

ApexSQL Diff API

for SQL Server

Compare and synchronize SQL databases programmatically



Datasheet

ApexSQL Diff API is an API which provides schema and data comparison capabilities you own solutions. It detects schema and data conflicts between two data sources and resolves them without errors

Highlights

Comparison and synchronization modules

Add schema and data comparison and synchronization capabilities to your applications

Support for multiple data source types

Compare live databases, backups, snapshots, scripts and databases under source control

Backup recovery

Revert changes from a backup without a full restore, directly from your solution

Source control integration

Integrate your application with version control, deploying a specific database version or label directly to or from source control

Automation

Schedule completely unattended migrations

Forensics

Pinpoint discrepancies, inadvertent and malicious changes, missing and damaged objects and data, and immediately resolve those issues

Error-free migrations

Ensure that changes are propagated without problems or errors using proprietary dependency analysis algorithms

Selective comparison

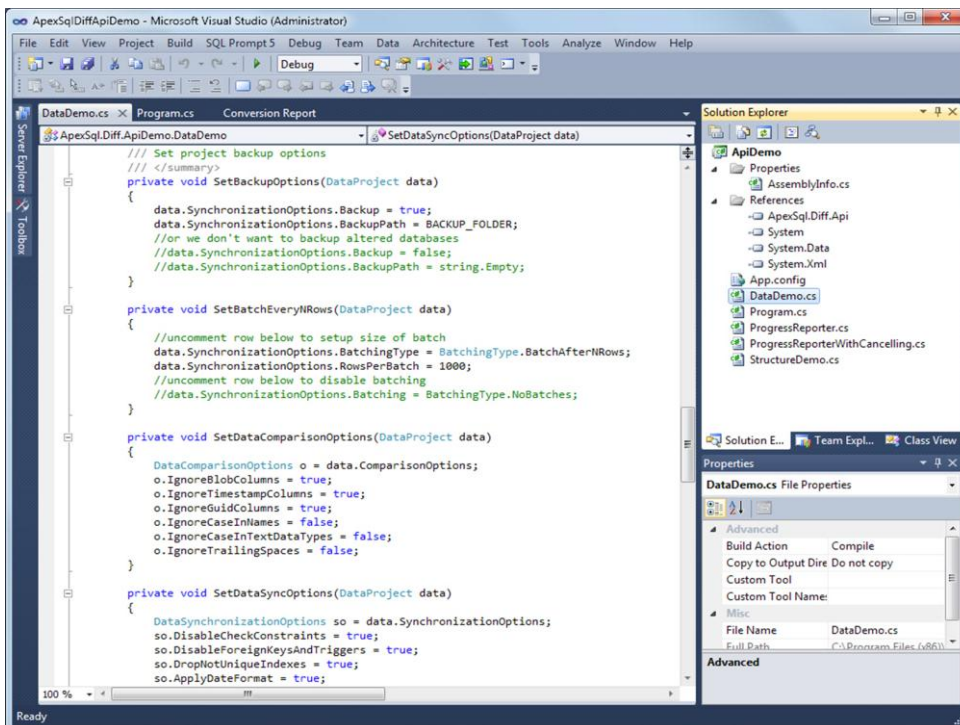
Specify comparison criteria. Compare or ignore specific object attributes

Analysis and reporting

Bundle you application with powerful reporting capabilities documenting the differences in your environments

"I did some first testing with the ApexSQL Diff API, and its looking great. So far no problems, and the speed difference is amazing. Comparing my test-database took 58 seconds, with the new version its only 13 seconds! Well done!"

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 **ApexSQL**
Data driven

ApexSQL Diff API

for SQL Server

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Advanced features

Backup comparison

Compare databases against backups without restoring

Transparent decryption

Compare encrypted objects

Sophisticated reporting

Export the comparison results to HTML

Custom script support

Augment deployment script with your own pre or post synchronization scripts

Database builds

Deploy scripts saved in a file or under source control to a new or existing database

Accurate dependencies

Recognize all object interdependencies, even those that SQL Server itself fails to identify

Smart schema mapping

Compare objects across different users using schema mapping

Snapshots

Build a continuous audit trail of all schema changes through snapshots

Full SQL Server version support

Compare SQL 2012, SQL Denali, SQL 2008 R2, SQL 2008, SQL 2005 and SQL 2000 objects and data

The screenshot displays the ApexSQL.Diff.Api namespace structure. The right pane shows the following methods:

- CreateObject(ApexSql.DataDiff.Engine.Model.IMatchedObject)
- ExcludeAllFromComparison()
- ExcludeFromComparison(string[])
- GetEnumerator()
- GetItemByDestinationName(string)
- GetItemBySourceName(string)
- IncludeAllInComparison()
- IncludeInComparison(string[])
- ResetComparedCollections()
- Count
- pairedObjects
- project

The `ExcludeFromComparison(string[] regExps)` method is highlighted, with its signature and member information shown below:

```
public void ExcludeFromComparison(string[] regExps)
Member of
ApexSql.Diff.Data.MappedDataObjectCollectionBase<T>
```

Summary:
Exclude objects matching to at least one regular expression from the list from comparison

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