

Database migration assessment report

Source database: DB2INST1.db2inst1@10.20.2.88:50000/SAMPLE
DB2 v11.1.4.5 64bit



Executive summary

Target Platform	Auto or minimal changes			Complex actions			
	Storage objects	Code objects	Conversion actions	Storage objects		Code objects	
				Objects count	Conversion actions	Objects count	Conversion actions
Amazon RDS for MySQL	64 (90%)	20 (87%)	15	7 (10%)	7	3 (13%)	3
Amazon Aurora (MySQL compatible)	64 (90%)	20 (87%)	16	7 (10%)	7	3 (13%)	3
Amazon RDS for PostgreSQL	66 (93%)	19 (83%)	14	5 (7%)	5	4 (17%)	3
Amazon Aurora (PostgreSQL compatible)	66 (93%)	19 (83%)	14	5 (7%)	5	4 (17%)	3
Amazon RDS for MariaDB	65 (92%)	20 (87%)	16	6 (8%)	6	3 (13%)	3

We completed the analysis of your DB2 LUW source database and estimate that 90% of the database storage objects and 87% of database code objects can be converted automatically or with minimal changes if you select Amazon RDS for MySQL as your migration target. Database storage objects include schemas, tables, table constraints, foreign keys, indexes, mqttables, sequences, aliases, array types, cursor types, distinct types, row types, structured types, global variables and module variables. Database code objects include triggers, modules, views, functions, procedures, module array types, module cursor types, module distinct types, module row types, module functions and module procedures. Based on the source code syntax analysis, we estimate 81% (based on # lines of code) of your code can be converted to Amazon RDS for MySQL automatically. To complete the migration, we recommend 25 conversion action(s) ranging from simple tasks to medium-complexity actions to complex conversion actions.

If you select Amazon Aurora (MySQL compatible) as your migration target, we estimate that 90% of the database storage objects and 87% of database code objects can be converted automatically or with minimal changes. Based on the syntax analysis we estimate that 80% of your entire database schema can be converted to Amazon Aurora (MySQL compatible) automatically. We recommend 26 conversion action(s) to complete the conversion work.

If you select Amazon RDS for PostgreSQL as your migration target, we estimate that 93% of the database storage objects and 83% of database code objects can be converted automatically or with minimal changes. Based on the syntax analysis we estimate that 96% of your entire database schema can be converted to Amazon RDS for PostgreSQL automatically. We recommend 22 conversion action(s) to complete the conversion work.

If you select Amazon Aurora (PostgreSQL compatible) as your migration target, we estimate that 93% of the database storage objects and 83% of database code objects can be converted automatically or with minimal changes. Based on the syntax analysis we estimate that 96% of your entire database schema can be converted to Amazon Aurora (PostgreSQL compatible) automatically. We recommend 22 conversion action(s) to complete the conversion work.

If you select Amazon RDS for MariaDB as your migration target, we estimate that 92% of the database storage objects and 87% of database code objects can be converted automatically or with minimal changes. Based on the syntax analysis we estimate that 94% of your entire database schema can be converted to Amazon RDS for MariaDB automatically. We recommend 25 conversion action(s) to complete the conversion work.

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Database objects with conversion actions for Amazon RDS for MySQL

Of the total 71 database storage object(s) and 23 database code object(s) in the source database, we identified 64 (90%) database storage object(s) and 20 (87%) database code object(s) that can be converted to Amazon RDS for MySQL automatically or with minimal changes.

7 (10%) database storage object(s) require 7 complex user action(s) to complete the conversion.

3 (13%) database code object(s) require 3 complex user action(s) to complete the conversion.

Figure: Conversion statistics for database storage objects

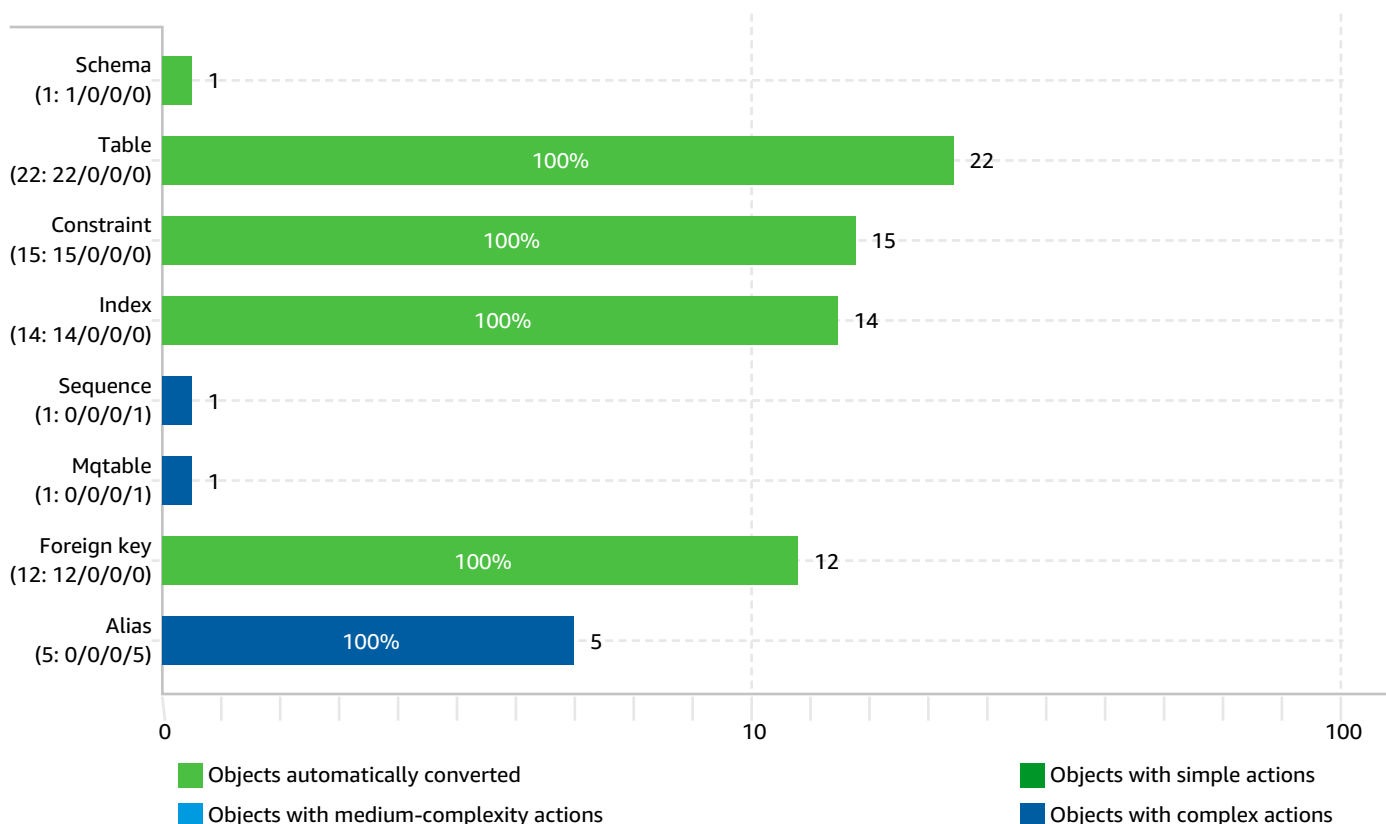
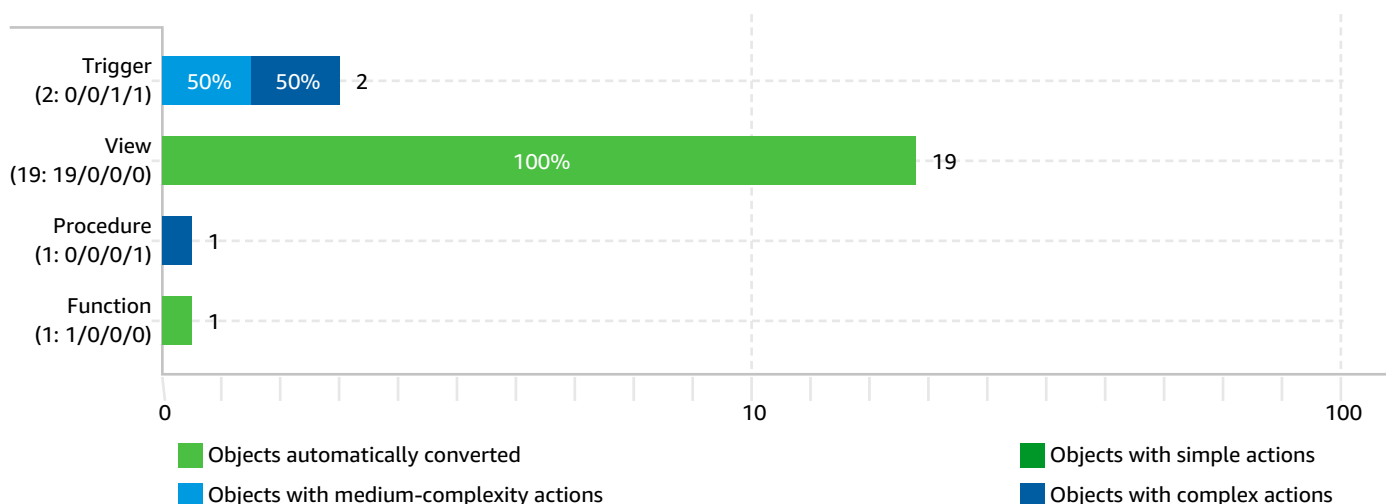


Figure: Conversion statistics for database code objects



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Source database: DB2INST1.db2inst1@10.20.2.88:50000/SAMPLE
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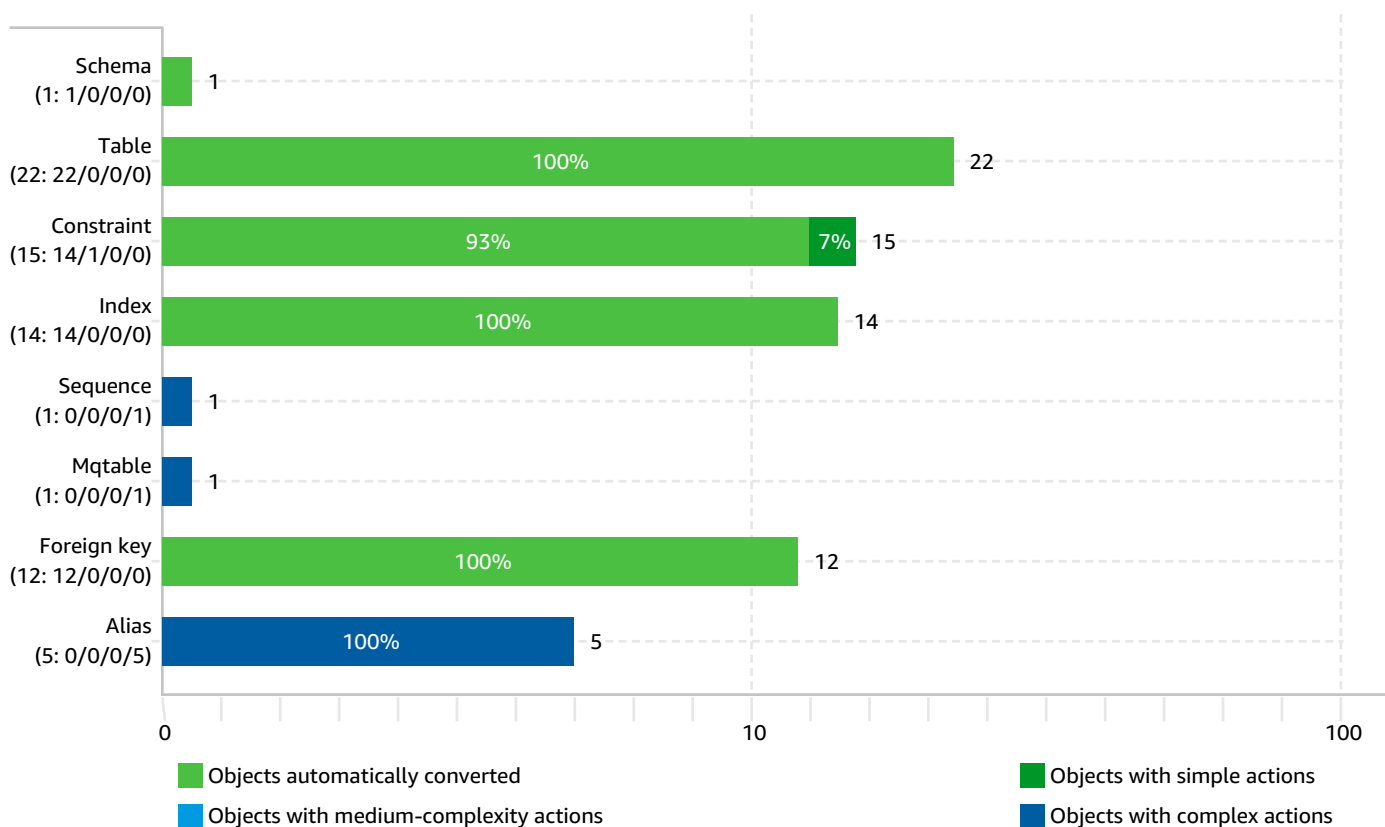
Database objects with conversion actions for Amazon Aurora (MySQL compatible)

Of the total 71 database storage object(s) and 23 database code object(s) in the source database, we identified 64 (90%) database storage object(s) and 20 (87%) database code object(s) that can be converted to Amazon Aurora (MySQL compatible) automatically or with minimal changes.

7 (10%) database storage object(s) require 7 complex user action(s) to complete the conversion.

3 (13%) database code object(s) require 3 complex user action(s) to complete the conversion.

Figure: Conversion statistics for database storage objects

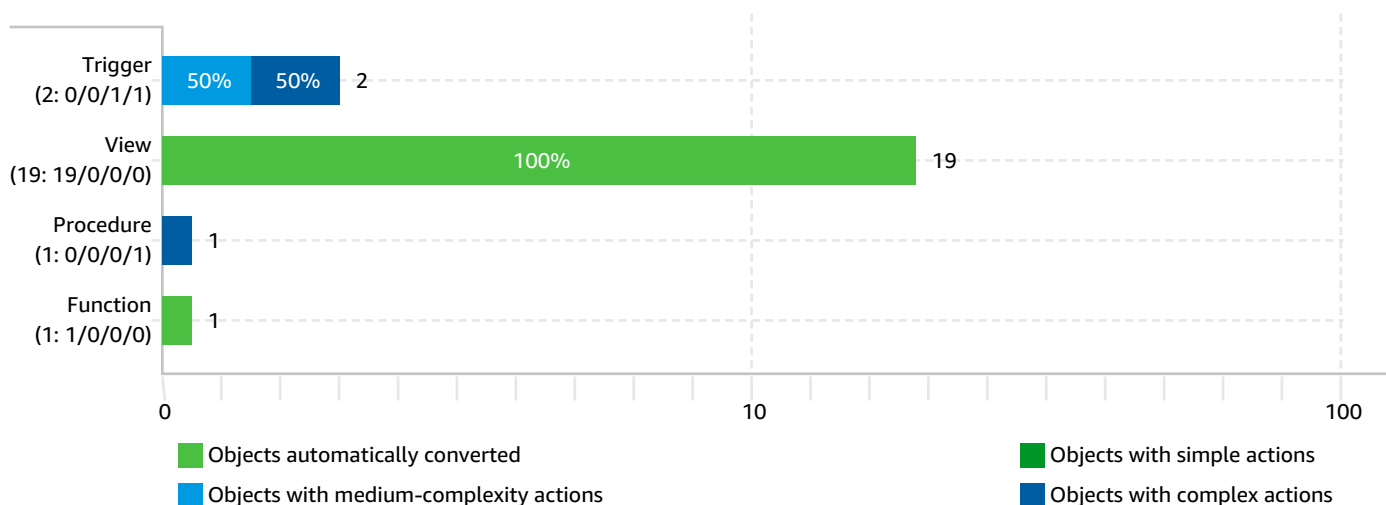


Database migration assessment report

Source database: DB2INST1.db2inst1@10.20.2.88:50000/SAMPLE
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Figure: Conversion statistics for database code objects



Database objects with conversion actions for Amazon RDS for PostgreSQL

Of the total 71 database storage object(s) and 23 database code object(s) in the source database, we identified 66 (93%) database storage object(s) and 19 (83%) database code object(s) that can be converted to Amazon RDS for PostgreSQL automatically or with minimal changes.

5 (7%) database storage object(s) require 5 complex user action(s) to complete the conversion.

4 (17%) database code object(s) require 3 complex user action(s) to complete the conversion.

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Source database: DB2INST1.db2inst1@10.20.2.88:50000/SAMPLE
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Figure: Conversion statistics for database storage objects

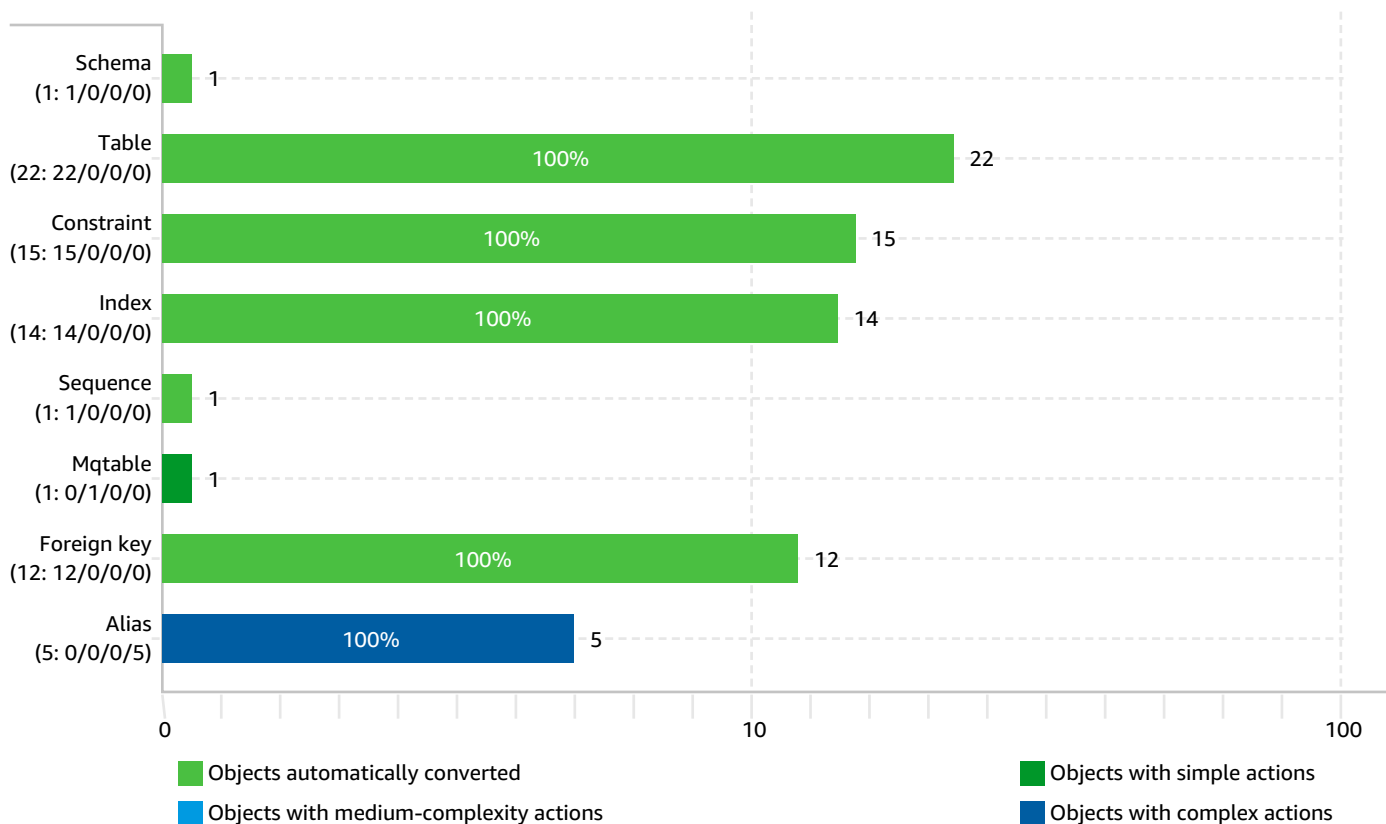
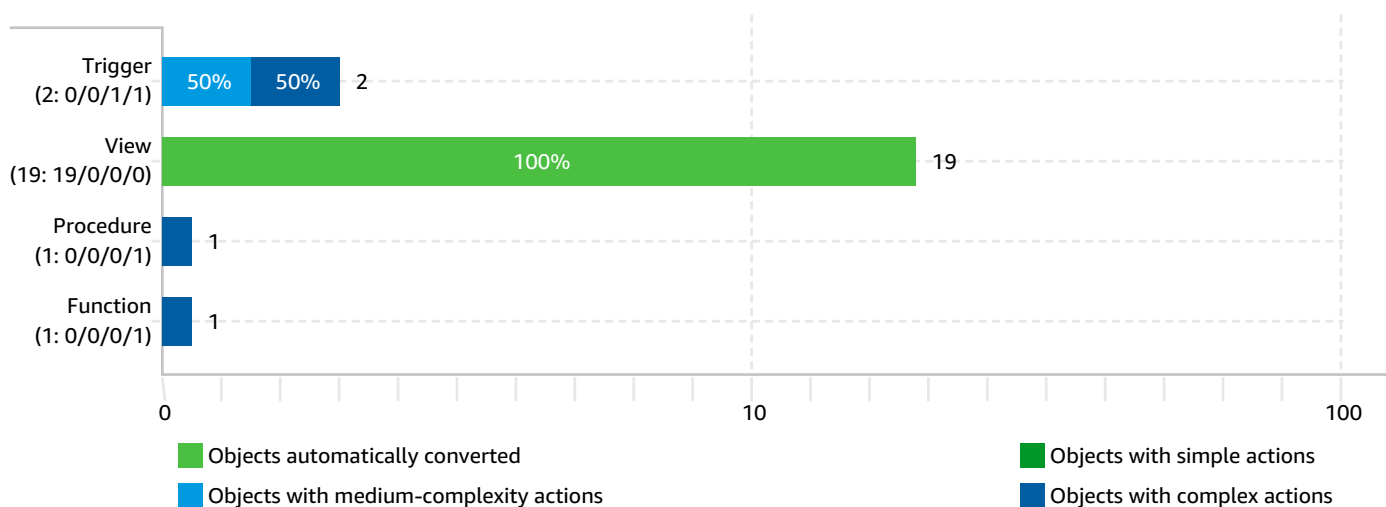


Figure: Conversion statistics for database code objects



Database objects with conversion actions for Amazon Aurora (PostgreSQL compatible)

Of the total 71 database storage object(s) and 23 database code object(s) in the source database, we identified 66 (93%) database storage object(s) and 19 (83%) database code object(s) that can be converted to Amazon

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Aurora (PostgreSQL compatible) automatically or with minimal changes.

5 (7%) database storage object(s) require 5 complex user action(s) to complete the conversion.

4 (17%) database code object(s) require 3 complex user action(s) to complete the conversion.

Figure: Conversion statistics for database storage objects

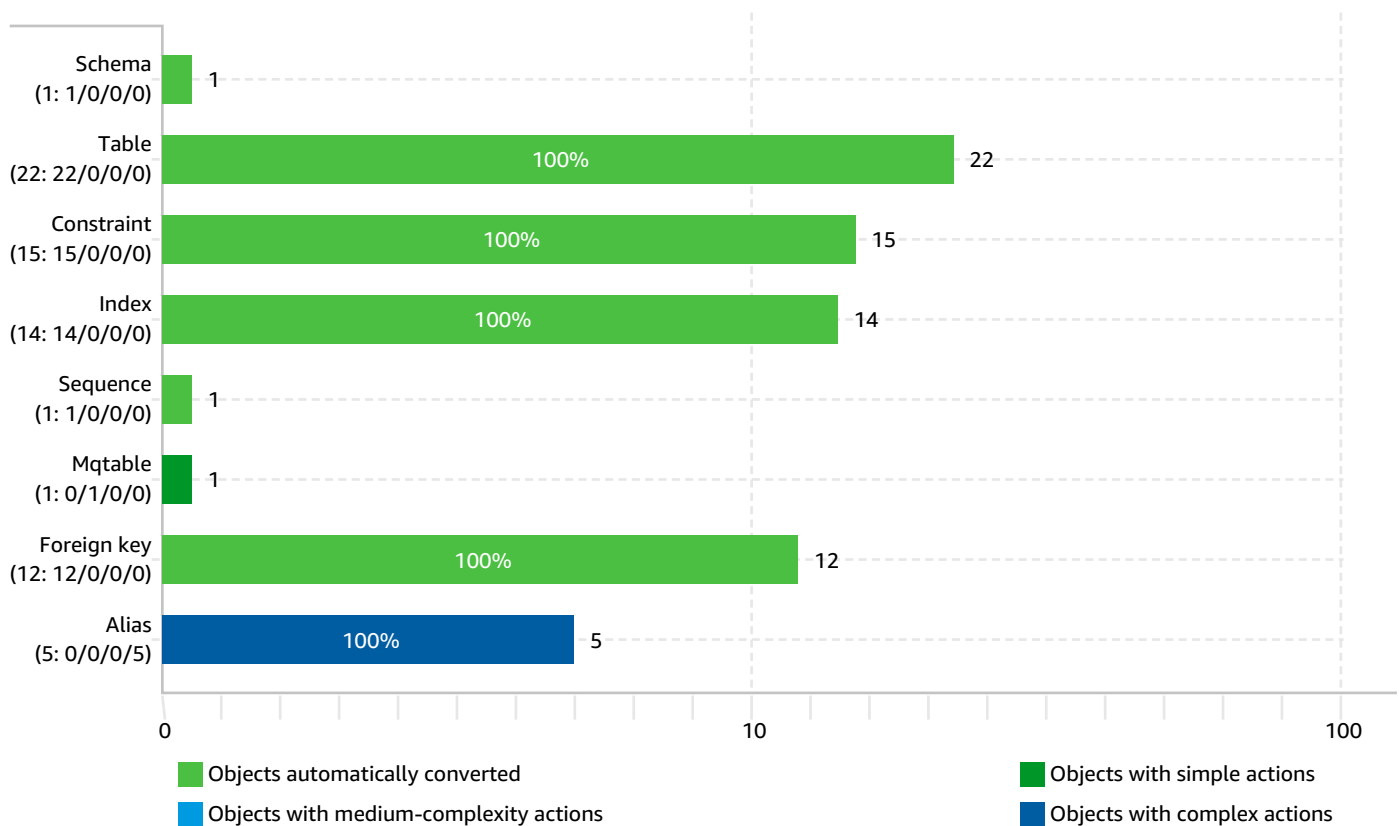
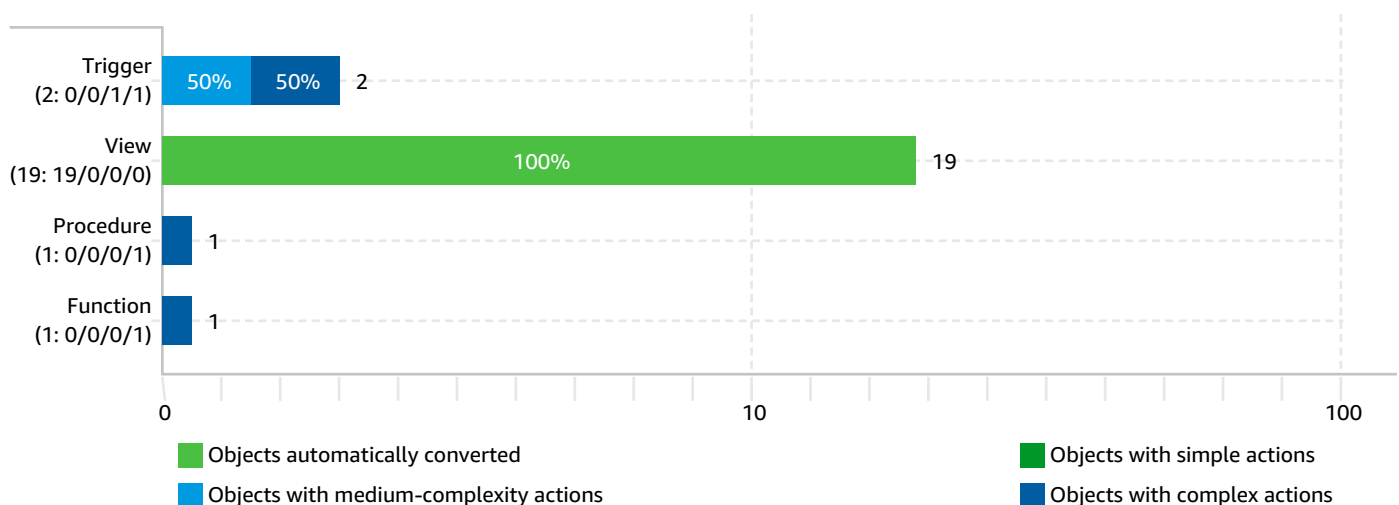


Figure: Conversion statistics for database code objects



Database objects with conversion actions for Amazon RDS for MariaDB

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Of the total 71 database storage object(s) and 23 database code object(s) in the source database, we identified 65 (92%) database storage object(s) and 20 (87%) database code object(s) that can be converted to Amazon RDS for MariaDB automatically or with minimal changes.

6 (8%) database storage object(s) require 6 complex user action(s) to complete the conversion.

3 (13%) database code object(s) require 3 complex user action(s) to complete the conversion.

Figure: Conversion statistics for database storage objects

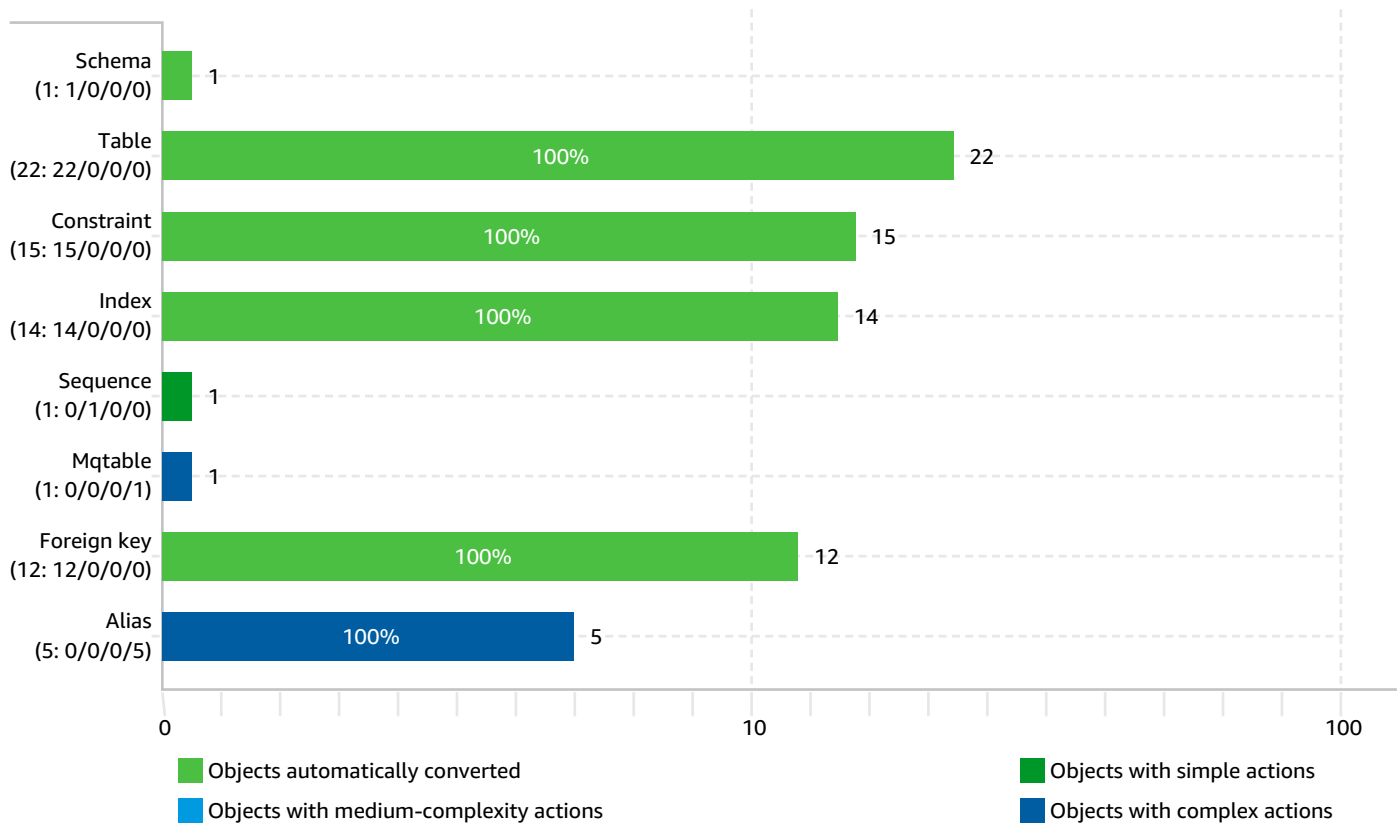
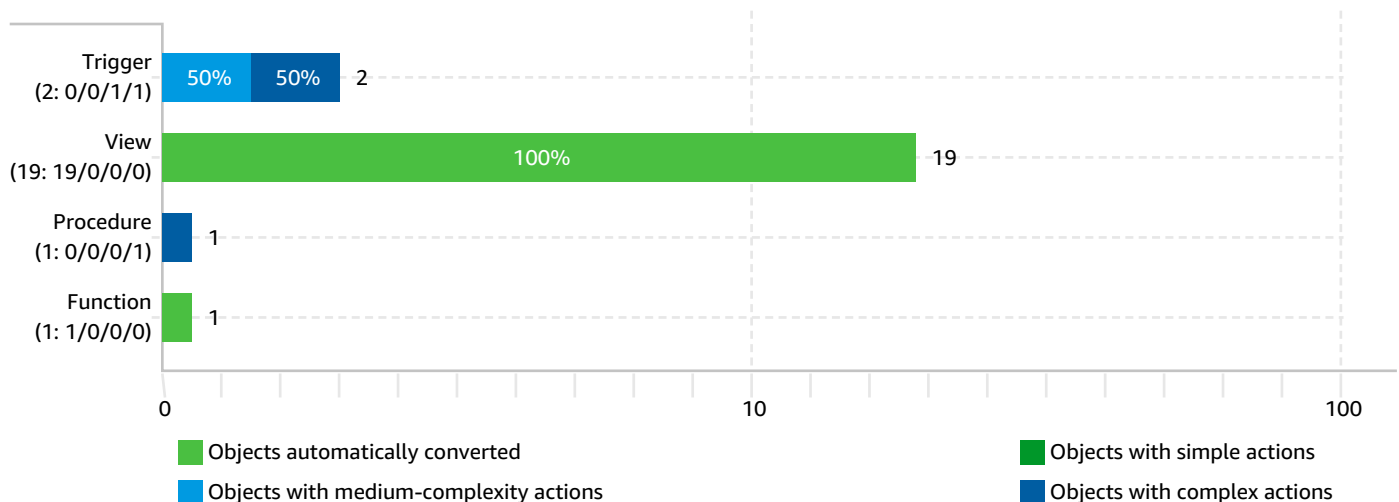


Figure: Conversion statistics for database code objects



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Detailed recommendations for Amazon RDS for MySQL migrations

If you migrate your DB2 LUW database to Amazon RDS for MySQL, we recommend the following actions.

Storage object actions

Sequence Changes

Not all sequences can be converted automatically. You'll need to address these issues manually.

— Issue 4023: MySQL doesn't support sequences

Recommended action: Perform a manual conversion, please.

Issue code: 4023 | Number of occurrences: 1 | Estimated complexity: Complex

Documentation references: <http://dev.mysql.com/doc/refman/5.7/en/sql-syntax-data-definition.html>

Schemas.DB2INST1.Sequences.SAMPSEQUENCE

Mqtable Changes

Not all mqtables can be converted automatically. You'll need to address these issues manually.

— Issue 4017: MySQL doesn't support a materialized VIEW

Recommended action: Revise your code to replace materialized VIEW with another solution.

Issue code: 4017 | Number of occurrences: 1 | Estimated complexity: Complex

Documentation references: <http://dev.mysql.com/doc/refman/5.7/en/create-view.html>

Schemas.DB2INST1.Materialized query tables.ADEFUSR

Alias Changes

Not all alias can be converted automatically. You'll need to address these issues manually.

— Issue 4033: MySQL doesn't support aliases

Recommended action: Replace an alias with original database object. If original object is table or view you can try to create a view in one database that relies on a table or view in another database.

Issue code: 4033 | Number of occurrences: 5 | Estimated complexity: Complex

Schemas.DB2INST1.Aliases.DEPT

Schemas.DB2INST1.Aliases.EMP

Schemas.DB2INST1.Aliases.EMPACT

Schemas.DB2INST1.Aliases.EMP_ACT

Schemas.DB2INST1.Aliases.PROJ

Code object actions

Trigger Changes

Not all triggers can be converted automatically. You'll need to address these issues manually.

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Source database: DB2INST1.db2inst1@10.20.2.88:50000/SAMPLE
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! Issue 4030: MySQL doesn't support WHEN(condition) triggers

Recommended action: The WHEN condition is applied in the trigger body.

Issue code: 4030 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/5.7/en/create-trigger.html>

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

! Issue 4088: Error codes are not the same. You need to check the result of the conversion

Recommended action: You need to check the result of the conversion.

Issue code: 4088 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

! Issue 4089: MySQL doesn't support ATOMIC option

Recommended action: Perform a manual conversion.

Issue code: 4089 | Number of occurrences: 2 | Estimated complexity: Simple

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

! Issue 4116: MySQL doesn't support the REFERENCING clauses. Modify references to pseudorows to use OLD and NEW instead

Recommended action: Modify references to pseudorows to use OLD and NEW instead.

Issue code: 4116 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/5.7/en/create-trigger.html>

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

Procedure Changes

Not all procedures can be converted automatically. You'll need to address these issues manually.

! Issue 4080: MySQL doesn't support cursor options

Recommended action: Declaration of cursor converted without option. Review transformed code and modify it if necessary.

Issue code: 4080 | Number of occurrences: 2 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 4088: Error codes are not the same. You need to check the result of the conversion

Recommended action: You need to check the result of the conversion.

Issue code: 4088 | Number of occurrences: 3 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

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Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 9997: Unable to resolve objects

Recommended action: Verify if the unresolved object is present in the database. If it isn't, check the object name or add the object. If the object is present, transform the code manually.

Issue code: 9997 | Number of occurrences: 3 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE

– Issue 4085: MySQL doesn't support GOTO statement

Recommended action: Perform a manual conversion.

Issue code: 4085 | Number of occurrences: 2 | Estimated complexity: Complex

Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE

– Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 1 | Estimated complexity: Complex

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Detailed recommendations for Amazon Aurora (MySQL compatible) migrations

If you migrate your DB2 LUW database to Amazon Aurora (MySQL compatible), we recommend the following actions.

Storage object actions

Constraint Changes

Not all constraints can be converted automatically. You'll need to address these issues manually.

! Issue 4008: MySQL does not support check constraints. Emulating triggers created

Recommended action: Please revise generated code and modify it if is necessary.

Issue code: 4008 | Number of occurrences: 1 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/5.7/en/create-table.html>

Schemas.DB2INST1.Tables.EMPLOYEE.Constraints.NUMBER

Sequence Changes

Not all sequences can be converted automatically. You'll need to address these issues manually.

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Issue 4023: MySQL doesn't support sequences

Recommended action: Perform a manual conversion, please.

Issue code: 4023 | Number of occurrences: 1 | Estimated complexity: Complex

Documentation references: <http://dev.mysql.com/doc/refman/5.7/en/sql-syntax-data-definition.html>

Schemas.DB2INST1.Sequences.SAMPSEQUENCE

Mqtable Changes

Not all mqtables can be converted automatically. You'll need to address these issues manually.

Issue 4017: MySQL doesn't support a materialized VIEW

Recommended action: Revise your code to replace materialized VIEW with another solution.

Issue code: 4017 | Number of occurrences: 1 | Estimated complexity: Complex

Documentation references: <http://dev.mysql.com/doc/refman/5.7/en/create-view.html>

Schemas.DB2INST1.Materialized query tables.ADEFUSR

Alias Changes

Not all alias can be converted automatically. You'll need to address these issues manually.

Issue 4033: MySQL doesn't support aliases

Recommended action: Replace an alias with original database object. If original object is table or view you can try to create a view in one database that relies on a table or view in another database.

Issue code: 4033 | Number of occurrences: 5 | Estimated complexity: Complex

Schemas.DB2INST1.Aliases.DEPT

Schemas.DB2INST1.Aliases.EMP

Schemas.DB2INST1.Aliases.EMPACT

Schemas.DB2INST1.Aliases.EMP_ACT

Schemas.DB2INST1.Aliases.PROJ

Code object actions

Trigger Changes

Not all triggers can be converted automatically. You'll need to address these issues manually.

Issue 4030: MySQL doesn't support WHEN(condition) triggers

Recommended action: The WHEN condition is applied in the trigger body.

Issue code: 4030 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/5.7/en/create-trigger.html>

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

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! Issue 4088: Error codes are not the same. You need to check the result of the conversion

Recommended action: You need to check the result of the conversion.

Issue code: 4088 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

! Issue 4089: MySQL doesn't support ATOMIC option

Recommended action: Perform a manual conversion.

Issue code: 4089 | Number of occurrences: 2 | Estimated complexity: Simple

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

! Issue 4116: MySQL doesn't support the REFERENCING clauses. Modify references to pseudorows to use OLD and NEW instead

Recommended action: Modify references to pseudorows to use OLD and NEW instead.

Issue code: 4116 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/5.7/en/create-trigger.html>

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

Procedure Changes

Not all procedures can be converted automatically. You'll need to address these issues manually.

! Issue 4080: MySQL doesn't support cursor options

Recommended action: Declaration of cursor converted without option. Review transformed code and modify it if necessary.

Issue code: 4080 | Number of occurrences: 2 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 4088: Error codes are not the same. You need to check the result of the conversion

Recommended action: You need to check the result of the conversion.

Issue code: 4088 | Number of occurrences: 3 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 9997: Unable to resolve objects

Recommended action: Verify if the unresolved object is present in the database. If it isn't, check the object name or add the object. If the object is present, transform the code manually.

Issue code: 9997 | Number of occurrences: 3 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

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Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE

– Issue 4085: MySQL doesn't support GOTO statement

Recommended action: Perform a manual conversion.

Issue code: 4085 | Number of occurrences: 2 | Estimated complexity: Complex

Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE

– Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 1 | Estimated complexity: Complex

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Detailed recommendations for Amazon RDS for PostgreSQL migrations

If you migrate your DB2 LUW database to Amazon RDS for PostgreSQL, we recommend the following actions.

Storage object actions

Mqtable Changes

Not all mqtables can be converted automatically. You'll need to address these issues manually.

! Issue 4511: PostgreSQL doesn't support MQT with REFRESH IMMEDIATE option

Recommended action: Materialized view was created without REFRESH IMMEDIATE option. Modify your code using REFRESH MATERIALIZED VIEW.

Issue code: 4511 | Number of occurrences: 1 | Estimated complexity: Simple

Documentation references: <https://www.postgresql.org/docs/9.6/static/sql-creatematerializedview.html>

Schemas.DB2INST1.Materialized query tables.ADEFUSR

Alias Changes

Not all alias can be converted automatically. You'll need to address these issues manually.

– Issue 4519: PostgreSQL doesn't support aliases

Recommended action: Replace an alias with original database object. If original object is table or view you can try to create a view in one database that relies on a table or view in another database.

Issue code: 4519 | Number of occurrences: 5 | Estimated complexity: Complex

Schemas.DB2INST1.Aliases.DEPT
Schemas.DB2INST1.Aliases.EMP
Schemas.DB2INST1.Aliases.EMPACT
Schemas.DB2INST1.Aliases.EMP_ACT
Schemas.DB2INST1.Aliases.PROJ

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Code object actions

Trigger Changes

Not all triggers can be converted automatically. You'll need to address these issues manually.

! Issue 4553: Error codes are not the same. You need to check the result of the conversion

Recommended action: You need to check the result of the conversion.

Issue code: 4553 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

! Issue 4554: PostgreSQL doesn't support ATOMIC option

Recommended action: Perform a manual conversion.

Issue code: 4554 | Number of occurrences: 2 | Estimated complexity: Simple

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

! Issue 4593: PostgreSQL doesn't support the REFERENCING clauses. Modify references to pseudorows to use OLD and NEW instead

Recommended action: Modify references to pseudorows to use OLD and NEW instead.

Issue code: 4593 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://www.postgresql.org/docs/9.6/static/sql-createtrigger.html>

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

Procedure Changes

Not all procedures can be converted automatically. You'll need to address these issues manually.

! Issue 4543: PostgreSQL doesn't support cursor options

Recommended action: Declaration of cursor converted without option. Review transformed code and modify it if necessary.

Issue code: 4543 | Number of occurrences: 2 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 4551: PostgreSQL isn't able to return into call point after the error handling. Check your error handling logic

Recommended action: Perform a manual conversion.

Issue code: 4551 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

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❗ Issue 4553: Error codes are not the same. You need to check the result of the conversion

Recommended action: You need to check the result of the conversion.

Issue code: 4553 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

❗ Issue 4600: PostgreSQL doesn't support SAVEPOINT, ROLLBACK TO SAVEPOINT inside of routines

Recommended action: Perform a manual conversion.

Issue code: 4600 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <http://www.postgresql.org/docs/9.6/interactive/plpgsql-structure.html>

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Schemas.DB2INST1.Procedures.BONUS_INCREASE

❗ Issue 9997: Unable to resolve objects

Recommended action: Verify if the unresolved object is present in the database. If it isn't, check the object name or add the object. If the object is present, transform the code manually.

Issue code: 9997 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

➖ Issue 4549: PostgreSQL doesn't support GOTO statement

Recommended action: Perform a manual conversion.

Issue code: 4549 | Number of occurrences: 2 | Estimated complexity: Complex

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Function Changes

Not all functions can be converted automatically. You'll need to address these issues manually.

❗ Issue 4554: PostgreSQL doesn't support ATOMIC option

Recommended action: Perform a manual conversion.

Issue code: 4554 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Functions.RESIGN_EMPLOYEE

➖ Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 1 | Estimated complexity: Complex

Schemas.DB2INST1.Functions.RESIGN_EMPLOYEE

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Detailed recommendations for Amazon Aurora (PostgreSQL compatible) migrations

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Not all mqtables can be converted automatically. You'll need to address these issues manually.

Issue 4511: PostgreSQL doesn't support MQT with REFRESH IMMEDIATE option

Recommended action: Materialized view was created without REFRESH IMMEDIATE option. Modify your code using REFRESH MATERIALIZED VIEW.

Issue code: 4511 | Number of occurrences: 1 | Estimated complexity: Simple

Documentation references: <https://www.postgresql.org/docs/9.6/static/sql-creatematerializedview.html>

Schemas.DB2INST1.Materialized query tables.ADEFUSR

Alias Changes

Not all alias can be converted automatically. You'll need to address these issues manually.

Issue 4519: PostgreSQL doesn't support aliases

Recommended action: Replace an alias with original database object. If original object is table or view you can try to create a view in one database that relies on a table or view in another database.

Issue code: 4519 | Number of occurrences: 5 | Estimated complexity: Complex

Schemas.DB2INST1.Aliases.DEPT
Schemas.DB2INST1.Aliases.EMP
Schemas.DB2INST1.Aliases.EMPACT
Schemas.DB2INST1.Aliases.EMP_ACT
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Code object actions

Trigger Changes

Not all triggers can be converted automatically. You'll need to address these issues manually.

Issue 4553: Error codes are not the same. You need to check the result of the conversion

Recommended action: You need to check the result of the conversion.

Issue code: 4553 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Issue 4554: PostgreSQL doesn't support ATOMIC option

Database migration assessment report

Source database: DB2INST1.db2inst1@10.20.2.88:50000/SAMPLE
DB2 v11.1.4.5 64bit



Recommended action: Perform a manual conversion.

Issue code: 4554 | Number of occurrences: 2 | Estimated complexity: Simple

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES
Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

! Issue 4593: PostgreSQL doesn't support the REFERENCING clauses. Modify references to pseudorows to use OLD and NEW instead

Recommended action: Modify references to pseudorows to use OLD and NEW instead.

Issue code: 4593 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://www.postgresql.org/docs/9.6/static/sql-createtrigger.html>

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES
Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

Procedure Changes

Not all procedures can be converted automatically. You'll need to address these issues manually.

! Issue 4543: PostgreSQL doesn't support cursor options

Recommended action: Declaration of cursor converted without option. Review transformed code and modify it if necessary.

Issue code: 4543 | Number of occurrences: 2 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 4551: PostgreSQL isn't able to return into call point after the error handling. Check your error handling logic

Recommended action: Perform a manual conversion.

Issue code: 4551 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 4553: Error codes are not the same. You need to check the result of the conversion

Recommended action: You need to check the result of the conversion.

Issue code: 4553 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 4600: PostgreSQL doesn't support SAVEPOINT, ROLLBACK TO SAVEPOINT inside of routines

Recommended action: Perform a manual conversion.

Issue code: 4600 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <http://www.postgresql.org/docs/9.6/interactive/plpgsql-structure.html>

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Database migration assessment report

Source database: DB2INST1.db2inst1@10.20.2.88:50000/SAMPLE
DB2 v11.1.4.5 64bit



Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 9997: Unable to resolve objects

Recommended action: Verify if the unresolved object is present in the database. If it isn't, check the object name or add the object. If the object is present, transform the code manually.

Issue code: 9997 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE

– Issue 4549: PostgreSQL doesn't support GOTO statement

Recommended action: Perform a manual conversion.

Issue code: 4549 | Number of occurrences: 2 | Estimated complexity: Complex

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Function Changes

Not all functions can be converted automatically. You'll need to address these issues manually.

! Issue 4554: PostgreSQL doesn't support ATOMIC option

Recommended action: Perform a manual conversion.

Issue code: 4554 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Functions.RESIGN_EMPLOYEE

– Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 1 | Estimated complexity: Complex

Schemas.DB2INST1.Functions.RESIGN_EMPLOYEE

Detailed recommendations for Amazon RDS for MariaDB migrations

If you migrate your DB2 LUW database to Amazon RDS for MariaDB, we recommend the following actions.

Storage object actions

Sequence Changes

Not all sequences can be converted automatically. You'll need to address these issues manually.

! Issue 4130: MariaDB supports datatype BigInt in sequence values

Recommended action: Review your transformed code and modify it if necessary to avoid a loss of sequence values.

Issue code: 4130 | Number of occurrences: 1 | Estimated complexity: Simple

Database migration assessment report

Source database: DB2INST1.db2inst1@10.20.2.88:50000/SAMPLE
DB2 v11.1.4.5 64bit



Documentation references: <https://mariadb.com/kb/en/library/create-sequence/>
Schemas.DB2INST1.Sequences.SAMPSEQUENCE

Mqtable Changes

Not all mqtables can be converted automatically. You'll need to address these issues manually.

– Issue 4017: MariaDB doesn't support a materialized VIEW

Recommended action: Revise your code to replace materialized VIEW with another solution.

Issue code: 4017 | Number of occurrences: 1 | Estimated complexity: Complex

Documentation references: <https://mariadb.com/kb/en/library/create-view/>

Schemas.DB2INST1.Materialized query tables.ADEFUSR

Alias Changes

Not all alias can be converted automatically. You'll need to address these issues manually.

– Issue 4033: MariaDB doesn't support aliases

Recommended action: Replace an alias with original database object. If original object is table or view you can try to create a view in one database that relies on a table or view in another database.

Issue code: 4033 | Number of occurrences: 5 | Estimated complexity: Complex

Schemas.DB2INST1.Aliases.DEPT

Schemas.DB2INST1.Aliases.EMP

Schemas.DB2INST1.Aliases.EMPACT

Schemas.DB2INST1.Aliases.EMP_ACT

Schemas.DB2INST1.Aliases.PROJ

Code object actions

Trigger Changes

Not all triggers can be converted automatically. You'll need to address these issues manually.

! Issue 4030: MariaDB doesn't support WHEN(condition) triggers

Recommended action: The WHEN condition is applied in the trigger body.

Issue code: 4030 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://mariadb.com/kb/en/library/create-trigger/>

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

! Issue 4088: Error codes are not the same. You need to check the result of the conversion

Recommended action: You need to check the result of the conversion.

Issue code: 4088 | Number of occurrences: 1 | Estimated complexity: Simple

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES

Database migration assessment report

Source database: DB2INST1.db2inst1@10.20.2.88:50000/SAMPLE
DB2 v11.1.4.5 64bit



! Issue 4089: MariaDB doesn't support ATOMIC option

Recommended action: Perform a manual conversion.

Issue code: 4089 | Number of occurrences: 2 | Estimated complexity: Simple

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES
Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

! Issue 4116: MariaDB doesn't support the REFERENCING clauses. Modify references to pseudorows to use OLD and NEW instead

Recommended action: Modify references to pseudorows to use OLD and NEW instead.

Issue code: 4116 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://mariadb.com/kb/en/library/create-trigger/>

Schemas.DB2INST1.Tables.STAFF.Triggers.DO_NOT_DEL_SALES
Schemas.DB2INST1.Tables.STAFF.Triggers.MIN_SALARY

Procedure Changes

Not all procedures can be converted automatically. You'll need to address these issues manually.

! Issue 4080: MariaDB doesn't support cursor options

Recommended action: Declaration of cursor converted without option. Review transformed code and modify it if necessary.

Issue code: 4080 | Number of occurrences: 2 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 4088: Error codes are not the same. You need to check the result of the conversion

Recommended action: You need to check the result of the conversion.

Issue code: 4088 | Number of occurrences: 3 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE

! Issue 9997: Unable to resolve objects

Recommended action: Verify if the unresolved object is present in the database. If it isn't, check the object name or add the object. If the object is present, transform the code manually.

Issue code: 9997 | Number of occurrences: 3 | Estimated complexity: Simple

Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE
Schemas.DB2INST1.Procedures.BONUS_INCREASE

Database migration assessment report

Source database: DB2INST1.db2inst1@10.20.2.88:50000/SAMPLE
DB2 v11.1.4.5 64bit



Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 3 | Estimated complexity: Complex

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Schemas.DB2INST1.Procedures.BONUS_INCREASE

Schemas.DB2INST1.Procedures.BONUS_INCREASE