

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

Version: Microsoft SQL Server 2016 (SP3-GDR) (KB5014355) - 13.0.6419.1 (X64) May 29 2022 21:05:29

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Standard Edition (64-bit) on Windows Server 2016 Datacenter 10.0 <X64> (Build 14393: ) (Hypervisor)

Case sensitivity: OFF

## 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	549 (97%)	37 (49%)	283	16 (3%)	15	39 (51%)	129
Amazon Aurora (MySQL compatible)	549 (97%)	37 (49%)	283	16 (3%)	15	39 (51%)	129
Amazon RDS for PostgreSQL	541 (96%)	40 (53%)	213	24 (4%)	26	36 (47%)	134
Amazon Aurora (PostgreSQL compatible)	541 (96%)	40 (53%)	213	24 (4%)	26	36 (47%)	134
Amazon RDS for MariaDB	544 (96%)	37 (49%)	355	21 (4%)	17	39 (51%)	129
Amazon Redshift	541 (96%)	33 (43%)	513	24 (4%)	19	43 (57%)	47
Amazon Glue	0 (0%)	24 (100%)	0	0 (0%)	0	0 (0%)	0
Babelfish for Aurora PostgreSQL	504 (89%)	35 (46%)	43	61 (11%)	70	41 (54%)	178

We completed the analysis of your Microsoft SQL Server source database and estimate that 97% of the database storage objects and 49% of database code objects can be converted automatically or with minimal changes if you select Amazon RDS for MySQL as your migration target. storage objects include schemas, tables, table constraints, indexes, types, table types, sequences, synonyms and xml schema. code objects include triggers, views, procedures, scalar functions, inline functions, table-valued functions and database. on the source code syntax analysis, we estimate 91% (based on # lines of code) of your code can be converted to Amazon RDS for MySQL. to complete the migration, we recommend 427 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 97% of the database storage objects and 49% of database code objects can be converted automatically or with minimal changes. Based on the source code syntax analysis, we estimate 80% (based on # lines of code) of your code can be converted to Amazon Aurora (MySQL compatible) automatically. We recommend 427 conversion action(s) to complete the conversion work.

If you select Amazon RDS for PostgreSQL as your migration target, we estimate that 96% of the database storage objects and 53% of database code objects can be converted automatically or with minimal changes. Based on the source code syntax analysis, we estimate 92% (based on # lines of code) of your code can be converted to Amazon RDS for PostgreSQL automatically. We recommend 373 conversion action(s) to complete

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the conversion work.

If you select Amazon Aurora (PostgreSQL compatible) as your migration target, we estimate that 96% of the database storage objects and 53% of database code objects can be converted automatically or with minimal changes. Based on the source code syntax analysis, we estimate 92% (based on # lines of code) of your code can be converted to Amazon Aurora (PostgreSQL compatible) automatically. We recommend 373 conversion action(s) to complete the conversion work.

If you select Amazon RDS for MariaDB as your migration target, we estimate that 96% of the database storage objects and 49% of database code objects can be converted automatically or with minimal changes. Based on the source code syntax analysis, we estimate 80% (based on # lines of code) of your code can be converted to Amazon RDS for MariaDB automatically. We recommend 501 conversion action(s) to complete the conversion work.

If you select Amazon Redshift as your migration target, we estimate that 96% of the database storage objects and 43% of database code objects can be converted automatically or with minimal changes. Based on the source code syntax analysis, we estimate 90% (based on # lines of code) of your code can be converted to Amazon Redshift automatically. We recommend 579 conversion action(s) to complete the conversion work.

If you select Babelfish for Aurora PostgreSQL as your migration target, we estimate that 89% of the database storage objects and 46% of database code objects can be converted automatically or with minimal changes. Based on the source code syntax analysis, we estimate 86% (based on # lines of code) of your code can be converted to Babelfish for Aurora PostgreSQL automatically. We recommend 291 conversion action(s) to complete the conversion work.

Migration guidance for database objects that could not be converted automatically can be found [here](#)

## Database objects with conversion actions for Amazon RDS for MySQL

Of the total 565 database storage object(s) and 76 database code object(s) in the source database, we identified 549 (97%) database storage object(s) and 37 (49%) database code object(s) that can be converted to Amazon RDS for MySQL automatically or with minimal changes.

16 (3%) database storage object(s) require 15 complex user action(s) to complete the conversion.

39 (51%) database code object(s) require 129 complex user action(s) to complete the conversion.

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."

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Figure: Conversion statistics for database storage objects

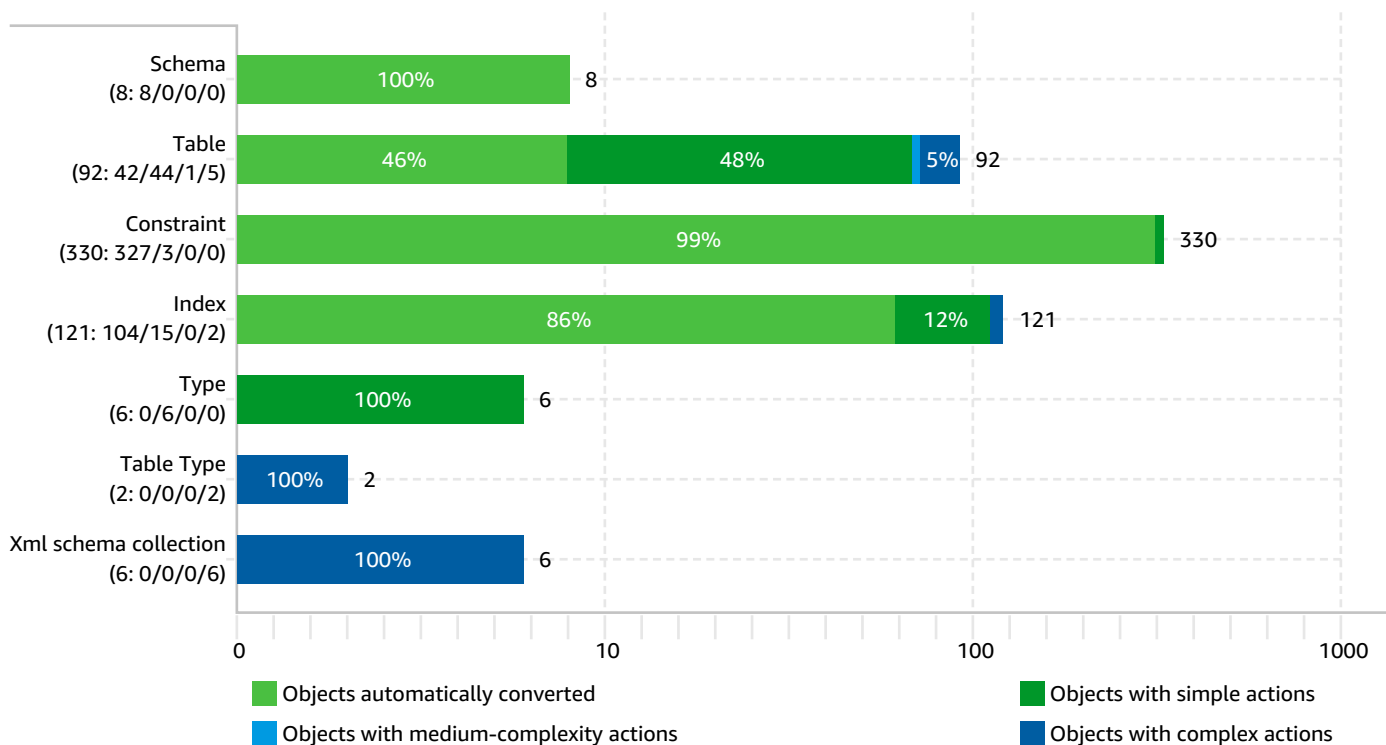
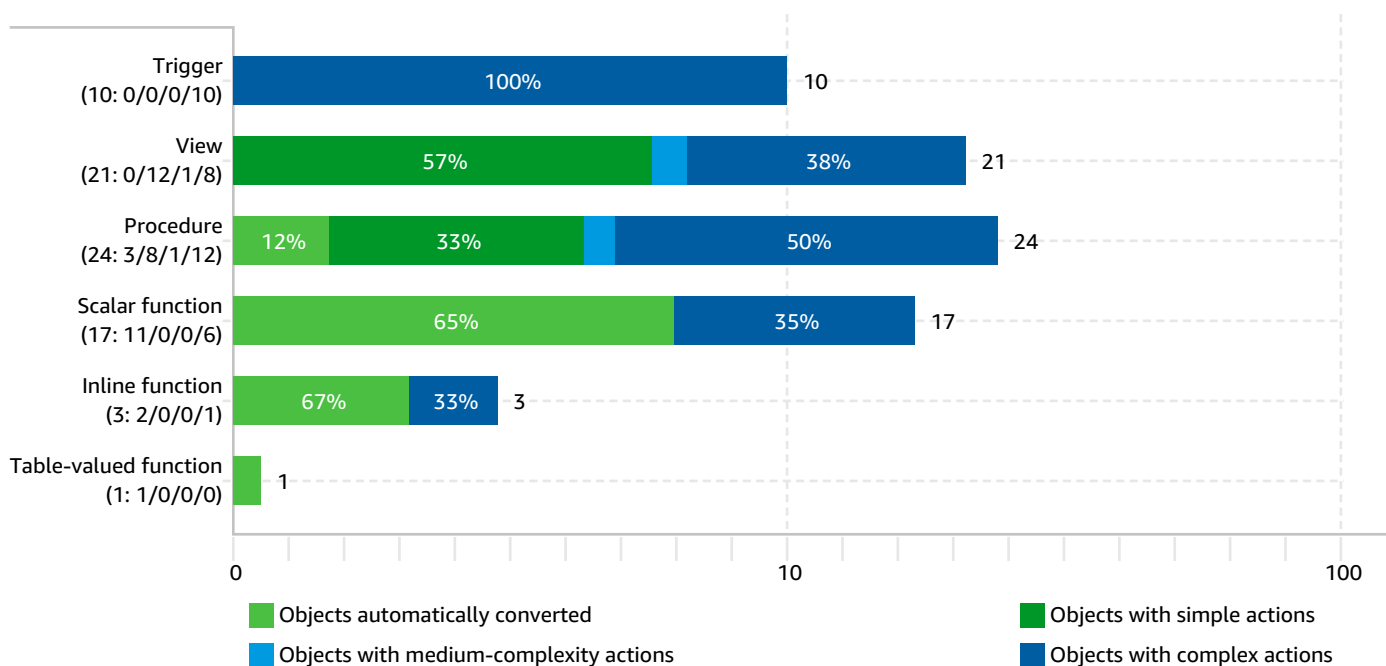


Figure: Conversion statistics for database code objects



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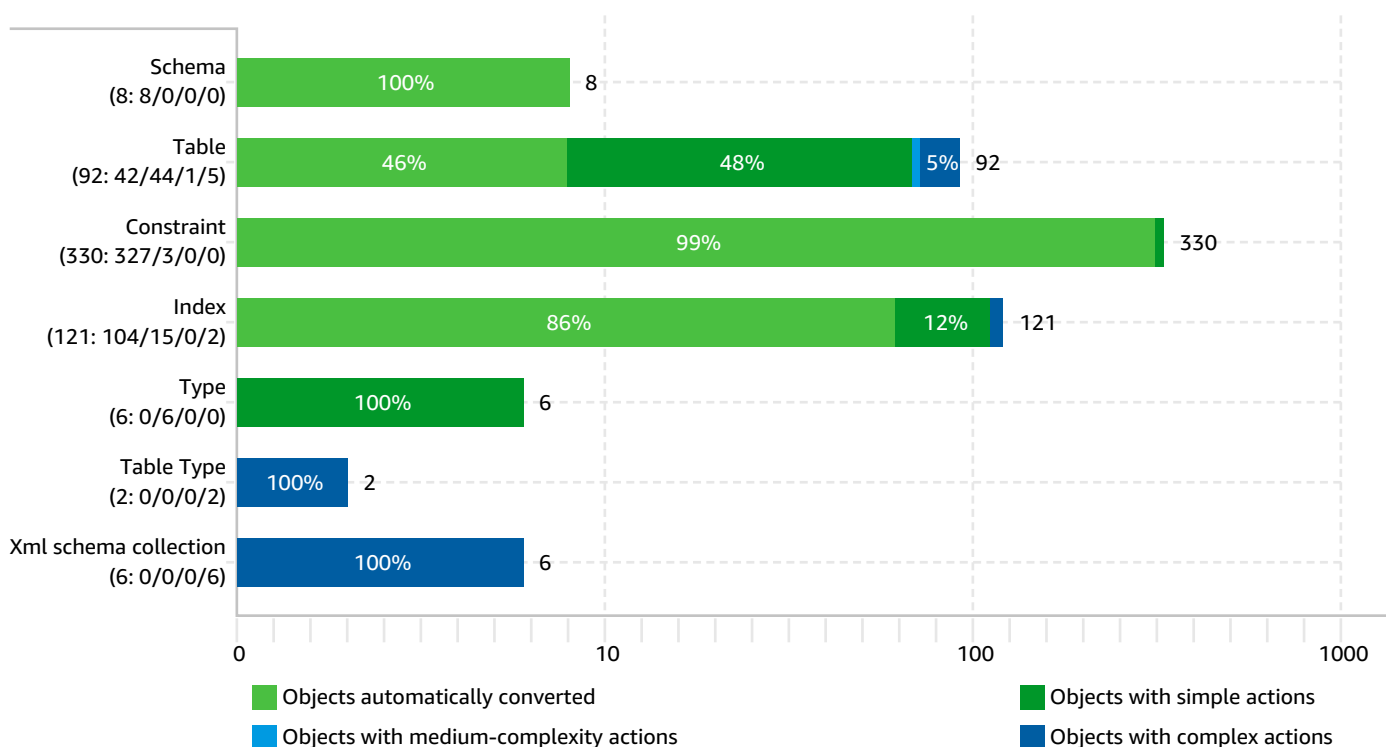
## Database objects with conversion actions for Amazon Aurora (MySQL compatible)

Of the total 565 database storage object(s) and 76 database code object(s) in the source database, we identified 549 (97%) database storage object(s) and 37 (49%) database code object(s) that can be converted to Amazon Aurora (MySQL compatible) automatically or with minimal changes.

16 (3%) database storage object(s) require 15 complex user action(s) to complete the conversion.

39 (51%) database code object(s) require 129 complex user action(s) to complete the conversion.

Figure: Conversion statistics for database storage objects



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Source database: AdventureWorks2016\_EXT.SQL Server

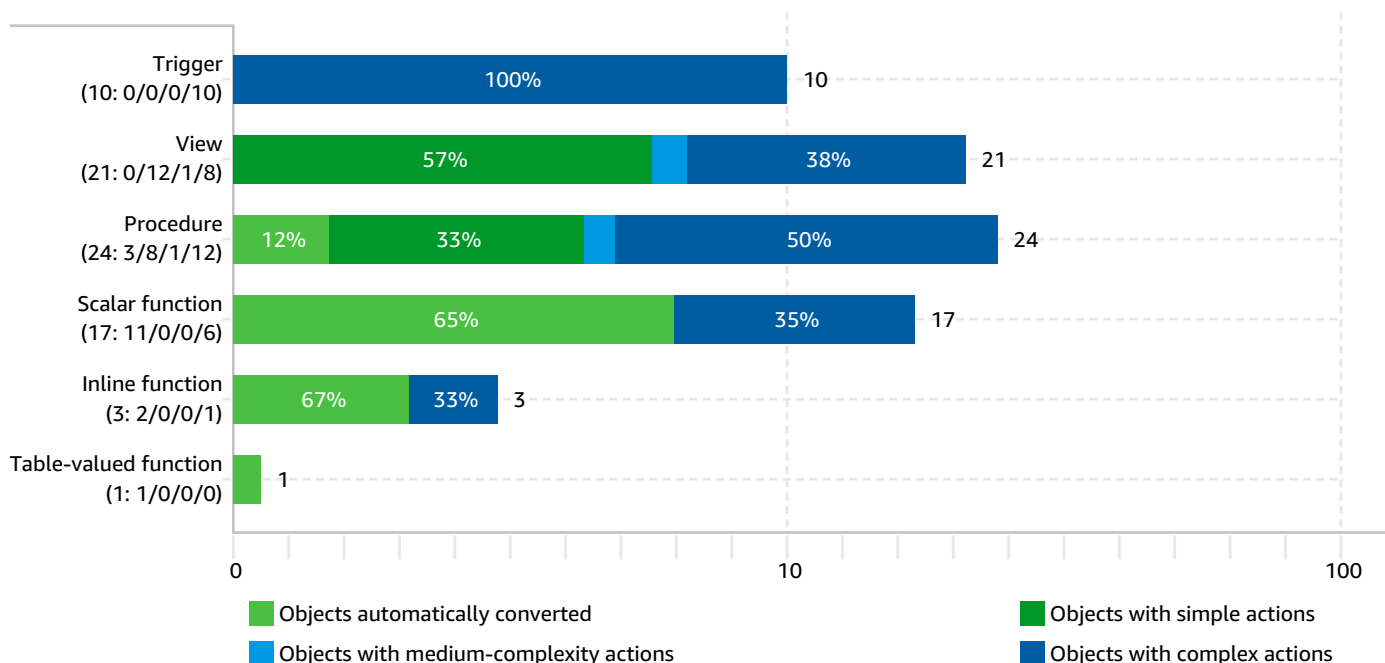
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Figure: Conversion statistics for database code objects



## Database objects with conversion actions for Amazon RDS for PostgreSQL

Of the total 565 database storage object(s) and 76 database code object(s) in the source database, we identified 541 (96%) database storage object(s) and 40 (53%) database code object(s) that can be converted to Amazon RDS for PostgreSQL automatically or with minimal changes.

24 (4%) database storage object(s) require 26 complex user action(s) to complete the conversion.

36 (47%) database code object(s) require 134 complex user action(s) to complete the conversion.

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Figure: Conversion statistics for database storage objects

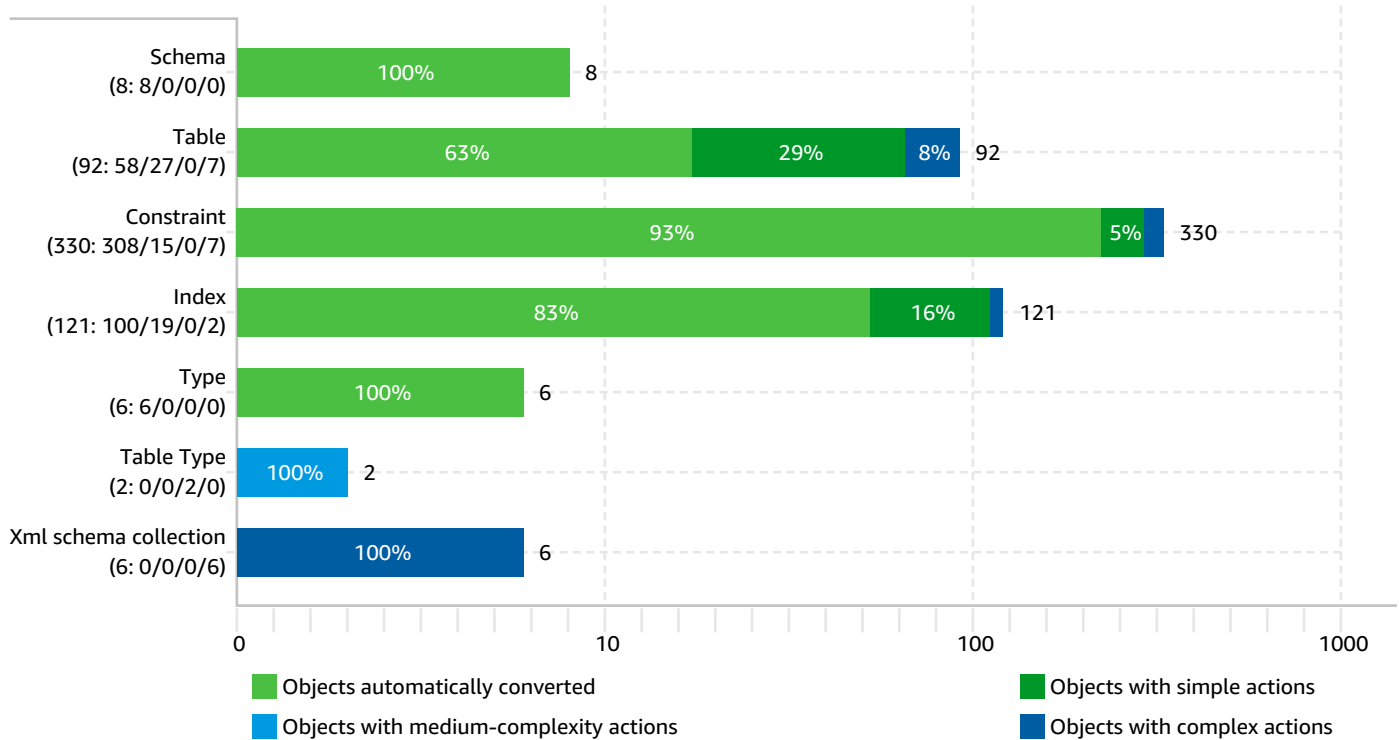
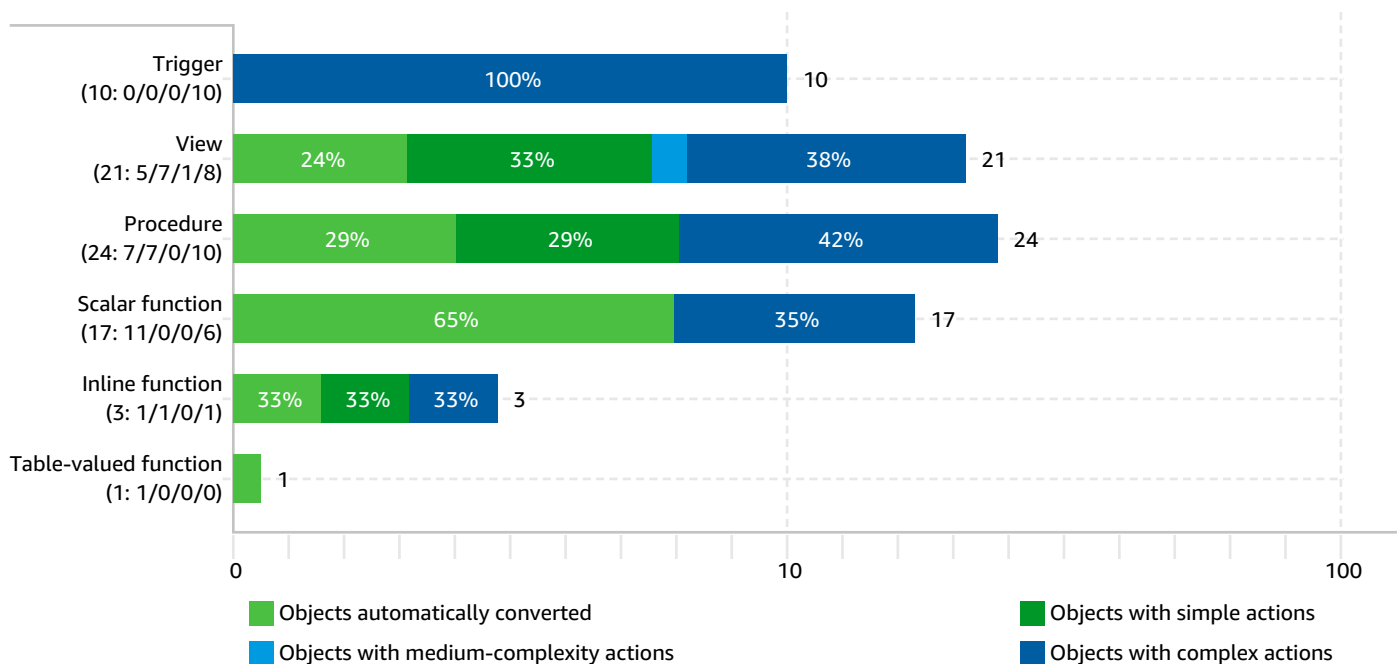


Figure: Conversion statistics for database code objects



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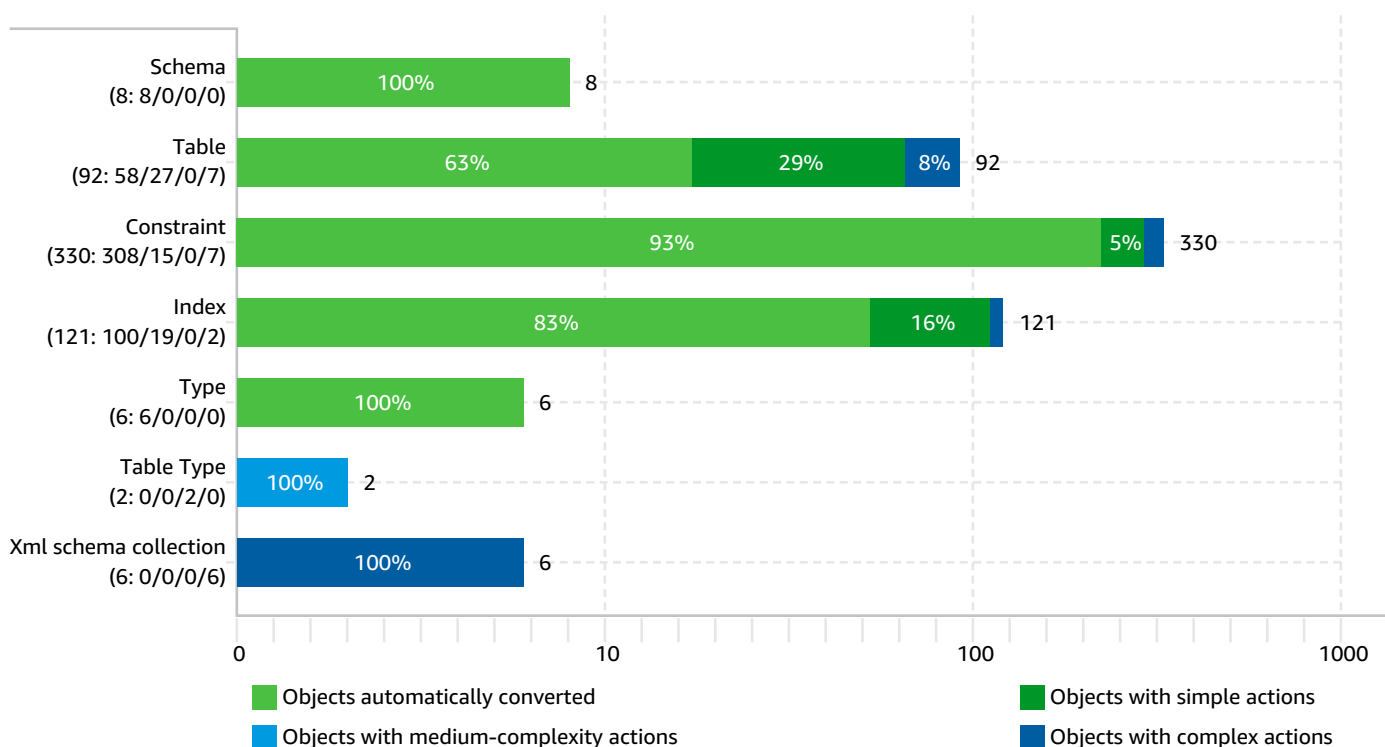
## Database objects with conversion actions for Amazon Aurora (PostgreSQL compatible)

Of the total 565 database storage object(s) and 76 database code object(s) in the source database, we identified 541 (96%) database storage object(s) and 40 (53%) database code object(s) that can be converted to Amazon Aurora (PostgreSQL compatible) automatically or with minimal changes.

24 (4%) database storage object(s) require 26 complex user action(s) to complete the conversion.

36 (47%) database code object(s) require 134 complex user action(s) to complete the conversion.

Figure: Conversion statistics for database storage objects



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Source database: AdventureWorks2016\_EXT.SQL Server

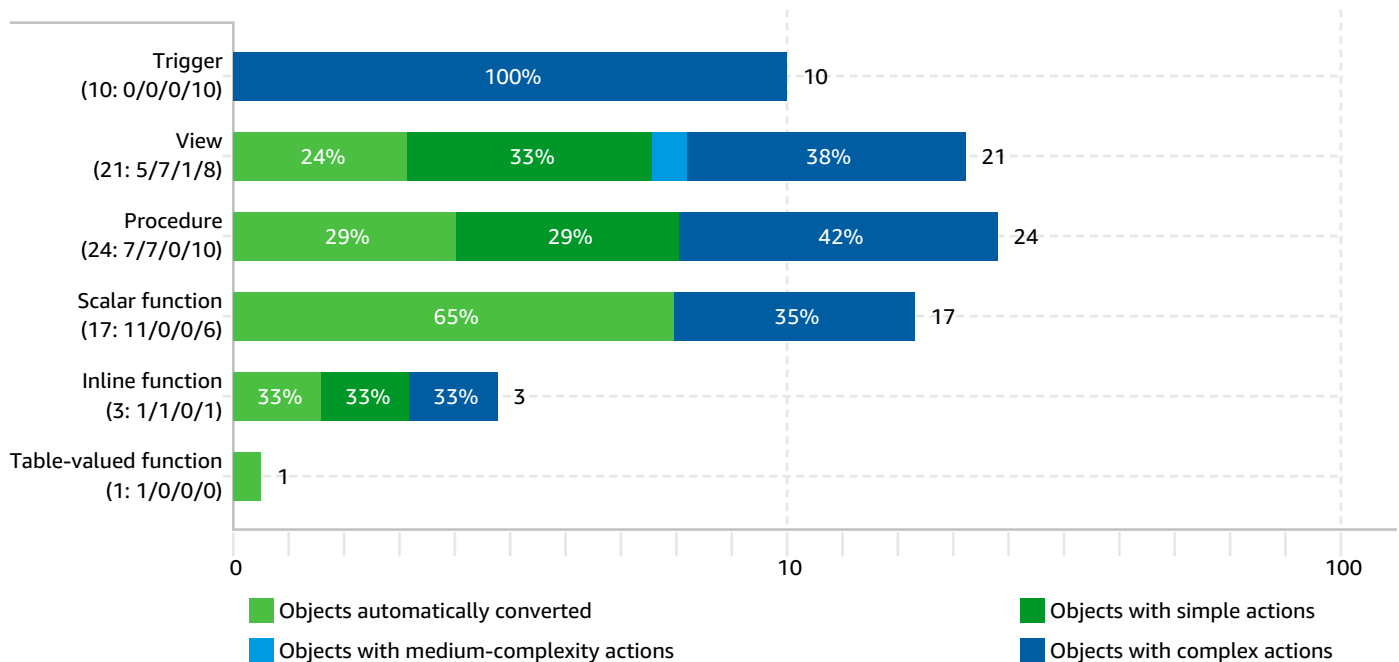
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Case sensitivity: OFF

Figure: Conversion statistics for database code objects



## Database objects with conversion actions for Amazon RDS for MariaDB

Of the total 565 database storage object(s) and 76 database code object(s) in the source database, we identified 544 (96%) database storage object(s) and 37 (49%) database code object(s) that can be converted to Amazon RDS for MariaDB automatically or with minimal changes.

21 (4%) database storage object(s) require 17 complex user action(s) to complete the conversion.

39 (51%) database code object(s) require 129 complex user action(s) to complete the conversion.



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Case sensitivity: OFF

Figure: Conversion statistics for database storage objects

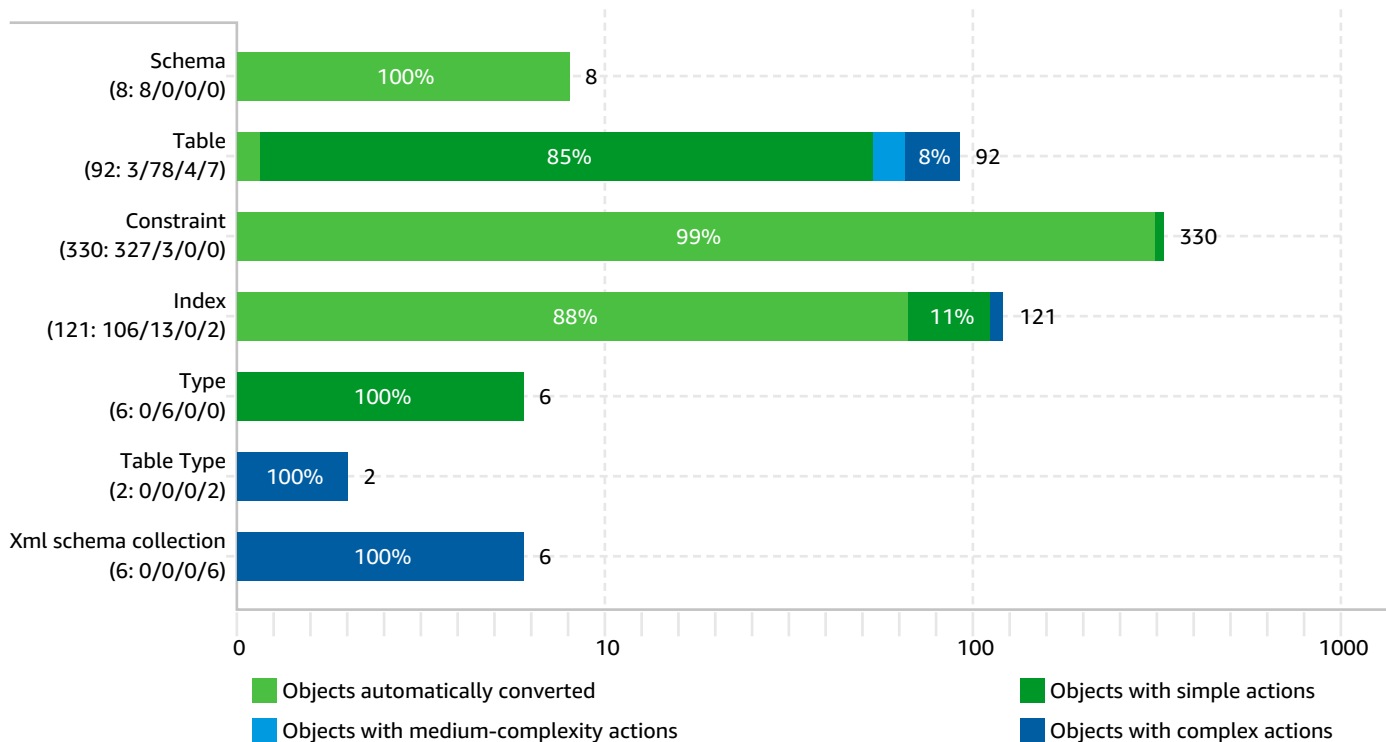
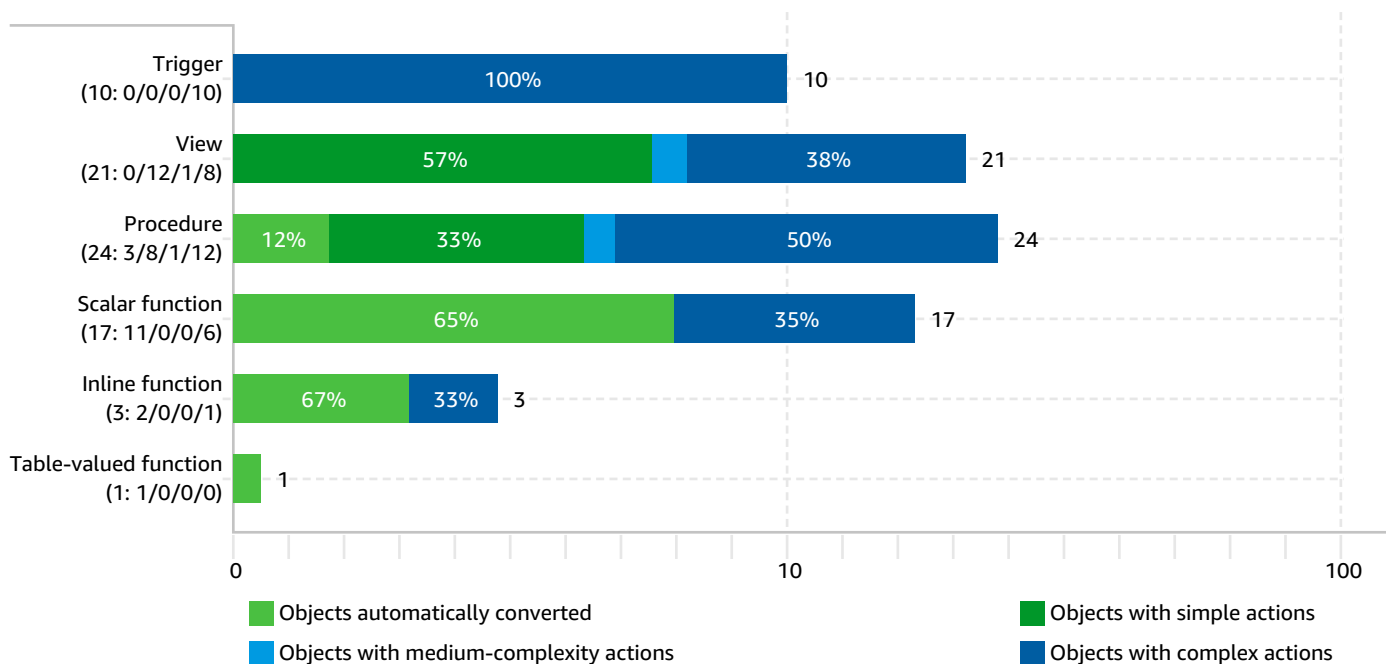


Figure: Conversion statistics for database code objects



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Case sensitivity: OFF

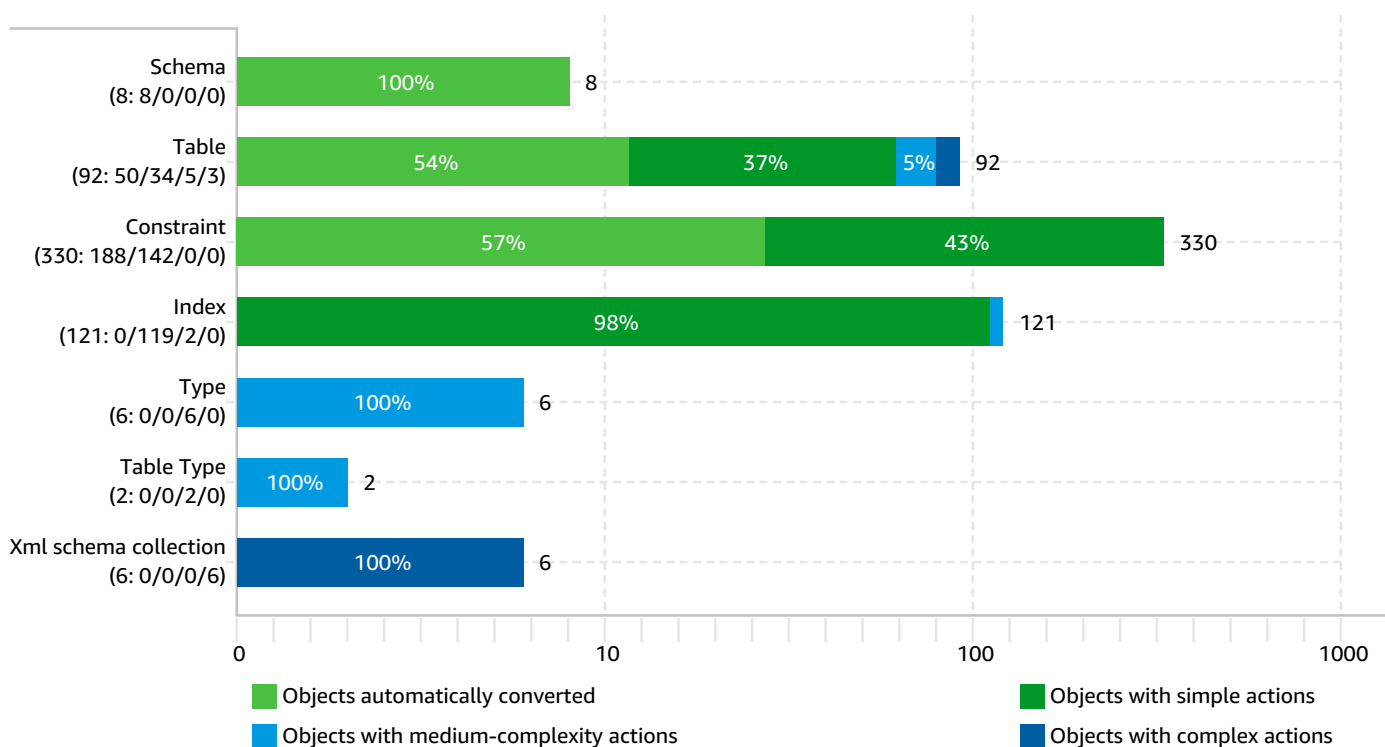
## Database objects with conversion actions for Amazon Redshift

Of the total 565 database storage object(s) and 76 database code object(s) in the source database, we identified 541 (96%) database storage object(s) and 33 (43%) database code object(s) that can be converted to Amazon Redshift automatically or with minimal changes.

24 (4%) database storage object(s) require 10 medium and 9 complex user action(s) to complete the conversion.

43 (57%) database code object(s) require 26 medium and 21 complex user action(s) to complete the conversion.

Figure: Conversion statistics for database storage objects



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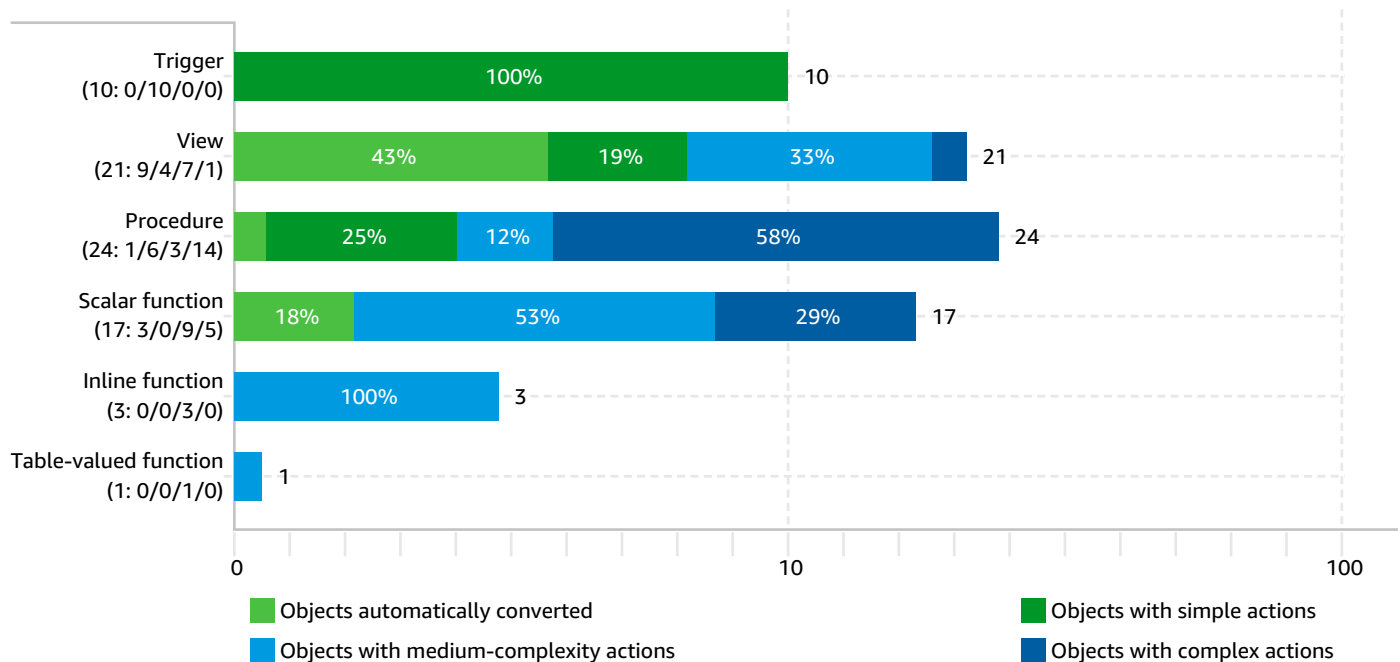
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Case sensitivity: OFF

Figure: Conversion statistics for database code objects



## Database objects with conversion actions for Babelfish for Aurora PostgreSQL

Of the total 565 database storage object(s) and 76 database code object(s) in the source database, we identified 504 (89%) database storage object(s) and 35 (46%) database code object(s) that can be converted to Babelfish for Aurora PostgreSQL automatically or with minimal changes.

61 (11%) database storage object(s) require 70 complex user action(s) to complete the conversion.

41 (54%) database code object(s) require 178 complex user action(s) to complete the conversion.

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Case sensitivity: OFF

Figure: Conversion statistics for database storage objects

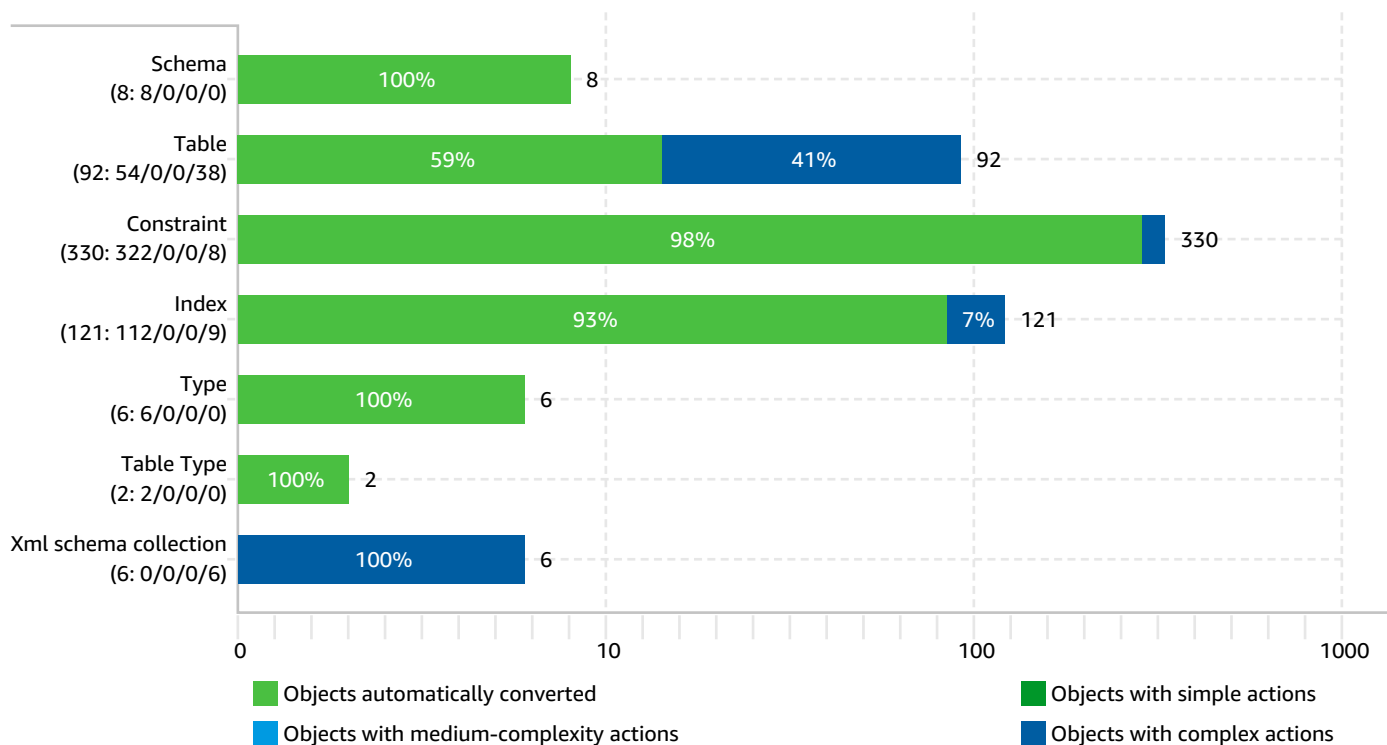
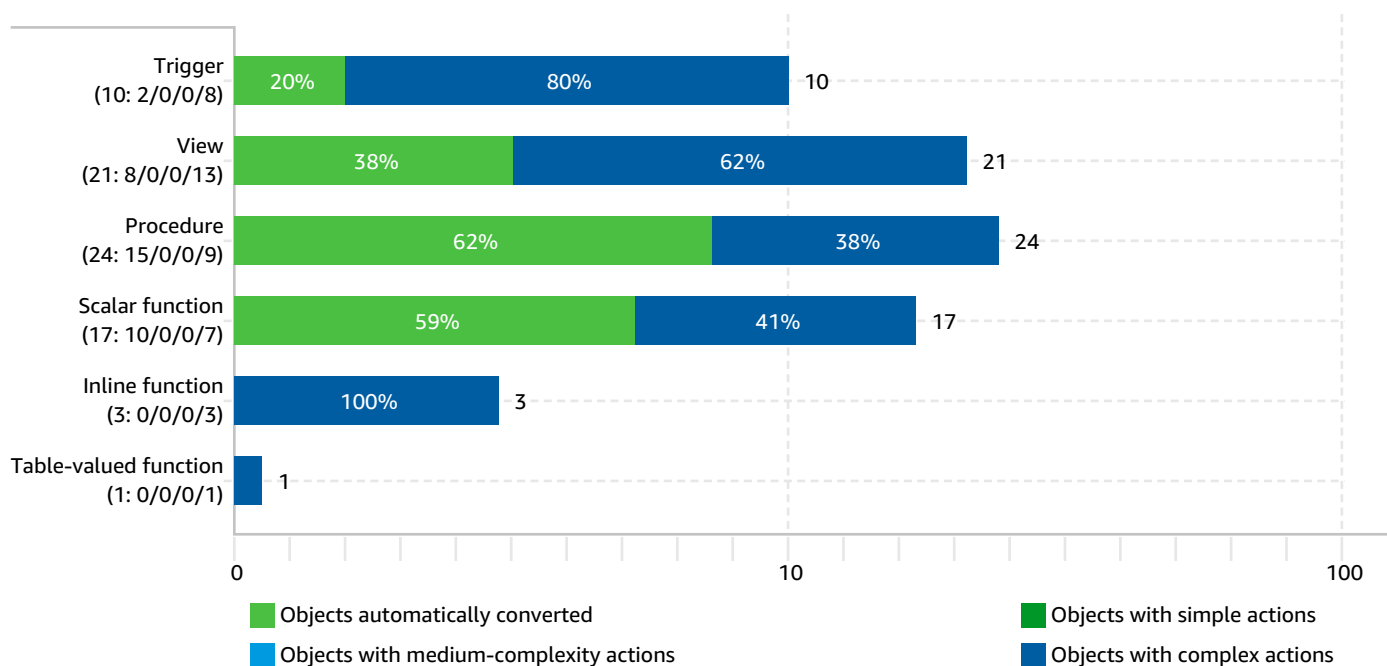


Figure: Conversion statistics for database code objects



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## Detailed recommendations for Amazon RDS for MySQL migrations

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

### Storage object actions

### Table Changes

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

#### ! Issue 696: MySQL doesn't support identity columns with seed and increment

Recommended action: Convert your source code manually.

Issue code: 696 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.TransactionHistory.Columns.TransactionID

#### ! Issue 706: AWS SCT can't convert unsupported data types

Recommended action: Convert your source code manually to make sure that you use a compatible data type in MySQL or a composite data type.

Issue code: 706 | Number of occurrences: 5 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/data-types.html>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationNode

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organiza...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Columns.O...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentNode

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductDocument.Columns.DocumentNode

#### ! Issue 794: MySQL doesn't support user-defined data types. AWS SCT replaced user-defined data types with MySQL data types

Recommended action: Review the converted code and change it where necessary.

Issue code: 794 | Number of occurrences: 59 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Department.Columns.GroupName

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Department.Columns.Name

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.CurrentFlag

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.SalariedFlag

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Shift.Columns.Name

+54 more

#### ! Issue 844: AWS SCT expanded fractional seconds support for TIME, DATETIME2, and DATETIMEOFFSET values with up to 6 digits of precision

Recommended action: Review the converted code and change it where necessary.

Issue code: 844 | Number of occurrences: 38 | Estimated complexity: Simple

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Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/data-types.html>

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderHeaderSeed.Columns.DueDate  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.ValidFro...  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.ValidTo  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Columns.V...  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Columns.V...  
+33 more

## Issue 708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 708 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationLevel  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organizat...  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentLevel

## Issue 811: AWS SCT can't convert functions

Recommended action: Revise your code to use a user-defined function, and try again.

Issue code: 811 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderHeader.Columns.SalesOrderNumber  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrder\_json.Columns.SalesOrderNumber

## Constraint Changes

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

## Issue 601: MySQL doesn't support including BLOB and TEXT columns in foreign keys

Recommended action: Revise your code to use another data type of column, and try again.

Issue code: 601 | Number of occurrences: 1 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/create-table.html>

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductDocument.Constraints.FK\_Product...

## Issue 602: MySQL has reached the limit of the internal InnoDB maximum key length

Recommended action: Revise your code to specify the index prefix length for indexes on BLOB and TEXT columns, and try again.

Issue code: 602 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/create-table.html>

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Constraints.PK\_Document\_Docum...  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductDocument.Constraints.PK\_ProductD...

## Index Changes

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Case sensitivity: OFF

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

## ❗ Issue 602: MySQL has reached the limit of the internal InnoDB maximum key length

Recommended action: Revise your code to specify the index prefix length for indexes on BLOB and TEXT columns, and try again.

Issue code: 602 | Number of occurrences: 3 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/create-table.html>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Indexes.IX\_Employee\_Organiz...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Indexes.IX\_Employee\_Organi...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Indexes.AK\_Document\_Document...

## ❗ Issue 681: MySQL doesn't support clustered indexes

Recommended action: Revise your code to use nonclustered indexes, and try again.

Issue code: 681 | Number of occurrences: 3 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Indexes.ix...

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_Temporal\_History.Indexes.ix\_Person\_Temp...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.BillOfMaterials.Indexes.AK\_BillOfMaterials\_...

## ❗ Issue 682: MySQL doesn't support the INCLUDE clause in indexes

Recommended action: Convert your source code manually.

Issue code: 682 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductReview.Indexes.IX\_ProductReview\_P...

## ❗ Issue 684: MySQL doesn't support the WITH clause in indexes

Recommended action: Revise your code to avoid using WITH, and try again.

Issue code: 684 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderDetailSeed.Indexes.IX\_OrderID

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_Name

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_ProductNumber

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_ProductID

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_SalesOrderID

+3 more

## ➖ Issue 926: AWS SCT can't convert indexed views

Recommended action: Convert your source code manually.

Issue code: 926 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion.Indexes.IX\_vStatePr...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription.Indexes.IX\_vProductAn...

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Case sensitivity: OFF

## Type Changes

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

### ! Issue 794: MySQL doesn't support user-defined data types. AWS SCT replaced user-defined data types with MySQL data types

Recommended action: Review the converted code and change it where necessary.

Issue code: 794 | Number of occurrences: 6 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.AccountNumber

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.Flag

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.Name

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.NameStyle

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.OrderNumber

+1 more

## Table Type Changes

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

### – Issue 690: MySQL doesn't support table types

Recommended action: Convert your source code manually.

Issue code: 690 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table types.SalesOrderDetailType\_inmem

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table types.SalesOrderDetailType\_ondisk

## Xml schema collection Changes

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

### – Issue 9994: Unable to convert objects

Recommended action: Perform manual conversion.

Issue code: 9994 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.XML Schema

Collections.HRRResumeSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema

Collections.AdditionalContactInfoSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema

Collections.IndividualSurveySchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema

Collections.ManulInstructionsSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema

Collections.ProductDescriptionSchemaCollection

+1 more

## Code object actions



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## Trigger Changes

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

### Issue 686: MySQL doesn't support triggers with the FOR STATEMENT clause

Recommended action: Convert your source code manually.

Issue code: 686 | Number of occurrences: 10 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Triggers.dEmployee

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderD...

+5 more

## View Changes

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

### Issue 634: MySQL doesn't support SCHEMABINDING clauses

Recommended action: Revise your code to avoid using SCHEMABINDING and try again.

Issue code: 634 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/create-view.html>

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription

### Issue 794: MySQL doesn't support user-defined data types. AWS SCT replaced user-defined data types with MySQL data types

Recommended action: Review the converted code and change it where necessary.

Issue code: 794 | Number of occurrences: 71 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.CountryRegionNam...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.FirstName

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.LastName

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.MiddleName

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.PhoneNumber

+66 more

### Issue 905: MySQL doesn't support PIVOT clauses for SELECT statements

Recommended action: Revise your code to use a stored procedure to prepare data, and a view to return it, and try again.

Issue code: 905 | Number of occurrences: 1 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/create-view.html>

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Views.vSalesPersonSalesByFiscalYears: Line 30:964

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

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Case sensitivity: OFF

## ❗ 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: 30 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:132  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:136  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:342  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:346  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 11:549  
+25 more

## ➖ Issue 708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 708 | Number of occurrences: 90 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 35:2941  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 6:103  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 8:325  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 10:571  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 12:787  
+85 more

## Procedure Changes

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

## ❗ Issue 673: AWS SCT can't convert statements

Recommended action: Convert your source code manually.

Issue code: 673 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 11:248  
Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 61:1251  
Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 64:1310  
Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 91:1885  
Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 94:1945  
+3 more

## ❗ Issue 706: AWS SCT can't convert unsupported data types

Recommended action: Convert your source code manually to make sure that you use a compatible data type in MySQL or a composite data type.

Issue code: 706 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/data-types.html>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line

# Database migration assessment report



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Case sensitivity: OFF

16:402

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin.Paramet...

## ! Issue 733: MySQL doesn't support PRINT procedures

Recommended action: Revise your code to use INSERT in the log table, and try again.

Issue code: 733 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 27:1012

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 57:1932

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspPrintError: Line 12:389

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspPrintError: Line 17:699

## ! Issue 794: MySQL doesn't support user-defined data types. AWS SCT replaced user-defined data types with MySQL data types

Recommended action: Review the converted code and change it where necessary.

Issue code: 794 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo.Param...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin.Paramete...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_inmem.Parameters.@Sale...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk.Parameters.@Sale...

## ! Issue 810: MySQL doesn't support SET NOCOUNT statements

Recommended action: Revise your code to use another way to send message back to the application, and try again.

Issue code: 810 | Number of occurrences: 13 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 13:317

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 12:294

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeePersonalInfo: Line 11:269

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 16:549

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetBillOfMaterials: Line 7:124

+8 more

## ! Issue 826: AWS SCT can't convert the default value of the DateTime variable

Recommended action: Review the converted code to make sure that you set the default value of the DateTime variable.

Issue code: 826 | Number of occurrences: 3 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 23:674

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_native: Line 15:393

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_ondisk: Line 15:484

# Database migration assessment report



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Case sensitivity: OFF

## ❗ Issue 837: MySQL uses a different approach to handle errors compared to the source code

Recommended action: Review the converted code and change it where necessary.

Issue code: 837 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_inmem: Line 38:1029

## ❗ Issue 844: AWS SCT expanded fractional seconds support for TIME, DATETIME2, and DATETIMEOFFSET values with up to 6 digits of precision

Recommended action: Review the converted code and change it where necessary.

Issue code: 844 | Number of occurrences: 9 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/data-types.html>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_GetEmployee\_Person\_Info\_AsO...  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_inmem.Parameters.@Du...  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 23:664  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk.Parameters.@Du...  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_inmem.Parame...  
+4 more

## ❗ 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: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 27:767  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 29:1009  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 35:1231  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 37:1467  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 43:1685  
+3 more

## ➖ Issue 708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 708 | Number of occurrences: 8 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 20:969  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 26:1308  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 29:1556  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 32:1752  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 20:927  
+3 more

## ➖ Issue 811: AWS SCT can't convert functions

# Database migration assessment report



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Case sensitivity: OFF

Recommended action: Revise your code to use a user-defined function, and try again.

Issue code: 811 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 36:1041

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 43:1382

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 44:1587

## Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 11 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 61:1246

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 9:229

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 134:2890

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_GetEmployee\_Person\_Info\_AsOf...  
Line 13:383

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_native: Line 11:274

+6 more

## Scalar function Changes

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

## Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingEndDate\_native: Line 6:122

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate\_native:  
Line 6:126

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetDocumentStatusText\_native:  
Line 6:140

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar  
functions.ufnGetPurchaseOrderStatusText\_native: Line 6:145

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetSalesOrderStatusText\_native:  
Line 6:142

+1 more

## Inline function Changes

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

## Issue 811: AWS SCT can't convert functions

Recommended action: Revise your code to use a user-defined function, and try again.

Issue code: 811 | Number of occurrences: 1 | Estimated complexity: Complex

# Database migration assessment report



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderHeader\_extended\_inmem:  
Line 27:576

## Detailed recommendations for Amazon Aurora (MySQL compatible) migrations

If you migrate your Microsoft SQL Server database to Amazon Aurora (MySQL compatible), we recommend the following actions.

### Storage object actions

### Table Changes

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

#### ! Issue 696: MySQL doesn't support identity columns with seed and increment

Recommended action: Convert your source code manually.

Issue code: 696 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.TransactionHistory.Columns.TransactionID

#### ! Issue 706: AWS SCT can't convert unsupported data types

Recommended action: Convert your source code manually to make sure that you use a compatible data type in MySQL or a composite data type.

Issue code: 706 | Number of occurrences: 5 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/data-types.html>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationNode

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organiza...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Columns.O...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentNode

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductDocument.Columns.DocumentNode

#### ! Issue 794: MySQL doesn't support user-defined data types. AWS SCT replaced user-defined data types with MySQL data types

Recommended action: Review the converted code and change it where necessary.

Issue code: 794 | Number of occurrences: 59 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Department.Columns.GroupName

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Department.Columns.Name

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.CurrentFlag

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.SalariedFlag

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Shift.Columns.Name

+54 more



# Database migration assessment report



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Case sensitivity: OFF

## ❗ Issue 844: AWS SCT expanded fractional seconds support for TIME, DATETIME2, and DATETIMEOFFSET values with up to 6 digits of precision

Recommended action: Review the converted code and change it where necessary.

Issue code: 844 | Number of occurrences: 38 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/data-types.html>

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderHeaderSeed.Columns.DueDate  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.ValidFro...  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.ValidTo  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Columns.V...  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Columns.V...  
+33 more

## ⚠ Issue 708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 708 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationLevel  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organizat...  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentLevel

## ⚠ Issue 811: AWS SCT can't convert functions

Recommended action: Revise your code to use a user-defined function, and try again.

Issue code: 811 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderHeader.Columns.SalesOrderNumber  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrder\_json.Columns.SalesOrderNumber

## Constraint Changes

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

## ❗ Issue 601: MySQL doesn't support including BLOB and TEXT columns in foreign keys

Recommended action: Revise your code to use another data type of column, and try again.

Issue code: 601 | Number of occurrences: 1 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/create-table.html>

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductDocument.Constraints.FK\_Product...

## ❗ Issue 602: MySQL has reached the limit of the internal InnoDB maximum key length

Recommended action: Revise your code to specify the index prefix length for indexes on BLOB and TEXT columns, and try again.

Issue code: 602 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/create-table.html>

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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Constraints.PK\_Document\_Docum...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductDocument.Constraints.PK\_ProductD...

## Index Changes

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

### ❗ Issue 602: MySQL has reached the limit of the internal InnoDB maximum key length

Recommended action: Revise your code to specify the index prefix length for indexes on BLOB and TEXT columns, and try again.

Issue code: 602 | Number of occurrences: 3 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/create-table.html>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Indexes.IX\_Employee\_Organiz...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Indexes.IX\_Employee\_Organi...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Indexes.AK\_Document\_Document...

### ❗ Issue 681: MySQL doesn't support clustered indexes

Recommended action: Revise your code to use nonclustered indexes, and try again.

Issue code: 681 | Number of occurrences: 3 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Indexes.ix...

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_Temporal\_History.Indexes.ix\_Person\_Temp...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.BillOfMaterials.Indexes.AK\_BillOfMaterials\_...

### ❗ Issue 682: MySQL doesn't support the INCLUDE clause in indexes

Recommended action: Convert your source code manually.

Issue code: 682 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductReview.Indexes.IX\_ProductReview\_P...

### ❗ Issue 684: MySQL doesn't support the WITH clause in indexes

Recommended action: Revise your code to avoid using WITH, and try again.

Issue code: 684 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderDetailSeed.Indexes.IX\_OrderID

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_Name

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_ProductNumber

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_ProductID

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_SalesOrderID

+3 more

### ➖ Issue 926: AWS SCT can't convert indexed views

Recommended action: Convert your source code manually.



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Case sensitivity: OFF

Issue code: 926 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion.Indexes.IX\_vStatePr...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription.Indexes.IX\_vProductAn...

## Type Changes

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

### **Issue 794: MySQL doesn't support user-defined data types. AWS SCT replaced user-defined data types with MySQL data types**

Recommended action: Review the converted code and change it where necessary.

Issue code: 794 | Number of occurrences: 6 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.AccountNumber

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.Flag

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.Name

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.NameStyle

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.OrderNumber

+1 more

## Table Type Changes

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

### **Issue 690: MySQL doesn't support table types**

Recommended action: Convert your source code manually.

Issue code: 690 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table types.SalesOrderDetailType\_inmem

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table types.SalesOrderDetailType\_ondisk

## Xml schema collection Changes

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

### **Issue 9994: Unable to convert objects**

Recommended action: Perform manual conversion.

Issue code: 9994 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.XML Schema

Collections.HRResumeSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema

Collections.AdditionalContactInfoSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema

Collections.IndividualSurveySchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema

Collections.ManulInstructionsSchemaCollection

# Database migration assessment report



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema

Collections.ProductDescriptionSchemaCollection

+1 more

## Code object actions

### Trigger Changes

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

#### Issue 686: MySQL doesn't support triggers with the FOR STATEMENT clause

Recommended action: Convert your source code manually.

Issue code: 686 | Number of occurrences: 10 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Triggers.dEmployee

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderD...

+5 more

### View Changes

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

#### Issue 634: MySQL doesn't support SCHEMABINDING clauses

Recommended action: Revise your code to avoid using SCHEMABINDING and try again.

Issue code: 634 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/create-view.html>

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription

#### Issue 794: MySQL doesn't support user-defined data types. AWS SCT replaced user-defined data types with MySQL data types

Recommended action: Review the converted code and change it where necessary.

Issue code: 794 | Number of occurrences: 71 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.CountryRegionNam...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.FirstName

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.LastName

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.MiddleName

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.PhoneNumber

+66 more

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

Version: Microsoft SQL Server 2016 (SP3-GDR) (KB5014355) - 13.0.6419.1 (X64) May 29 2022 21:05:29

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Case sensitivity: OFF

## ! Issue 905: MySQL doesn't support PIVOT clauses for SELECT statements

Recommended action: Revise your code to use a stored procedure to prepare data, and a view to return it, and try again.

Issue code: 905 | Number of occurrences: 1 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/create-view.html>

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Views.vSalesPersonSalesByFiscalYears: Line 30:964

## ! 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: 30 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:132

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:136

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:342

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:346

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 11:549

+25 more

## – Issue 708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 708 | Number of occurrences: 90 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 35:2941

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 6:103

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 8:325

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 10:571

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 12:787

+85 more

## Procedure Changes

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

## ! Issue 673: AWS SCT can't convert statements

Recommended action: Convert your source code manually.

Issue code: 673 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 11:248

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 61:1251

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 64:1310

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 91:1885

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 94:1945

+3 more

# Database migration assessment report



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Case sensitivity: OFF

## ! Issue 706: AWS SCT can't convert unsupported data types

Recommended action: Convert your source code manually to make sure that you use a compatible data type in MySQL or a composite data type.

Issue code: 706 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/data-types.html>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 16:402

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin.Paramet...

## ! Issue 733: MySQL doesn't support PRINT procedures

Recommended action: Revise your code to use INSERT in the log table, and try again.

Issue code: 733 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 27:1012

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 57:1932

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspPrintError: Line 12:389

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspPrintError: Line 17:699

## ! Issue 794: MySQL doesn't support user-defined data types. AWS SCT replaced user-defined data types with MySQL data types

Recommended action: Review the converted code and change it where necessary.

Issue code: 794 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo.Param...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin.Paramete...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_inmem.Parameters.@Sale...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk.Parameters.@Sale...

## ! Issue 810: MySQL doesn't support SET NOCOUNT statements

Recommended action: Revise your code to use another way to send message back to the application, and try again.

Issue code: 810 | Number of occurrences: 13 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 13:317

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 12:294

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeePersonalInfo: Line 11:269

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 16:549

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetBillOfMaterials: Line 7:124

+8 more

## ! Issue 826: AWS SCT can't convert the default value of the DateTime variable

Recommended action: Review the converted code to make sure that you set the default value of the DateTime

# Database migration assessment report



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Case sensitivity: OFF

variable.

Issue code: 826 | Number of occurrences: 3 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 23:674

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_native: Line 15:393

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_ondisk: Line 15:484

## ❗ Issue 837: MySQL uses a different approach to handle errors compared to the source code

Recommended action: Review the converted code and change it where necessary.

Issue code: 837 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_inmem: Line 38:1029

## ❗ Issue 844: AWS SCT expanded fractional seconds support for TIME, DATETIME2, and DATETIMEOFFSET values with up to 6 digits of precision

Recommended action: Review the converted code and change it where necessary.

Issue code: 844 | Number of occurrences: 9 | Estimated complexity: Simple

Documentation references: <https://dev.mysql.com/doc/refman/8.0/en/data-types.html>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_GetEmployee\_Person\_Info\_AsO...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_inmem.Parameters.@Du...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 23:664

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk.Parameters.@Du...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_inmem.Parame...

+4 more

## ❗ 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: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 27:767

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 29:1009

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 35:1231

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 37:1467

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 43:1685

+3 more

## ➖ Issue 708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 708 | Number of occurrences: 8 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 20:969

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 26:1308

# Database migration assessment report



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 29:1556

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 32:1752

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 20:927

+3 more

## Issue 811: AWS SCT can't convert functions

Recommended action: Revise your code to use a user-defined function, and try again.

Issue code: 811 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 36:1041

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 43:1382

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 44:1587

## Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 11 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 61:1246

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 9:229

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 134:2890

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_GetEmployee\_Person\_Info\_AsOf...  
Line 13:383

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_native: Line 11:274

+6 more

## Scalar function Changes

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

## Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingEndDate\_native: Line 6:122

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate\_native:  
Line 6:126

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetDocumentStatusText\_native:  
Line 6:140

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar  
functions.ufnGetPurchaseOrderStatusText\_native: Line 6:145

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetSalesOrderStatusText\_native:  
Line 6:142

+1 more

## Inline function Changes



# Database migration assessment report



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Case sensitivity: OFF

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

## Issue 811: AWS SCT can't convert functions

Recommended action: Revise your code to use a user-defined function, and try again.

Issue code: 811 | Number of occurrences: 1 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderHeader\_extended\_inmem:  
Line 27:576

## 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.

### Storage object actions

### Table Changes

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

## Issue 7679: AWS SCT replaced computed columns with triggers in the converted code

Recommended action: Review the converted code and change it where necessary.

Issue code: 7679 | Number of occurrences: 3 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationLevel  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organizat...  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentLevel

## Issue 7831: Make sure that you install the uuid-osp extension to use the newid() function

Recommended action: Revise your database settings and try again.

Issue code: 7831 | Number of occurrences: 31 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.rowguid: Line 1:1  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Address.Columns.rowguid: Line 1:1  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.AddressType.Columns.rowguid: Line 1:1  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.BusinessEntity.Columns.rowguid: Line 1:1  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.BusinessEntityAddress.Columns.rowguid: Line 1:1  
+26 more

## Issue 7657: PostgreSQL doesn't support the hierarchyid data type

Recommended action: Convert your source code manually to make sure that you store data of the hierarchyid data type using a compatible type in PostgreSQL or a composite type.

Issue code: 7657 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationNode

# Database migration assessment report



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organiza...  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Columns.O...  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentNode  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentNode  
+1 more

## Issue 7708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 7708 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationLevel:

Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organizati...

Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentLevel: Line 1:1

## Issue 7811: AWS SCT can't convert functions

Recommended action: Review the converted code to make sure that the user-defined function produces the same results as the source code.

Issue code: 7811 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderHeader.Columns.SalesOrderNumber: Line 1:14

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrder\_json.Columns.SalesOrderNumber: Line 1:14

## Constraint Changes

Not all constraints 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: 58 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Ge...  
Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Ge...  
Line 1:24

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Mari...  
Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Mari...  
Line 1:31

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Constraints.CK\_Person\_PersonType: Line 1:26

+53 more

## Issue 7939: AWS SCT can't convert the %s JSON system function



# Database migration assessment report



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Case sensitivity: OFF

Recommended action: Revise your code to use a user-defined function, and try again.

Issue code: 7939 | Number of occurrences: 7 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_json.Constraints.AdditionalContactInfo must be formatted as JSON: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_json.Constraints.Demographics must be formatted as JSON: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_json.Constraints.Email addresses must be formatted as JSON array: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_json.Constraints.Phone numbers must be formatted as JSON array: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrder\_json.Constraints.SalesOrder additional information must be formatted as JSON: Line 1:1

+2 more

## Index Changes

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

### ❗ Issue 7681: PostgreSQL doesn't support clustered indexes

Recommended action: Revise your code to use non-clustered indexes and try again.

Issue code: 7681 | Number of occurrences: 3 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Indexes.ix...

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_Temporal\_History.Indexes.ix\_Person\_Temp...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.BillOfMaterials.Indexes.AK\_BillOfMaterials\_...

### ❗ Issue 7784: PostgreSQL doesn't support the STATISTICS\_NORECOMPUTE option in indexes

Recommended action: Revise your code to use indexes without the STATISTICS\_NORECOMPUTE option and try again.

Issue code: 7784 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderDetailSeed.Indexes.IX\_OrderID

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_Name

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_ProductNumber

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_ProductID

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_SalesOrderID

+3 more

### ❗ Issue 7791: PostgreSQL doesn't support the DATA\_COMPRESSION option in indexes

Recommended action: Revise your code to use indexes without the DATA\_COMPRESSION option and try again.

Issue code: 7791 | Number of occurrences: 10 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Indexes.ix...

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Indexes.PXML\_Person\_AddContact

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Indexes.PXML\_Person\_Demographics

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Indexes.XMLPATH\_Person\_Demographics

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Indexes.XMLPROPERTY\_Person\_Demograp...

+5 more

# Database migration assessment report



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Case sensitivity: OFF

## Issue 7937: AWS SCT can't convert indexed views

Recommended action: Convert your source code manually.

Issue code: 7937 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion.Indexes.IX\_vStatePr...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription.Indexes.IX\_vProductAn...

## Table Type Changes

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

## Issue 7689: PostgreSQL doesn't support NOT NULL constraints in user-defined types

Recommended action: Revise your code to use a type without NOT NULL constraints, and try again.

Issue code: 7689 | Number of occurrences: 6 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table

types.SalesOrderDetailType\_inmem.Columns.OrderQty

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table

types.SalesOrderDetailType\_inmem.Columns.ProductID

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table

types.SalesOrderDetailType\_inmem.Columns.SpecialOfferID

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table

types.SalesOrderDetailType\_ondisk.Columns.OrderQty

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table

types.SalesOrderDetailType\_ondisk.Columns.ProductID

+1 more

## Xml schema collection Changes

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

## Issue 9994: Unable to convert objects

Recommended action: Perform manual conversion.

Issue code: 9994 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.XML Schema

Collections.HRRResumeSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema

Collections.AdditionalContactInfoSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema

Collections.IndividualSurveySchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema

Collections.ManulInstructionsSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema

Collections.ProductDescriptionSchemaCollection

+1 more

# Database migration assessment report



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Case sensitivity: OFF

## Code object actions

### Trigger Changes

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

#### **Issue 7807: AWS SCT can't convert the transaction management command**

Recommended action: Convert your source code manually.

Issue code: 7807 | Number of occurrences: 7 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder: Line 37:913

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder: Line 38:1005

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderDe...  
Line 50:1869

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.uPurchaseOrderD...  
Line 62:2559

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderHeader.Triggers.uPurchaseOrde...  
Line 31:987

+2 more

#### **Issue 7833: AWS SCT can't convert the @@rowcount function in the current context**

Recommended action: Convert your source code manually.

Issue code: 7833 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 7:157

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder: Line 7:142

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder: Line 7:142

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderDe...  
Line 7:161

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.uPurchaseOrderD...  
Line 7:162

+3 more

#### **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: 10 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 16:361

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 16:370

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 20:636

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 20:645

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 29:1123

+5 more

#### **Issue 7708: AWS SCT can't convert the usage of an unsupported data type**

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

Version: Microsoft SQL Server 2016 (SP3-GDR) (KB5014355) - 13.0.6419.1 (X64) May 29 2022 21:05:29

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Case sensitivity: OFF

Recommended action: Convert your source code manually.

Issue code: 7708 | Number of occurrences: 4 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 24:803

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 31:1253

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail.Triggers.iduSalesOrderDetail: Line 39:1285

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail.Triggers.iduSalesOrderDetail: Line 61:2619

## Issue 7809: PostgreSQL does not support INSTEAD OF triggers on tables

Recommended action: Convert your source code manually.

Issue code: 7809 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Triggers.dEmployee

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.Vendor.Triggers.dVendor

## Issue 7811: AWS SCT can't convert functions

Recommended action: Review the converted code to make sure that the user-defined function produces the same results as the source code.

Issue code: 7811 | Number of occurrences: 7 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder: Line 35:869

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder: Line 36:961

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderDe...  
Line 48:1825

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.uPurchaseOrderD...  
Line 60:2515

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderHeader.Triggers.uPurchaseOrde...  
Line 29:943

+2 more

## View Changes

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

## Issue 7634: PostgreSQL doesn't support SCHEMABINDING clauses

Recommended action: Revise your code to avoid using SCHEMABINDING and try again.

Issue code: 7634 | Number of occurrences: 2 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription

## 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: 6 | Estimated complexity: Simple

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

Version: Microsoft SQL Server 2016 (SP3-GDR) (KB5014355) - 13.0.6419.1 (X64) May 29 2022 21:05:29

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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee: Line 33:956  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion: Line 15:403  
Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Views.vVendorWithAddresses: Line 21:669  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Views.vIndividualCustomer: Line 31:861  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Views.vSalesPerson: Line 39:1136  
+1 more

## ❗ Issue 7905: PostgreSQL doesn't support PIVOT clauses for SELECT statements

Recommended action: Revise your code to use a stored procedure to prepare data, and a view to return it, and try again.

Issue code: 7905 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Views.vSalesPersonSalesByFiscalYears: Line 30:964

## ❗ 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: 30 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:132  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:136  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:342  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:346  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 11:549  
+25 more

## ➖ Issue 7708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 7708 | Number of occurrences: 90 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 35:2941  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 6:103  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 8:325  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 10:571  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 12:787  
+85 more

## Procedure Changes

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

## ❗ Issue 7608: AWS SCT replaced the SET IDENTITY\_INSERT property with the OCERRIDING SYSTEM VALUE clause

Recommended action: Review the converted code and change it where necessary.

Issue code: 7608 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 11:244

# Database migration assessment report



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 61:1247  
Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 64:1306  
Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 91:1881  
Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 94:1941  
+3 more

## ❗ 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: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetOrderTrackingByTrackingNumber: Line 30:745

## ❗ Issue 7807: AWS SCT can't convert the transaction management command

Recommended action: Convert your source code manually.

Issue code: 7807 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 19:457  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 16:355  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 38:1085  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 21:628  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_inmem: Line 42:1153  
+3 more

## ❗ Issue 7938: AWS SCT can't convert OPTION clauses

Recommended action: Convert your source code manually.

Issue code: 7938 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetBillOfMaterials: Line 36:2125  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 33:1797  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 33:1752  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetWhereUsedProductID: Line 34:2023

## ❗ 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: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 27:767  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 29:1009  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 35:1231  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 37:1467  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 43:1685  
+3 more



# Database migration assessment report



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Case sensitivity: OFF

## Issue 7657: PostgreSQL doesn't support the hierarchyid data type

Recommended action: Convert your source code manually to make sure that you store data of the hierarchyid data type using a compatible type in PostgreSQL or a composite type.

Issue code: 7657 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 16:381

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 9:241

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 9:241

## Issue 7706: AWS SCT can't convert the declaration of a variable of an unsupported data type

Recommended action: Convert your source code manually to make sure that you use a compatible PostgreSQL data type or a composite data type.

Issue code: 7706 | Number of occurrences: 1 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 16:402

## Issue 7708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 7708 | Number of occurrences: 8 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 20:969

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 26:1308

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 29:1556

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 32:1752

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 20:927

+3 more

## Issue 7811: AWS SCT can't convert functions

Recommended action: Review the converted code to make sure that the user-defined function produces the same results as the source code.

Issue code: 7811 | Number of occurrences: 5 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 36:1041

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 30:916

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 43:1382

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 44:1587

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 20:513

## Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

# Database migration assessment report



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Case sensitivity: OFF

Issue code: 9996 | Number of occurrences: 7 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 61:1246

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_GetEmployee\_Person\_Info\_AsOf...  
Line 13:383

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_native: Line  
11:274

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 27:779

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 35:1243  
+2 more

## Scalar function Changes

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

### Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingEndDate\_native: Line  
6:122

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate\_native:  
Line 6:126

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetDocumentStatusText\_native:  
Line 6:140

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar  
functions.ufnGetPurchaseOrderStatusText\_native: Line 6:145

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetSalesOrderStatusText\_native:  
Line 6:142

+1 more

## Inline function Changes

Not all inline functions 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: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Security.SQL inline functions.customerAccessPredicate: Line  
10:269

### Issue 7811: AWS SCT can't convert functions

Recommended action: Review the converted code to make sure that the user-defined function produces the same results as the source code.

Issue code: 7811 | Number of occurrences: 1 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderHeader\_extended\_inmem:  
Line 27:576



# Database migration assessment report



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Case sensitivity: OFF

## Detailed recommendations for Amazon Aurora (PostgreSQL compatible) migrations

If you migrate your Microsoft SQL Server database to Amazon Aurora (PostgreSQL compatible), we recommend the following actions.

### Storage object actions

### Table Changes

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

#### ! Issue 7679: AWS SCT replaced computed columns with triggers in the converted code

Recommended action: Review the converted code and change it where necessary.

Issue code: 7679 | Number of occurrences: 3 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationLevel

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organizat...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentLevel

#### ! Issue 7831: Make sure that you install the uuid-oss extension to use the newid() function

Recommended action: Revise your database settings and try again.

Issue code: 7831 | Number of occurrences: 31 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.rowguid: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Address.Columns.rowguid: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.AddressType.Columns.rowguid: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.BusinessEntity.Columns.rowguid: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.BusinessEntityAddress.Columns.rowguid: Line 1:1

+26 more

#### – Issue 7657: PostgreSQL doesn't support the hierarchyid data type

Recommended action: Convert your source code manually to make sure that you store data of the hierarchyid data type using a compatible type in PostgreSQL or a composite type.

Issue code: 7657 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationNode

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organiza...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Columns.O...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentNode

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentNode

+1 more

#### – Issue 7708: AWS SCT can't convert the usage of an unsupported data type

# Database migration assessment report



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Case sensitivity: OFF

Recommended action: Convert your source code manually.

Issue code: 7708 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationLevel:  
Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organizati...  
Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentLevel: Line 1:1

## ➔ Issue 7811: AWS SCT can't convert functions

Recommended action: Review the converted code to make sure that the user-defined function produces the same results as the source code.

Issue code: 7811 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderHeader.Columns.SalesOrderNumber: Line 1:14

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrder\_json.Columns.SalesOrderNumber: Line 1:14

## Constraint Changes

Not all constraints 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: 58 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Ge...  
Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Ge...  
Line 1:24

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Mari...  
Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Mari...  
Line 1:31

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Constraints.CK\_Person\_PersonType: Line 1:26

+53 more

## ➔ Issue 7939: AWS SCT can't convert the %s JSON system function

Recommended action: Revise your code to use a user-defined function, and try again.

Issue code: 7939 | Number of occurrences: 7 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_json.Constraints.AdditionalContactInfo  
must be formatted as JSON: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_json.Constraints.Demographics must be  
formatted as JSON: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_json.Constraints.Email addresses must be  
formatted as JSON array: Line 1:1

# Database migration assessment report



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_json.Constraints.Phone numbers must be formatted as JSON array: Line 1:1

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrder\_json.Constraints.SalesOrder additional information must be formatted as JSON: Line 1:1

+2 more

## Index Changes

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

### ❗ Issue 7681: PostgreSQL doesn't support clustered indexes

Recommended action: Revise your code to use non-clustered indexes and try again.

Issue code: 7681 | Number of occurrences: 3 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Indexes.ix...

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_Temporal\_History.Indexes.ix\_Person\_Temp...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.BillOfMaterials.Indexes.AK\_BillOfMaterials\_...

### ❗ Issue 7784: PostgreSQL doesn't support the STATISTICS\_NORECOMPUTE option in indexes

Recommended action: Revise your code to use indexes without the STATISTICS\_NORECOMPUTE option and try again.

Issue code: 7784 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderDetailSeed.Indexes.IX\_OrderID

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_Name

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_ProductNumber

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_ProductID

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_SalesOrderID

+3 more

### ❗ Issue 7791: PostgreSQL doesn't support the DATA\_COMPRESSION option in indexes

Recommended action: Revise your code to use indexes without the DATA\_COMPRESSION option and try again.

Issue code: 7791 | Number of occurrences: 10 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Indexes.ix...

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Indexes.PXML\_Person\_AddContact

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Indexes.PXML\_Person\_Demographics

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Indexes.XMLPATH\_Person\_Demographics

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Indexes.XMLPROPERTY\_Person\_Demograp...

+5 more

### ➖ Issue 7937: AWS SCT can't convert indexed views

Recommended action: Convert your source code manually.

Issue code: 7937 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion.Indexes.IX\_vStatePr...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription.Indexes.IX\_vProductAn...

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

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Case sensitivity: OFF

## Table Type Changes

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

### ! Issue 7689: PostgreSQL doesn't support NOT NULL constraints in user-defined types

Recommended action: Revise your code to use a type without NOT NULL constraints, and try again.

Issue code: 7689 | Number of occurrences: 6 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table  
types.SalesOrderDetailType\_inmem.Columns.OrderQty  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table  
types.SalesOrderDetailType\_inmem.Columns.ProductID  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table  
types.SalesOrderDetailType\_inmem.Columns.SpecialOfferID  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table  
types.SalesOrderDetailType\_ondisk.Columns.OrderQty  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table  
types.SalesOrderDetailType\_ondisk.Columns.ProductID  
+1 more

## Xml schema collection Changes

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

### – Issue 9994: Unable to convert objects

Recommended action: Perform manual conversion.

Issue code: 9994 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.XML Schema  
Collections.HRRResumeSchemaCollection  
Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema  
Collections.AdditionalContactInfoSchemaCollection  
Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema  
Collections.IndividualSurveySchemaCollection  
Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema  
Collections.ManulInstructionsSchemaCollection  
Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema  
Collections.ProductDescriptionSchemaCollection  
+1 more

## Code object actions

## Trigger Changes

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

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

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Case sensitivity: OFF

## ❗ Issue 7807: AWS SCT can't convert the transaction management command

Recommended action: Convert your source code manually.

Issue code: 7807 | Number of occurrences: 7 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder: Line 37:913

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder: Line 38:1005

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderDe...  
Line 50:1869

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.uPurchaseOrderD...  
Line 62:2559

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderHeader.Triggers.uPurchaseOrde...  
Line 31:987

+2 more

## ❗ Issue 7833: AWS SCT can't convert the @@rowcount function in the current context

Recommended action: Convert your source code manually.

Issue code: 7833 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 7:157

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder: Line 7:142

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder: Line 7:142

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderDe...  
Line 7:161

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.uPurchaseOrderD...  
Line 7:162

+3 more

## ❗ 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: 10 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 16:361

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 16:370

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 20:636

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 20:645

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 29:1123

+5 more

## ➖ Issue 7708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 7708 | Number of occurrences: 4 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 24:803

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 31:1253

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail.Triggers.iduSalesOrderDetail: Line 39:1285

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail.Triggers.iduSalesOrderDetail: Line

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

Version: Microsoft SQL Server 2016 (SP3-GDR) (KB5014355) - 13.0.6419.1 (X64) May 29 2022 21:05:29

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Case sensitivity: OFF

61:2619

## Issue 7809: PostgreSQL does not support INSTEAD OF triggers on tables

Recommended action: Convert your source code manually.

Issue code: 7809 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Triggers.dEmployee

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.Vendor.Triggers.dVendor

## Issue 7811: AWS SCT can't convert functions

Recommended action: Review the converted code to make sure that the user-defined function produces the same results as the source code.

Issue code: 7811 | Number of occurrences: 7 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder: Line 35:869

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder: Line 36:961

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderDe...  
Line 48:1825

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.uPurchaseOrderD...  
Line 60:2515

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderHeader.Triggers.uPurchaseOrde...  
Line 29:943

+2 more

## View Changes

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

## Issue 7634: PostgreSQL doesn't support SCHEMABINDING clauses

Recommended action: Revise your code to avoid using SCHEMABINDING and try again.

Issue code: 7634 | Number of occurrences: 2 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription

## 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: 6 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee: Line 33:956

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion: Line 15:403

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Views.vVendorWithAddresses: Line 21:669

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Views.vIndividualCustomer: Line 31:861

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Views.vSalesPerson: Line 39:1136

+1 more



# Database migration assessment report



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Case sensitivity: OFF

## ❗ Issue 7905: PostgreSQL doesn't support PIVOT clauses for SELECT statements

Recommended action: Revise your code to use a stored procedure to prepare data, and a view to return it, and try again.

Issue code: 7905 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Views.vSalesPersonSalesByFiscalYears: Line 30:964

## ❗ 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: 30 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:132

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:136

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:342

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:346

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 11:549

+25 more

## ➖ Issue 7708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 7708 | Number of occurrences: 90 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 35:2941

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 6:103

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 8:325

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 10:571

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 12:787

+85 more

## Procedure Changes

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

## ❗ Issue 7608: AWS SCT replaced the SET IDENTITY\_INSERT property with the OCERRIDING SYSTEM VALUE clause

Recommended action: Review the converted code and change it where necessary.

Issue code: 7608 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 11:244

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 61:1247

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 64:1306

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 91:1881

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 94:1941

+3 more



# Database migration assessment report



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Case sensitivity: OFF

## ❗ 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: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetOrderTrackingByTrackingNumber: Line 30:745

## ❗ Issue 7807: AWS SCT can't convert the transaction management command

Recommended action: Convert your source code manually.

Issue code: 7807 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 19:457

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 16:355

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 38:1085

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 21:628

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_inmem: Line 42:1153

+3 more

## ❗ Issue 7938: AWS SCT can't convert OPTION clauses

Recommended action: Convert your source code manually.

Issue code: 7938 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetBillOfMaterials: Line 36:2125

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 33:1797

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 33:1752

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetWhereUsedProductID: Line 34:2023

## ❗ 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: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 27:767

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 29:1009

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 35:1231

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 37:1467

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 43:1685

+3 more

## ➖ Issue 7657: PostgreSQL doesn't support the hierarchyid data type

Recommended action: Convert your source code manually to make sure that you store data of the hierarchyid data type using a compatible type in PostgreSQL or a composite type.

Issue code: 7657 | Number of occurrences: 3 | Estimated complexity: Complex

# Database migration assessment report



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 16:381

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 9:241

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 9:241

## Issue 7706: AWS SCT can't convert the declaration of a variable of an unsupported data type

Recommended action: Convert your source code manually to make sure that you use a compatible PostgreSQL data type or a composite data type.

Issue code: 7706 | Number of occurrences: 1 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 16:402

## Issue 7708: AWS SCT can't convert the usage of an unsupported data type

Recommended action: Convert your source code manually.

Issue code: 7708 | Number of occurrences: 8 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 20:969

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 26:1308

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 29:1556

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 32:1752

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 20:927

+3 more

## Issue 7811: AWS SCT can't convert functions

Recommended action: Review the converted code to make sure that the user-defined function produces the same results as the source code.

Issue code: 7811 | Number of occurrences: 5 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 36:1041

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 30:916

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 43:1382

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 44:1587

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 20:513

## Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 7 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 61:1246

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_GetEmployee\_Person\_Info\_AsOf...  
Line 13:383

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_native: Line 11:274

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 27:779

# Database migration assessment report



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 35:1243  
+2 more

## Scalar function Changes

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

### Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingEndDate\_native: Line 6:122

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate\_native: Line 6:126

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetDocumentStatusText\_native: Line 6:140

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetPurchaseOrderStatusText\_native: Line 6:145

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetSalesOrderStatusText\_native: Line 6:142

+1 more

## Inline function Changes

Not all inline functions 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: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Security.SQL inline functions.customerAccessPredicate: Line 10:269

### Issue 7811: AWS SCT can't convert functions

Recommended action: Review the converted code to make sure that the user-defined function produces the same results as the source code.

Issue code: 7811 | Number of occurrences: 1 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderHeader\_extended\_inmem: Line 27:576

## Detailed recommendations for Amazon RDS for MariaDB migrations

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

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

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Case sensitivity: OFF

## Storage object actions

### Table Changes

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

#### ! Issue 696: MariaDB doesn't support an Identity column with seed and increment

Recommended action: Perform a manual conversion.

Issue code: 696 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.TransactionHistory.Columns.TransactionID

#### ! Issue 706: Unsupported data type of variable/column was replaced. Check the conversion result

Recommended action: To store data of this type in MariaDB, use a MariaDB-compatible type or use a composite type.

Issue code: 706 | Number of occurrences: 5 | Estimated complexity: Simple

Documentation references: <https://mariadb.com/kb/en/library/data-types/>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationNode

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organiza...

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Address.Columns.SpatialLocation

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentNode

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductDocument.Columns.DocumentNode

#### ! Issue 794: MariaDB doesn't support user-defined data types. The user datatype has been replaced by the base datatype

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

Issue code: 794 | Number of occurrences: 55 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Department.Columns.GroupName

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Department.Columns.Name

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.CurrentFlag

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.SalariedFlag

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Shift.Columns.Name

+50 more

#### ! Issue 826: Check the default value for a DateTime variable

Recommended action: Check the default value for a DateTime variable.

Issue code: 826 | Number of occurrences: 86 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Department.Columns.ModifiedDate

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.ModifiedDate

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.EmployeeDepartmentHistory.Columns.M...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.EmployeePayHistory.Columns.Modified...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.JobCandidate.Columns.ModifiedDate

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Case sensitivity: OFF

+81 more

## ❗ Issue 844: MariaDB expands fractional seconds support for TIME, DATETIME2 and DATETIMEOFFSET values, with up to microseconds (6 digits) of precision

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

Issue code: 844 | Number of occurrences: 34 | Estimated complexity: Simple

Documentation references: <https://mariadb.com/kb/en/library/data-types/>

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderHeaderSeed.Columns.DueDate  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.ValidFro...  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.ValidTo  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Shift.Columns.EndTime  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Shift.Columns.StartTime  
+29 more

## ⊖ Issue 708: Unable convert variable usage of unsupported datatype

Recommended action: Perform a manual conversion.

Issue code: 708 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationLevel  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organizat...  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentLevel

## ⊖ Issue 811: Unable to convert functions

Recommended action: Create a user-defined function.

Issue code: 811 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderHeader.Columns.SalesOrderNumber  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrder\_json.Columns.SalesOrderNumber

## ⊖ Issue 924: MariaDB does not support the manual management of historical tables

Recommended action: Perform a manual conversion.

Issue code: 924 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_Temporal\_History

## Constraint Changes

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

## ❗ Issue 601: BLOB and TEXT columns cannot be included in a foreign key

Recommended action: Revise your code and try to use another datatype of column.

Issue code: 601 | Number of occurrences: 1 | Estimated complexity: Simple

# Database migration assessment report



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Case sensitivity: OFF

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

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductDocument.Constraints.FK\_Product...

## ! Issue 602: MariaDB has the InnoDB internal maximum key length

Recommended action: For indexes on BLOB and TEXT columns have specified an index prefix length.

Issue code: 602 | Number of occurrences: 2 | Estimated complexity: Simple

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

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Constraints.PK\_Document\_Docum...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductDocument.Constraints.PK\_ProductD...

## Index Changes

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

## ! Issue 602: MariaDB has the InnoDB internal maximum key length

Recommended action: For indexes on BLOB and TEXT columns have specified an index prefix length.

Issue code: 602 | Number of occurrences: 3 | Estimated complexity: Simple

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

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Indexes.IX\_Employee\_Organiz...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Indexes.IX\_Employee\_Organi...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Indexes.AK\_Document\_Document...

## ! Issue 681: MariaDB doesn't support creating indexes with a CLUSTER option. The user can't create CLUSTER INDEX, MariaDB will create it automatically

Recommended action: Use non-clustered indexes.

Issue code: 681 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.BillOfMaterials.Indexes.AK\_BillOfMaterials\_...

## ! Issue 682: MariaDB doesn't support the INCLUDE option in indexes

Recommended action: Perform a manual conversion.

Issue code: 682 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductReview.Indexes.IX\_ProductReview\_P...

## ! Issue 684: MariaDB doesn't support the WITH option in indexes

Recommended action: Use indexes without this option.

Issue code: 684 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderDetailSeed.Indexes.IX\_OrderID

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_Name

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_ProductNumber



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_ProductID  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_SalesOrderID  
+3 more

## ❗ Issue 10000: It is not allowed to convert an object without its parent

Recommended action: Please, check parent object. .

Issue code: 10000 | Number of occurrences: 2 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Indexes.ix...  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_Temporal\_History.Indexes.ix\_Person\_Temp...

## ➖ Issue 926: Automatic conversion of indexed views is not supported

Recommended action: Perform a manual conversion.

Issue code: 926 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion.Indexes.IX\_vStatePr...  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription.Indexes.IX\_vProductAn...

## Type Changes

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

## ❗ Issue 794: MariaDB doesn't support user-defined data types. The user datatype has been replaced by the base datatype

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

Issue code: 794 | Number of occurrences: 6 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.AccountNumber  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.Flag  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.Name  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.NameStyle  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.OrderNumber  
+1 more

## Table Type Changes

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

## ➖ Issue 690: MariaDB doesn't support table types

Recommended action: Perform a manual conversion.

Issue code: 690 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table types.SalesOrderDetailType\_inmem  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table types.SalesOrderDetailType\_ondisk

## Xml schema collection Changes



# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

Version: Microsoft SQL Server 2016 (SP3-GDR) (KB5014355) - 13.0.6419.1 (X64) May 29 2022 21:05:29

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Case sensitivity: OFF

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

## Issue 9994: Unable to convert objects

Recommended action: Perform manual conversion.

Issue code: 9994 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.XML Schema Collections.HRResumeSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema Collections.AdditionalContactInfoSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema Collections.IndividualSurveySchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema Collections.ManulInstructionsSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema Collections.ProductDescriptionSchemaCollection

+1 more

## Code object actions

## Trigger Changes

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

## Issue 686: MariaDB doesn't support triggers with FOR STATEMENT

Recommended action: Perform a manual conversion.

Issue code: 686 | Number of occurrences: 10 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Triggers.dEmployee

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderD...

+5 more

## View Changes

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

## Issue 634: MariaDB doesn't support the SCHEMABINDING option. Automatic conversion ignores this clause

Recommended action: Use CREATE VIEW without this option.

Issue code: 634 | Number of occurrences: 2 | Estimated complexity: Simple

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

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription

# Database migration assessment report



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Case sensitivity: OFF

## ❗ Issue 794: MariaDB doesn't support user-defined data types. The user datatype has been replaced by the base datatype

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

Issue code: 794 | Number of occurrences: 71 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.CountryRegionNam...  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.FirstName  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.LastName  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.MiddleName  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.PhoneNumber  
+66 more

## ❗ Issue 905: MariaDB doesn't support the PIVOT clause for the SELECT statement

Recommended action: You can use a stored procedure to prepare data, and then return the data with a VIEW.

Issue code: 905 | Number of occurrences: 1 | Estimated complexity: Simple

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

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Views.vSalesPersonSalesByFiscalYears: Line 30:964

## ❗ 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: 30 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:132  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:136  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:342  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:346  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 11:549  
+25 more

## ➖ Issue 708: Unable convert variable usage of unsupported datatype

Recommended action: Perform a manual conversion.

Issue code: 708 | Number of occurrences: 90 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 35:2941  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 6:103  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 8:325  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 10:571  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 12:787  
+85 more

## Procedure Changes

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

# Database migration assessment report



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Case sensitivity: OFF

## ! Issue 673: Unable to convert statements

Recommended action: Perform a manual conversion.

Issue code: 673 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 11:248

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 61:1251

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 64:1310

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 91:1885

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 94:1945

+3 more

## ! Issue 706: Unsupported data type of variable/column was replaced. Check the conversion result

Recommended action: To store data of this type in MariaDB, use a MariaDB-compatible type or use a composite type.

Issue code: 706 | Number of occurrences: 2 | Estimated complexity: Simple

Documentation references: <https://mariadb.com/kb/en/library/data-types/>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 16:402

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin.Paramet...

## ! Issue 733: MariaDB doesn't support the PRINT procedure

Recommended action: Try using INSERT in the log table. To do this, you must add code into ..PRINT.

Issue code: 733 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 27:1012

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 57:1932

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspPrintError: Line 12:389

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspPrintError: Line 17:699

## ! Issue 794: MariaDB doesn't support user-defined data types. The user datatype has been replaced by the base datatype

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

Issue code: 794 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo.Param...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin.Paramete...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_inmem.Parameters.@Sale...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk.Parameters.@Sale...

## ! Issue 810: MariaDB doesn't support the SET NOCOUNT

Recommended action: If need try another way to send message back to the client application.

# Database migration assessment report



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Case sensitivity: OFF

Issue code: 810 | Number of occurrences: 13 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 13:317

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 12:294

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeePersonalInfo: Line 11:269

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 16:549

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetBillOfMaterials: Line 7:124

+8 more

## ! Issue 826: Check the default value for a DateTime variable

Recommended action: Check the default value for a DateTime variable.

Issue code: 826 | Number of occurrences: 3 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 23:674

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_native: Line 15:393

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_ondisk: Line 15:484

## ! Issue 837: MariaDB and MS SQL Server handle errors differently, so check result of code conversion

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

Issue code: 837 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_inmem: Line 38:1029

## ! Issue 844: MariaDB expands fractional seconds support for TIME, DATETIME2 and DATETIMEOFFSET values, with up to microseconds (6 digits) of precision

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

Issue code: 844 | Number of occurrences: 3 | Estimated complexity: Simple

Documentation references: <https://mariadb.com/kb/en/library/data-types/>

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 23:664

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_native: Line 15:383

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_ondisk: Line 15:474

## ! 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: 8 | Estimated complexity: Simple

# Database migration assessment report



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 27:767  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 29:1009  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 35:1231  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 37:1467  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 43:1685  
+3 more

## Issue 708: Unable convert variable usage of unsupported datatype

Recommended action: Perform a manual conversion.

Issue code: 708 | Number of occurrences: 8 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 20:969  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 26:1308  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 29:1556  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 32:1752  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 20:927  
+3 more

## Issue 811: Unable to convert functions

Recommended action: Create a user-defined function.

Issue code: 811 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 36:1041  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 43:1382  
Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 44:1587

## Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 11 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 61:1246  
Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 9:229  
Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 134:2890  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_GetEmployee\_Person\_Info\_AsOf...  
Line 13:383  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_native: Line 11:274  
+6 more

## Scalar function Changes

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

## Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

# Database migration assessment report



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Case sensitivity: OFF

Issue code: 9996 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingEndDate\_native: Line 6:122

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate\_native: Line 6:126

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetDocumentStatusText\_native: Line 6:140

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetPurchaseOrderStatusText\_native: Line 6:145

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetSalesOrderStatusText\_native: Line 6:142

+1 more

## Inline function Changes

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

### – Issue 811: Unable to convert functions

Recommended action: Create a user-defined function.

Issue code: 811 | Number of occurrences: 1 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderHeader\_extended\_inmem: Line 27:576

## Detailed recommendations for Amazon Redshift migrations

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

## Storage object actions

## Table Changes

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

### i Issue 18131: Amazon Redshift don't support precision for data type TIME

Recommended action: Performed autoconversion without precision.

Issue code: 18131 | Number of occurrences: 2 | Estimated complexity: Info

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Shift.Columns.EndTime

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Shift.Columns.StartTime

### i Issue 18193: SPATIAL DATATYPES

Recommended action: Perform a manual conversion.

Issue code: 18193 | Number of occurrences: 1 | Estimated complexity: Info

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Address.Columns.SpatialLocation



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Case sensitivity: OFF

## ! Issue 18001: Unsupported datatypes

Recommended action: uniqueidentifier datatype will be converted into varchar datatype.

Issue code: 18001 | Number of occurrences: 36 | Estimated complexity: Simple

Documentation references: <https://docs.aws.amazon.com/SchemaConversionTool/latest/userguide/agents.dw.html>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationNode

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.rowguid

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organiza...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Columns.O...

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Address.Columns.rowguid

+31 more

## ! Issue 18008: Large Character or Binary data types are unsupported

Recommended action: Performed autoconversion to VARCHAR data type.

Issue code: 18008 | Number of occurrences: 20 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.JobCandidate.Columns.Resume

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Columns.AdditionalContactInfo

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Columns.Demographics

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_json.Columns.AdditionalContactInfo

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_json.Columns.Demographics

+15 more

## ! Issue 18010: Amazon Redshift doesn't support a virtual column

Recommended action: Performed view creation with column formula as virtual is.

Issue code: 18010 | Number of occurrences: 13 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationLevel

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organizat...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentLevel

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Columns.StockedQty

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Columns.LineTotal

+8 more

## ! Issue 18029: Unable to convert DEFAULT CONSTRAINT

Recommended action: newid() value will be ignored. Perform manual conversion.

Issue code: 18029 | Number of occurrences: 31 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.rowguid

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Address.Columns.rowguid

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.AddressType.Columns.rowguid

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.BusinessEntity.Columns.rowguid

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.BusinessEntityAddress.Columns.rowguid

+26 more



# Database migration assessment report



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Case sensitivity: OFF

## ❗ Issue 18132: Unable to convert functions

Recommended action: Perform a manual conversion.

Issue code: 18132 | Number of occurrences: 2 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_Temporal

## ➖ Issue 18067: Unable to convert hierarchyid data type methods

Recommended action: Perform a manual conversion.

Issue code: 18067 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationLevel

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Columns.Organizat...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentLevel

## Constraint Changes

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

## ❗ Issue 18027: Amazon Redshift doesn't support CHECK CONSTRAINT

Recommended action: Perform a manual conversion.

Issue code: 18027 | Number of occurrences: 142 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Bir...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Ge...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Hi...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Mar...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Constraints.CK\_Employee\_Si...

+137 more

## Index Changes

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

## ❗ Issue 18011: Amazon Redshift doesn't support all index types

Recommended action: Clustered and Non-clustered indexes columns are good option for SORTKEY columns.

Issue code: 18011 | Number of occurrences: 119 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderDetailSeed.Indexes.IX\_OrderID

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Department.Indexes.AK\_Department\_...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Indexes.AK\_Employee\_Login...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Indexes.AK\_Employee\_Natio...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Indexes.AK\_Employee\_rowgu...

+114 more

## ❗ Issue 18038: Amazon Redshift VIEW doesn't support any types of indexes

# Database migration assessment report



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Case sensitivity: OFF

Recommended action: No action required.

Issue code: 18038 | Number of occurrences: 2 | Estimated complexity: Medium

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion.Indexes.IX\_vStatePr...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription.Indexes.IX\_vProductAn...

## Type Changes

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

### ! Issue 18039: Amazon Redshift doesn't support user-defined data type

Recommended action: Perform a manual conversion.

Issue code: 18039 | Number of occurrences: 6 | Estimated complexity: Medium

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.AccountNumber

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.Flag

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.Name

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.NameStyle

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Types.OrderNumber

+1 more

## Table Type Changes

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

### ! Issue 18039: Amazon Redshift doesn't support user-defined data type

Recommended action: Perform a manual conversion.

Issue code: 18039 | Number of occurrences: 2 | Estimated complexity: Medium

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table types.SalesOrderDetailType\_inmem

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Table types.SalesOrderDetailType\_ondisk

## Xml schema collection Changes

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

### – Issue 18064: Redshift doesn't support the XML Schema Collections

Recommended action: Perform a manual conversion.

Issue code: 18064 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.XML Schema

Collections.HRResumeSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema

Collections.AdditionalContactInfoSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema

Collections.IndividualSurveySchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema

Collections.ManulInstructionsSchemaCollection

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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema

Collections.ProductDescriptionSchemaCollection

+1 more

## Code object actions

### Trigger Changes

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

#### ! Issue 18043: Amazon Redshift doesn't support triggers

Recommended action: Perform a manual conversion.

Issue code: 18043 | Number of occurrences: 10 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Triggers.dEmployee

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderD...

+5 more

### View Changes

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

#### ! 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: 30 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:132

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 7:136

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:342

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 9:346

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 11:549

+25 more

#### ! Issue 18001: Unsupported datatypes

Recommended action: uniqueidentifier datatype will be converted into varchar datatype.

Issue code: 18001 | Number of occurrences: 3 | Estimated complexity: Simple

Documentation references: <https://docs.aws.amazon.com/SchemaConversionTool/latest/userguide/agents.dw.html>

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vAdditionalContactInfo.Columns.rowguid

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductModelCatalogDescription.Columns.ro...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductModelInstructions.Columns.rowguid

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

Version: Microsoft SQL Server 2016 (SP3-GDR) (KB5014355) - 13.0.6419.1 (X64) May 29 2022 21:05:29

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Case sensitivity: OFF

## ❗ Issue 18008: Large Character or Binary data types are unsupported

Recommended action: Performed autoconversion to VARCHAR data type.

Issue code: 18008 | Number of occurrences: 19 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.AdditionalContactIn...  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate.Columns.Email  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate.Columns.Skills  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate.Columns.WebSite  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation.Columns."Edu.L...  
+14 more

## ❗ Issue 18037: Amazon Redshift CREATE VIEW definition doesn't support WITH CHECK, SCHEMABINDING and VIEW\_METADATA attributes

Recommended action: No action required.

Issue code: 18037 | Number of occurrences: 2 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription

## ❗ Issue 18014: Amazon Redshift doesn't support OUTER APPLY operator

Recommended action: Perform a manual conversion.

Issue code: 18014 | Number of occurrences: 1 | Estimated complexity: Medium

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vAdditionalContactInfo: Line 44:3943

## ❗ Issue 18015: Amazon Redshift doesn't support CROSS APPLY operator

Recommended action: Perform a manual conversion.

Issue code: 18015 | Number of occurrences: 5 | Estimated complexity: Medium

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 34:2892  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 30:2642  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEmployment: Line 26:2334  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductModelInstructions: Line 17:852  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Views.vPersonDemographics: Line 30:2813

## Procedure Changes

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

## ℹ Issue 18002: Unable to convert datatypes

Recommended action: Performed autoconversion to the VARCHAR type.

Issue code: 18002 | Number of occurrences: 1 | Estimated complexity: Info

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 30:924

# Database migration assessment report



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Case sensitivity: OFF

## ! 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: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 27:767

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 29:1009

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 35:1231

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 37:1467

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspSearchCandidateResumes: Line 43:1685

+3 more

## ! Issue 18001: Unsupported datatypes

Recommended action: SalesOrderDetailType\_inmem datatype will be converted into varchar datatype.

Issue code: 18001 | Number of occurrences: 5 | Estimated complexity: Simple

Documentation references: <https://docs.aws.amazon.com/SchemaConversionTool/latest/userguide/agents.dw.html>

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo.Param...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin.Paramete...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin.Paramet...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_inmem.Parameters.@Sale...

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk.Parameters.@Sale...

## ! Issue 18075: Redshift doesn't support default value for stored procedure parameter

Recommended action: Default value for the parameter is ignored.

Issue code: 18075 | Number of occurrences: 45 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed.Parameters.@items\_per\_or...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_GetEmployee\_Person\_Info\_AsO...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_UpdateEmployee\_Temporal.Pa...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_UpdateEmployee\_Temporal.Para...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.sp\_UpdateEmployee\_Temporal.Par...

+40 more

## ! Issue 18090: Amazon Redshift doesn't support the SET NOCOUNT

Recommended action: If need try another way to send message back to the client application.

Issue code: 18090 | Number of occurrences: 13 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 13:313

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 12:290

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeePersonalInfo: Line 11:265

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 16:545

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetBillOfMaterials: Line 7:120

+8 more

# Database migration assessment report



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Case sensitivity: OFF

## ❗ Issue 18128: Unable to convert functions with some kind of arguments

Recommended action: Performed an automatic conversion to a supported value.

Issue code: 18128 | Number of occurrences: 1 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 33:705

## ❗ Issue 18132: Unable to convert functions

Recommended action: Perform a manual conversion.

Issue code: 18132 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 48:1704

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 49:1736

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspPrintError: Line 15:609

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspPrintError: Line 16:679

## ❗ Issue 18190: Amazon Redshift does not support setting a session variable

Recommended action: Perform a manual conversion.

Issue code: 18190 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 11:248

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 61:1251

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 64:1310

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 91:1885

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoReset: Line 94:1945

+3 more

## ❗ Issue 18079: Redshift doesn't support natively compiled stored procedures

Recommended action: Perform a manual conversion.

Issue code: 18079 | Number of occurrences: 1 | Estimated complexity: Medium

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_native: Line 11:287

## ❗ Issue 18111: Redshift doesn't support an explicit transaction in stored procedure, an implicit transaction is opened at the beginning of the SP execution and after statements COMMIT, ROLLBACK and TRUNCATE

Recommended action: Statements for opening transactions are ignored.

Issue code: 18111 | Number of occurrences: 5 | Estimated complexity: Medium

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 19:457

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 16:355

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 21:628

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_UpdateSalesOrderShipInfo\_ondisk: Line



# Database migration assessment report



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Case sensitivity: OFF

14:448

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 19:584

## Issue 18052: Unable to convert functions

Recommended action: Perform a manual conversion.

Issue code: 18052 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 36:1041

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 43:1382

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspLogError: Line 54:1881

## Issue 18067: Unable to convert hierarchyid data type methods

Recommended action: Perform a manual conversion.

Issue code: 18067 | Number of occurrences: 8 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 20:969

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 26:1308

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 29:1556

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 32:1752

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 20:927

+3 more

## Issue 18077: Redshift doesn't support using of User-Defined Table Type in stored procedure

Recommended action: Perform a manual conversion.

Issue code: 18077 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 28:816

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 93:2119

## Issue 18081: Redshift doesn't support using of User-Defined Data Type in stored procedure

Recommended action: Perform a manual conversion.

Issue code: 18081 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line 21:526

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 20:563

## Scalar function Changes

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



# Database migration assessment report



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Case sensitivity: OFF

## ❗ Issue 18008: Large Character or Binary data types are unsupported

Recommended action: Performed autoconversion to VARCHAR data type.

Issue code: 18008 | Number of occurrences: 2 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnToRawJsonArray.Parameters.(result)

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnToRawJsonArray.Parameters.@json

## ❗ Issue 18040: Amazon Redshift supports only scalar user-defined functions

Recommended action: Perform a manual conversion.

Issue code: 18040 | Number of occurrences: 10 | Estimated complexity: Medium

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingEndDate\_native: Line 6:122

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate\_native: Line 6:126

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetDocumentStatusText\_native: Line 6:140

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetProductDealerPrice: Line 14:323

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetProductListPrice: Line 8:158  
+5 more

## ⚠ Issue 9996: Internal Converter error occurred

Recommended action: Please submit report to developers.

Issue code: 9996 | Number of occurrences: 2 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetStock: Line 14:413

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnLeadingZeros: Line 12:253

## ⚠ Issue 18051: Unable to convert functions

Recommended action: Perform a manual conversion.

Issue code: 18051 | Number of occurrences: 3 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate: Line 6:99

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnLeadingZeros: Line 11:181

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnToRawJsonArray: Line 4:164

## ⚠ Issue 18062: Unparsed SQL

Recommended action: Perform a manual conversion.

Issue code: 18062 | Number of occurrences: 1 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingEndDate

## Inline function Changes

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

# Database migration assessment report



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Case sensitivity: OFF

## **Issue 18040: Amazon Redshift supports only scalar user-defined functions**

Recommended action: Perform a manual conversion.

Issue code: 18040 | Number of occurrences: 3 | Estimated complexity: Medium

Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderDetail\_extended\_inmem  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderHeader\_extended\_inmem  
Databases.AdventureWorks2016\_EXT.Schemas.Security.SQL inline functions.customerAccessPredicate

## **Table-valued function Changes**

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

## **Issue 18040: Amazon Redshift supports only scalar user-defined functions**

Recommended action: Perform a manual conversion.

Issue code: 18040 | Number of occurrences: 1 | Estimated complexity: Medium

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL table-valued functions.ufnGetContactInformation

## **Detailed recommendations for Babelfish for Aurora PostgreSQL migrations**

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

## **Storage object actions**

## **Table Changes**

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

## **Issue 2403: Possible performance issues**

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

Issue code: 2403 | Number of occurrences: 11 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationLevel  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Columns.DocumentLevel  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Columns.StockedQty  
Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Columns.LineTotal  
Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Columns.StockedQty  
+6 more

## **Issue 2401: Unable to convert statement**

Recommended action: Perform a manual conversion.

Issue code: 2401 | Number of occurrences: 46 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.OrganizationNode  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Columns.rowguid

# Database migration assessment report



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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Columns.O...  
Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.JobCandidate.Columns.Resume  
+41 more

## Constraint Changes

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

### ! Issue 10000: It is not allowed to convert an object without its parent

Recommended action: Please, check parent object. .

Issue code: 10000 | Number of occurrences: 2 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal.Constraints.PK\_Empl...  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_Temporal.Constraints.PK\_Person\_Temporal...

### – Issue 2401: Unable to convert statement

Recommended action: Perform a manual conversion.

Issue code: 2401 | Number of occurrences: 8 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.EmployeeDepartmentHistory.Constraint...  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.BusinessEntityAddress.Constraints.PK\_BusinessEnt...  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.BusinessEntityContact.Constraints.PK\_BusinessEnt...  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductModelProductDescriptionCulture.Constr...  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.ProductModelProductDescriptionCulture.Cons...  
+3 more

## Index Changes

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

### ! Issue 2402: Partially supported conversion

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

Issue code: 2402 | Number of occurrences: 3 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee\_Temporal\_History.Indexes.ix...  
Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person\_Temporal\_History.Indexes.ix\_Person\_Temp...  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.BillOfMaterials.Indexes.AK\_BillOfMaterials\_...

### ! Issue 2405: Statement will be ignored

Recommended action: Perform a manual conversion.

Issue code: 2405 | Number of occurrences: 8 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderDetailSeed.Indexes.IX\_OrderID  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_Name  
Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Product\_inmem.Indexes.IX\_ProductNumber  
Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_ProductID

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Case sensitivity: OFF

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderDetail\_inmem.Indexes.IX\_SalesOrderID  
+3 more

## ! Issue 10000: It is not allowed to convert an object without its parent

Recommended action: Please, check parent object. .

Issue code: 10000 | Number of occurrences: 2 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.Person.Views.vStateProvinceCountryRegion.Indexes.IX\_vStatePr...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Views.vProductAndDescription.Indexes.IX\_vProductAn...

## – Issue 2401: Unable to convert statement

Recommended action: Perform a manual conversion.

Issue code: 2401 | Number of occurrences: 10 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Tables.DemoSalesOrderDetailSeed.Indexes.IX\_OrderID

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Address.Indexes.IX\_Address\_AddressLine1\_Address...

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Address.Indexes.IX\_Address\_AddressLine1\_Address...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.Document.Indexes.AK\_Document\_Document...

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.TransactionHistoryArchive.Indexes.IX\_Transac...

+5 more

## Xml schema collection Changes

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

## – Issue 2401: Unable to convert statement

Recommended action: Perform a manual conversion.

Issue code: 2401 | Number of occurrences: 6 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.XML Schema  
Collections.HRRResumeSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema  
Collections.AdditionalContactInfoSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Person.XML Schema  
Collections.IndividualSurveySchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema  
Collections.ManulInstructionsSchemaCollection

Databases.AdventureWorks2016\_EXT.Schemas.Production.XML Schema  
Collections.ProductDescriptionSchemaCollection

+1 more

## Code object actions

## Trigger Changes

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

# Database migration assessment report



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Case sensitivity: OFF

## ! Issue 2405: Statement will be ignored

Recommended action: Perform a manual conversion.

Issue code: 2405 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Tables.Employee.Triggers.dEmployee: Line 3:97

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 3:81

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.Vendor.Triggers.dVendor: Line 3:85

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Tables.SalesOrderHeader.Triggers.uSalesOrderHeader: Line 3:90

## – Issue 2401: Unable to convert statement

Recommended action: Perform a manual conversion.

Issue code: 2401 | Number of occurrences: 21 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 24:803

Databases.AdventureWorks2016\_EXT.Schemas.Person.Tables.Person.Triggers.iuPerson: Line 31:1253

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.iWorkOrder: Line 21:471

Databases.AdventureWorks2016\_EXT.Schemas.Production.Tables.WorkOrder.Triggers.uWorkOrder: Line 22:541

Databases.AdventureWorks2016\_EXT.Schemas.Purchasing.Tables.PurchaseOrderDetail.Triggers.iPurchaseOrderDe...  
Line 22:527

+16 more

## View Changes

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

## – Issue 2401: Unable to convert statement

Recommended action: Perform a manual conversion.

Issue code: 2401 | Number of occurrences: 102 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vEmployee.Columns.AdditionalContactIn...

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 34:2892

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidate: Line 35:2941

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 6:103

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Views.vJobCandidateEducation: Line 8:299

+97 more

## Procedure Changes

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

## ! Issue 2402: Partially supported conversion

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

Issue code: 2402 | Number of occurrences: 9 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeHireInfo: Line

# Database migration assessment report



Source database: AdventureWorks2016\_EXT.SQL Server

Version: Microsoft SQL Server 2016 (SP3-GDR) (KB5014355) - 13.0.6419.1 (X64) May 29 2022 21:05:29

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Case sensitivity: OFF

10:279

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeeLogin: Line 9:256

Databases.AdventureWorks2016\_EXT.Schemas.HumanResources.Procedures.uspUpdateEmployeePersonalInfo: Line 8:231

Databases.AdventureWorks2016\_EXT.Schemas.Sales.Procedures.usp\_InsertSalesOrder\_ondisk: Line 27:735

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspAddOrderTrackingEvent: Line 24:693  
+4 more

## ! Issue 2405: Statement will be ignored

Recommended action: Perform a manual conversion.

Issue code: 2405 | Number of occurrences: 4 | Estimated complexity: Simple

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetBillOfMaterials: Line 36:2125

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetEmployeeManagers: Line 33:1797

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetManagerEmployees: Line 33:1752

Databases.AdventureWorks2016\_EXT.Schemas.dbo.Procedures.uspGetWhereUsedProductID: Line 34:2023

## – Issue 2401: Unable to convert statement

Recommended action: Perform a manual conversion.

Issue code: 2401 | Number of occurrences: 28 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 8:254

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 14:373

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 16:405

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 32:682

Databases.AdventureWorks2016\_EXT.Schemas.Demo.Procedures.usp\_DemoInitSeed: Line 53:1127

+23 more

## Scalar function Changes

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

## – Issue 2401: Unable to convert statement

Recommended action: Perform a manual conversion.

Issue code: 2401 | Number of occurrences: 18 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate: Line 6:99

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate\_native: Line 4:86

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate\_native: Line 4:106

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate\_native: Line 6:139

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL scalar functions.ufnGetAccountingStartDate\_native: Line 8:221

+13 more

# Database migration assessment report



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Case sensitivity: OFF

## Inline function Changes

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

### Issue 2401: Unable to convert statement

Recommended action: Perform a manual conversion.

Issue code: 2401 | Number of occurrences: 5 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderDetail\_extended\_inmem:  
Line 3:81

Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderDetail\_extended\_inmem:  
Line 3:96

Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderHeader\_extended\_inmem:  
Line 3:81

Databases.AdventureWorks2016\_EXT.Schemas.Sales.SQL inline functions.vSalesOrderHeader\_extended\_inmem:  
Line 3:96

Databases.AdventureWorks2016\_EXT.Schemas.Security.SQL inline functions.customerAccessPredicate: Line 4:92

## Table-valued function Changes

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

### Issue 2401: Unable to convert statement

Recommended action: Perform a manual conversion.

Issue code: 2401 | Number of occurrences: 4 | Estimated complexity: Complex

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL table-valued functions.ufnGetContactInformation: Line  
21:720

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL table-valued functions.ufnGetContactInformation: Line  
32:1216

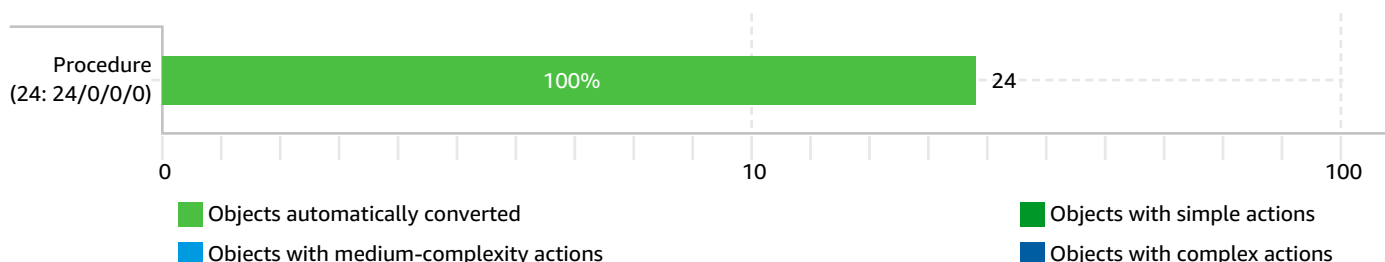
Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL table-valued functions.ufnGetContactInformation: Line  
47:1895

Databases.AdventureWorks2016\_EXT.Schemas.dbo.SQL table-valued functions.ufnGetContactInformation: Line  
62:2574

## Database objects with conversion actions for AWS Glue

Of the total 24 database code object(s) in the source database, we identified 24 (100%) database code object(s) that can be converted to AWS Glue automatically or with minimal changes.

Figure: Conversion statistics for database code objects





# Database migration assessment report



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Case sensitivity: OFF