column that contains Timestamp data type. DataDirect reference number: 00390635

Oracle Third-Party Known Limitations

The following table describes third-party known limitations:

CR	Description
CCON-7447	<p>When you run a task to write data to an Oracle target in bulk mode, the task fails with the following error message:</p> <pre>ORA-26026: unique index CLOUD.SYS_C0021165719 initially in unusable state FnName: Execute- DataDirect ODBC [lib Function sequence error]</pre> <p>DataDirect reference number: 00390625</p>

Oracle CDC Connector

Oracle CDC Connector Fixed Limitations

There are no fixed limitations to report for the new Oracle CDC Connector.

Oracle CDC Connector Known Limitations

The following table describes the known limitations:

CR	Description
PWXCLD-160	<p>In Data Integration, you might be able to define a mapping with multiple Oracle CDC Source transformations that use different connections to different Listener host locations. This configuration is not valid. If you then try to run the mapping task associated with the mapping, the following error message is issued:</p> <pre>PWXPC_10048 Connection parameters for different sources don't match.</pre> <p>Workaround: Ensure that all Source transformations in a mapping use the same Oracle CDC connection.</p>
PWXCLD-153	<p>If you set the Recovery Strategy advanced session property to Resume from last checkpoint as recommended, or if you set the Restart Point runtime property to End of log, the first time you start the mapping task, it starts from the earliest available point in the change stream instead of from the end of log.</p> <p>Workaround: Perform the first run of the mapping task without the Resume from last checkpoint setting. Then run the mapping task again with the Resume from last checkpoint setting. Retain this setting for subsequent runs.</p>
PWXCLD-114	<p>If you enter a value that is not valid in any property on the CDC Runtime page for a mapping task, that property value and all of the other property values that you changed revert to their initial values present when you opened the page.</p> <p>Workaround: If you enter an invalid value on the CDC Runtime page and Data Integration displays an error message, correct that value and then check all of the other properties on the page that you changed to ensure your changes were not overwritten.</p>
PWXCLD-113	<p>When you define the Listener Location and Map Location values in an Oracle CDC connection, you must specify the port number as well as the host name or IP address. If you omit the port number, the default port number of 2480 is not used.</p> <p>Workaround: Include a port number in the Listener Location and Map Location connection properties, even if you use the default port of 2480.</p>

CR	Description
PWXCLD-100	In a mapping with an Oracle CDC source, the source properties include the Filter query option. The interface allows you to define filter conditions for this option even though the option is not supported for Oracle CDC. Workaround: Do not configure the Filter option.
PWXCLD-91	If you create a mapping that includes an Oracle CDC Source transformation and a Lookup transformation and also set the Recovery Strategy advanced session property for the associated mapping task to Resume from last checkpoint , the mapping task fails with the following error: DIRECTOR> TM 6279 [2018-03-09 14:39:05.618] The session instance [s_abc_0100080Z000000000004T] encountered the following run-time validation error: [The recovery strategy is set to 'Resume' but the transformation Lookup of s_abc_0100080Z000000000004T is one of the following types: normal Stored Procedure, Custom Transformation or External Procedure with output Non-Deterministic, or lookup with no persistent cache and the lookup source is not static. Workaround: Remove the Recovery Strategy setting of Resume from last checkpoint .

Qlik Connector

Qlik Connector Fixed Limitations

There are no fixed limitations in this release.

Qlik Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-4566	When you run a task to write binary data to a .qvz file, the task fails with the following error message: CMN_1081 ERROR: Invalid Data Type Conversion Workaround: On the Field Mapping tab, do not map the fields that contain binary data and run the task.

REST V2 Connector

New Features

This section describes new features in REST V2 Connector for the Summer 2018 September release:

Support for Namespace

You can use the namespace attribute in the request message for the midstream and target transformations.

(CCON-10275)

REST V2 Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
ICS-9593	You can delete or edit a business service when it is used in midstream transformations in the existing mappings. As a result, the existing mappings stop working.
CCON-10496	When the swagger specification file contains the namespace attribute for request, the Secure Agent uses INFA namespace prefix, <code>tns0</code> , in place of the namespace defined in the swagger specification file.
CCON-10210	Request message validation is not supported when the request message has XML attributes.
CCON-10157	Request message validation is not supported when the Wrapper element is set to true in the swagger specification file.
CCON-9933	REST V2 Connector parses NULL as a value if the response data has single element.

Salesforce Connector

Salesforce Fixed Limitations

There are no fixed limitations in this release.

Salesforce Connector Known Limitations

The following table describes known limitations:

CR	Description
IF-8553	The Download Error File option is not available in the job properties of the mapping task after you run a taskflow.
IF-7352	For Salesforce API version 33, when you run a mapping that performs Upsert operation, the success file shows the status as Updated for the new rows.
IF-7267	In a mapping task, if you use Salesforce Bulk API and parameterize all the properties, you cannot use custom queries.
IF-3951	For synchronization tasks running in real time after receiving a Salesforce outbound message, Secure Agent or network connection problems can result in data loss or unexpected job behavior.
ICS-8873	When you create a mapping task with a Salesforce lookup object, the Advanced options, though they appear on the NewLookUp Properties page, are not supported.
ICS-3347	The ability to specify the location of error files for Salesforce connections has been removed. In existing mapping tasks that use Salesforce connections, error files are created in the default location even when a custom location was specified.
ICS-3004	When you create a synchronization task that uses multiple sources with a Salesforce V33 connection, you might receive an error when you add a related object before the data preview loads. Workaround: Wait until the data preview loads before you add a related object.

CR	Description
CCON-7658	PowerCenter tasks that write to Salesforce targets using the Salesforce Bulk API fail when run by a Secure Agent that uses FreeProxy or ISA Proxy. Workaround: Use a different Secure Agent to run the task, or configure the Secure Agent to use a different proxy server.
CCON-7231	If you enable Salesforce Bulk API in a synchronization task, you cannot use custom queries.
CCON-6983	If you create Salesforce OAuth connection and use a mapplet transformation in a task, the task fails. Workaround: Create a standard Salesforce connection.
CCON-4400	When you create a synchronization task for the Attachment object, change the precision of any field, and run the task, the precision changes are not honored.
CCON-4195	For replication and synchronization tasks that use Salesforce API version 32 or above and the DTM property, LOGLEVEL, is set to DEBUG for Data Integration Service in Custom Configuration Details under Configure > Runtime Environments , the Standard and Verbose execution modes provide same logging information.
CCON-1753	When you enable the Set to Null property for checkbox fields, the NULL values for checkboxes are treated as false if the API version of the Salesforce connection that you use is version 32 or above.
CCON-589	When you create a mapping with a Salesforce lookup object and select Report error option for Multiple Matches field, the Lookup transformation returns incorrect data.
CCON-562	For a Salesforce connection, if you create a saved query using the "WITH" key word, an error message appears that says the query is not valid. Workaround: Create a saved query without the "WITH" key word.

Salesforce Analytics Connector

Salesforce Analytics Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-10226	When you run multiple jobs in parallel, the tasks use a common temp directory defined in the connection properties. Though the tasks run successfully, an error message is logged in the log file.

Salesforce Marketing Cloud Connector

Salesforce Marketing Cloud Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-10605	When you read data from multiple Salesforce Marketing Cloud source objects and the objects contain fields of Date data type, the synchronization task fails with the following error: <code>[ERROR] java.lang.NumberFormatException: For input string:</code>
CCON-10603	When you run a synchronization task to perform an upsert operation on a Salesforce Marketing Cloud target object, the task runs successfully, but does not upsert data to the Salesforce Marketing Cloud target.

Salesforce Marketing Cloud Connector Known Limitations

There are no known limitations in this release.

SAP Table Reader Connector

New Features

This section describes new features in SAP Table Reader Connector for the Summer 2018 September release:

You can configure key range partitioning when you read data from SAP table sources.

You can configure a partition key for fields of the following data types:

- ACCP
- DATS
- INT1
- INT2
- INT4
- NUMC
- TIMS

SAP Table Reader Fixed Limitations

There are no fixed limitations in this release.

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

SAP Table Reader Known Limitations

The following table describes known limitations:

CR	Description
CCON-10688	On SAP ECC 5.0 systems, the transport import fails for the <code>TABLE_READER_R900757.G00</code> and <code>TABLE_READER_K900757.G00</code> transport files.
CCON-8617	SAP Table Reader does not read data for fields that do not have precision defined.
CCON-2833	Data corruption occurs when you perform a lookup on an SAP table and the data contains the pipe () character.

Snowflake Connector

New Features

This section describes new features in Snowflake Connector for the Summer 2018 September release:

Views

You can use Snowflake Connector to import views from Snowflake. Previously, you could only import Snowflake tables.

(CCON-10391)

Cross-schema pushdown optimization

You can configure cross-schema pushdown optimization for a mapping task that uses a Snowflake ODBC connection to read or write data to Snowflake objects associated with different schemas within the same database. Select the **Enable cross-schema pushdown optimization** property in the advanced session properties of the mapping task.

(IF-10288)

Snowflake Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-11029	When you import a table, you cannot use (*) wildcards to search the metadata.
CCON-10890	When you preview data that contains the Timestamp data type from a Snowflake source, the data preview displays only 3 fractional seconds portion of the Timestamp data type.

Snowflake Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-11123	When you import a Snowflake object, you cannot differentiate between tables or views from the Snowflake metadata.
CCON-8725	If a source field contains more than 256 characters in a pushdown optimization task, the task fails.
CCON-8548	If the lookup condition fetches multiple matches and if the multiplicity option is set to Report error, the task does not fail.
CCON-8363	If you select a single target and write to multiple tables, the task fails.
CCON-8310	You cannot read from or write to a table that has special or i18n characters in column names or the table name.

Snowflake Connector Third-Party Limitations

The following table describes third-party known limitations:

CR	Description
CCON-9950	When you configure partitioning for a mapping that reads data from a flat file to a Snowflake table, and if the source data contains the Date data type, the mapping fails with an <code>ArrayIndexOutOfBoundsException</code> error.
CCON-8581	When you perform update, delete, or update else insert operation, the agent writes incorrect row statistics and rejected rows in the log file. Also, the agent does not log an error message in the log file if the task fails.
CCON-8531	You cannot use the Snowflake connection to write data of Time data type to a Snowflake target. Snowflake ticket reference number: CL-6735304

SugarCRM REST Connector

SugarCRM REST Connector Fixed Limitation

There are no fixed limitations in this release.

SugarCRM REST Connector Known Limitations

The following table describes known limitations:

CR	Description
CCON-6758	When you update records in SugarCRM, the task fails with the following error even though you map the ID: TE_7002 Transformation stopped due to a fatal error in the mapping. The expression id contains the following errors [<<PM Parse Error>> id: invalid symbol reference ... >>>>id<<<<]
CCON-4835	If you select Multiple as the Source Type and select child or sibling objects for a primary object, the task fails with one of the following error messages: <ul style="list-style-type: none">- No child object found- No sibling object found
CCON-4812	When you filter a SugarCRM source with unicode data as the filter value, the task fails to return any records.

Teradata Connector

New Features

This section describes new features in Teradata Connector for the Summer 2018 September release:

SQL Override

When you use a Teradata connection to run a mapping to read data from Teradata, you can configure an SQL override query. You can provide the SQL override statement in the source properties of a Teradata task to override the default query when you read data from a Teradata source object. You can enter any SQL statement supported by the Teradata database to read data.

Teradata Connector Fixed Limitations

There are no fixed limitations in this release.

Teradata Connector Known Limitations

There are no known limitations in this release.

Zendesk Connector

New Features

This section describes new features in Zendesk Connector for the Spring 2018 release:

Read from Custom Fields

You can use Zendesk Connector to create custom fields in Tickets object. You can read data from and insert data to the custom attributes that are present in the Tickets object. To read and insert the values of custom fields in Tickets object, you must configure the `schema.ini` file.

(CCON-10742)

Zendesk Connector Fixed Limitations

There are no fixed limitations in this release.

2018 - March

SAP BW Connector

SAP BW Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-10699	When you read data from SAP BW, you cannot configure a filter condition for a date field to read data between a range of dates.

SAP BW Connector Known Limitations

There are no known limitations.

2018 - February

New Connectors

This section describes the new connector in the February 2018 release:

Qlik Connector

You can use Qlik Connector to connect to Qlik from Data Integration and write data to Qlik. You can use a Qlik object as a target in synchronization tasks, mappings, and mapping tasks.

Amazon S3 V2 Connector

New Features

This section describes new features in Amazon S3 V2 Connector for the February 2018 release:

Support for Mappings and Mapping Tasks

You can create and run mappings or mapping tasks to read data from and write data to Amazon S3 objects.

AWS Identity and Access Management (IAM)

You can use AWS Identity and Access Management (IAM) authentication to securely control access to Amazon S3 resources.

For more information, see the *Data Integration Amazon S3 V2 Connector User Guide*.

Microsoft Azure SQL Data Warehouse V2 Connector

New Features

This section describes new features in Microsoft Azure SQL Data Warehouse V2 Connector for the February 2018 release:

IDENTITY Column

You can use the IDENTITY column in synchronization and mapping tasks.

For more details, see the *Data Integration Microsoft Azure SQL Data Warehouse V2 Connector Help*.

SAP BW Connector

SAP BW Connector Fixed Limitations

The following table describes fixed limitations:

CR	Description
CCON-10477	SAP BW Connector does not support filters for columns of the Datetime data type.
CCON-10381	When you read data from an SAP BW source, the task fails with an error message after 10 minutes without reading any records. This issue occurs because SAP BW Connector closes the session after 10 minutes.
CCON-10221	When you create and run a task or mapping to read data from the SAP BW DSO object, SAP Connector does not list all the fields.

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