

# Deploy a database from source control

To deploy a database from source control to a server, use [SQL Compare Pro](#), or the SQL Server Management Studio Integration Pack add-in.

## Deploying with SQL Compare

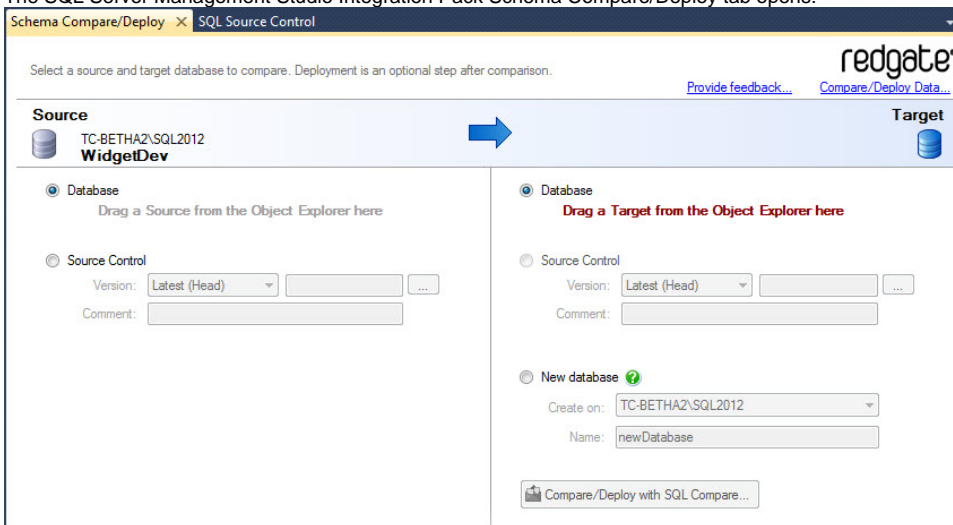
To deploy with SQL Compare:

1. Open SQL Compare.
2. Select a version from source control.  
For full instructions, "Selecting a version from source control" on the [Setting data sources](#) page (SQL Compare documentation).
3. Run the comparison.
4. Open the **Deployment Wizard** and deploy the version.  
For full instructions, see [Deploying data sources](#) (SQL Compare documentation).

## Deploying with SQL Server Management Studio Integration Pack

To deploy a database schema:

1. In the Object Explorer, right-click a database, select **Schema Compare/Deploy > Set as Source**.  
The SQL Server Management Studio Integration Pack Schema Compare/Deploy tab opens:



2. By default, the database is set as the source.  
To deploy a version from source control, select **Source Control** and specify the version.
3. On the right-hand side, choose what you want to deploy to.  
You can deploy to a target database, create a new database, or create a change script to update a target source control version.

For more information, see [Getting started with the add-in](#) (SQL Compare documentation).

## Deploying with the SQL Compare command line

To deploy from source control using the SQL Compare command line:

1. Create a local copy of the scripts folder
2. Deploy the local copy to the target server using SQL Compare

### 1. Create a local copy of the repository

You need to create a copy of the scripts folder that represents the database in your repository.

For example, for Subversion, at command prompt, you'd type:

```
cd C:\program files\subversion\bin  
  
svn update http://<your repository path>/WidgetDev "C:\WidgetDevScripts"
```

Where:

- *C:\program files\subversion\bin* is the location of the Subversion command line  
*http://<your repository path>/WidgetDev* is the URL for the database in your Subversion repository

- *C:\WidgetDevScripts* is the file path for the directory where the local copy will be created

A local copy of the scripts folder is created. This is a Subversion working copy, and is associated with the Subversion repository.

## 2. Deploy the local copy to the target server

At a command prompt, type:

```
cd C:\program files\red gate\SQL Compare 12

/sqlcompare /scr1:"C:\WidgetDevScripts"

/S2:WidgetServer /U2:<username> /P2:<password>

/db2:"WidgetTest"

/sync
```

Where:

- *C:\program files\red gate\SQL Compare 12* is the location of the SQL Compare command line
- */scr1:"C:\WidgetDevScripts"* specifies the local copy, *WidgetDevScripts*, as the source for a SQL Compare deployment
- */S2:WidgetServer /U2:<username> /P2:<password>* specify the server, user name, and password you are using
- */db2:WidgetTest* specifies *WidgetTest* as the target of a SQL Compare deployment
- */sync* performs the SQL Compare deployment, making the schema of *WidgetTest* the same as the schema in *WidgetDevScripts*

The database is updated. Its schema is now the same as the version you checked out of source control.

For more information, see [Simple examples using the command line](#).