Database migration assessment report

Source database: instnwnd.dbo.SQL Server - library-~~███████████████████████~~
Version: Microsoft SQL Server 2019 (RTM-CU12) (KB5004524) - 15.0.4153.1 (X64) Jul 19 2021 15:37:34
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Standard Edition (64-bit) on Windows Server 2016 Datacenter 10.0 <X64> (Build 14393:) (Hypervisor)
Case sensitivity: OFF

Executive summary

We completed the analysis of your Microsoft SQL Server source database and estimate that 100% of the database storage objects and 100% of database code objects can be converted automatically or with minimal changes if you select Amazon RDS for PostgreSQL as your migration target.

Database storage objects include schemas, tables, table constraints, indexes, types, table types, sequences, synonyms and xml schema collections.

Database code objects include triggers, views, procedures, scalar functions, inline functions, table-valued functions and database triggers.

Based on the source code syntax analysis, we estimate 99.8% (based on # lines of code) of your code can be converted to Amazon RDS for PostgreSQL automatically.

To complete the migration, we recommend 13 conversion action(s) ranging from simple tasks to medium-complexity actions to complex conversion actions.

Migration guidance for database objects that could not be converted automatically can be found here
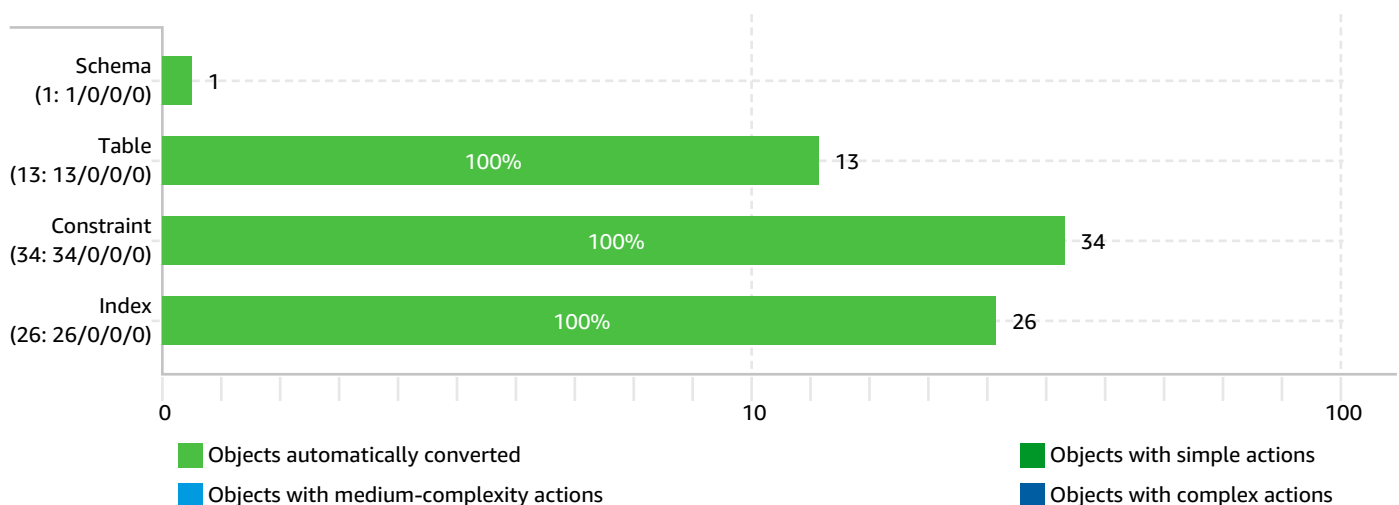
Database objects with conversion actions for Amazon RDS for PostgreSQL

Of the total 74 database storage object(s) and 23 database code object(s) in the source database, we identified 74 (100%) database storage object(s) and 23 (100%) database code object(s) that can be converted to Amazon RDS for PostgreSQL automatically or with minimal changes.

The target database version is less than PostgreSQL 15.2 (15.2). The converted code might not work properly.
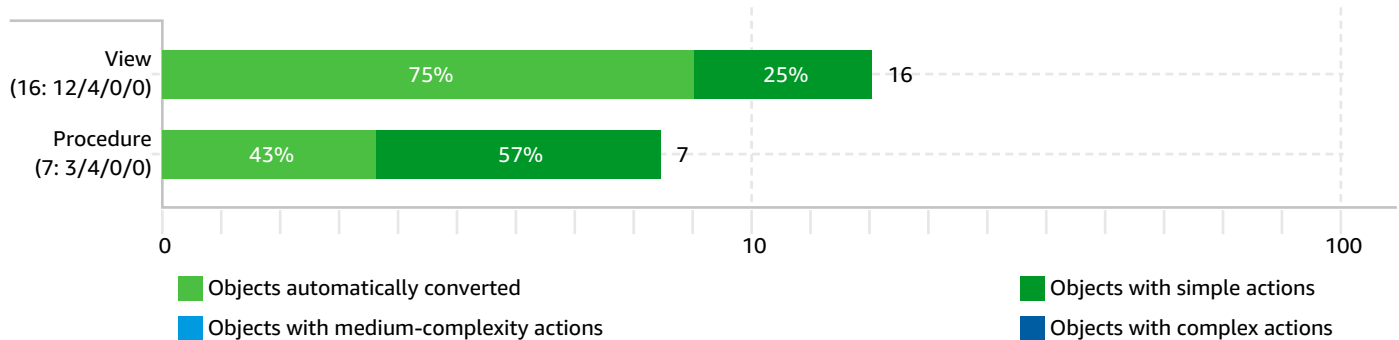
The object(s) action(s) complexity is a sum of the complexity of the action items associated with the object. Therefore, an object with multiple simple action items could be treated as "object with medium-complexity actions" or even as "object with complex actions."

Figure: Conversion statistics for database storage objects

Legend:
- Objects automatically converted (green)
- Objects with simple actions (dark green)
- Objects with medium-complexity actions (light blue)
- Objects with complex actions (dark blue)

instnwnd.dbo: Conversion details

aws

Source database: instnwnd.dbo.SQL Server - library-⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛⬛
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Figure: Conversion statistics for database code objects

Detailed recommendations for Amazon RDS for PostgreSQL migrations

If you migrate your Microsoft SQL Server database to Amazon RDS for PostgreSQL, we recommend the following actions.

Code object actions

View Changes

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

🛈 Issue 7795: In PostgreSQL, string operations are case sensitive

Recommended action: Review the converted code to make sure that it compares strings correctly.

Issue code: 7795 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.instnwnd.Schemas.dbo.Views.Invoices: Line 15:827
Databases.instnwnd.Schemas.dbo.Views.Orders Qry: Line 7:455
Databases.instnwnd.Schemas.dbo.Views.Quarterly Orders: Line 4:166
Databases.instnwnd.Schemas.dbo.Views.Sales Totals by Amount: Line 6:267

Procedure Changes

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

🛈 Issue 7674: AWS SCT can't convert unknown clauses

Recommended action: Convert your source code manually.

Issue code: 7674 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.instnwnd.Schemas.dbo.Procedures.Ten Most Expensive Products: Line 3:55

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ⓘ Issue 7795: In PostgreSQL, string operations are case sensitive

Recommended action: Review the converted code to make sure that it compares strings correctly.

Issue code: 7795 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.instnwnd.Schemas.dbo.Procedures.CustOrderHist: Line 5:160
Databases.instnwnd.Schemas.dbo.Procedures.CustOrderHist: Line 6:191
Databases.instnwnd.Schemas.dbo.Procedures.CustOrdersOrders: Line 9:134
Databases.instnwnd.Schemas.dbo.Procedures.SalesByCategory: Line 4:101
Databases.instnwnd.Schemas.dbo.Procedures.SalesByCategory: Line 4:124
+3 more