# SQL Prompt 7.0 release notes

## August 18th, 2015

#### **Environment support**

You can now use SQL Prompt in:

- Management Studio 2016 CTP2
- Visual Studio 2015

The following features are now available in Visual Studio 2012 or later:

- Find invalid objects
- Script as ALTER
- Execute current statement
- Rename variables/aliases
- Encapsulate as new stored procedure
- Split table

We've removed support for Visual Studio 2005 and 2008.

### **Snippet manager improvements**

• You can now create your own placeholders in snippets. For example, the following snippet uses a **table\_name** placeholder to insert a table name in three places:

\$	SQ	L Prompt - Edit Snippet	-		×
Snippet: ctbl Description:	Type thes	e characters in the editor to insert the snippet.			
Create table statement	with existence d	heck			
Code:					
IF EXISTS (SELECT TABLE_NAME FROM INFORMATION_SCHEMA.TABLES WHERE TABLE_NAME=' <b>\$table_name\$</b> ' ) DROP TABLE <b>\$table_name\$</b> GO CREATE TABLE <b>\$table_name\$</b> ( \$CURSOR\$ ) GO					
Placeholders: 😮					$\checkmark$
# NAME		DEFAULT VALUE			
1 table_name					
		Save		Can	el

To create a placeholder, in the Code box, surround the name of the placeholder with \$, for example \$myplaceholder\$.

• Placeholders are now suggested when you type \$:

Code:		
SELECT * FROM	\$	
	\$CURSOR\$ \$DATE\$ \$DBNAME\$	Inserts the name of the connected SQL server.
	\$GUID\$ \$MACHINE\$	
	\$PASTE\$ \$SELECTEDTEXT\$	
	\$SELECTIONEND\$ \$SELECTIONSTART\$	
	\$SERVER\$	
<	\$TIME\$	>
Placeholders: 🔞	\$USER\$	↑ <b>↓</b>

• Added new \$GUID\$ and \$SELECTEDTEXT\$ placeholders

#### **Actions list**

When you select some text in a query window, SQL Prompt now shows an actions button in the margin:

ج 💭

Press Ctrl or click the button to open the actions list:

	A proc that has a dependenc	y on another proc which has been deleted
ρ		
5	be Inserts BEGINEND block.	·
	Apply casing options	lissingProcedure
	Comment	
	Create snippet	
	Expand wildcards	
	Format SQL •	r

The actions list includes the following:

- Add quotes and commas
- Remove comments
- Comment/uncomment
- Unformat
- Snippets containing the new \$SELECTEDTEXT\$ placeholder

This is useful if you want to enclose your selection in a block. For example, the following snippet code encloses your selection in a BEGIN...END block:

BEGIN \$SELECTEDTEXT\$ END

• Other existing text actions (eg Format SQL)

## Tab coloring improvements

• You can now color a server group separately from the servers in the group:

Registered Servers	<b>▼</b> ₽×	SQLCompareExampleorks	2014 (sa (54))* >	SQLQuery2.sql - TC
SQL2014     Decal Server Groups     Local Servers			T TABLE_NAME INFORMATION_S TABLE_NAME='	
SQL2012 SQL2014 tc-tomc\sql2012 tc-tomc\sql2014 Central Managemen	New Query Object Explorer Evaluate Policies Import Policies New Server Grou		n ( 	
	New Server Regis Tasks Delete Properties	stration 🕨	-	
Object Explorer	Tab Color (Group Tab Color (Serve		Production Staging	n
Connect • 🛃 🛃 🔲 🍸 🔊 🐱 🖂 TC-TOMC\SQL2014 (SQL Server 12.0.2000 - sa) 🖃 🧰 Databases 🗑 🚘 System Databases		100 % -	Testing Developm Local UAT	ent
<ul> <li>              ■ Database Snapshots             ●             ●</li></ul>	4	Messages Command(s) complet	Default Edit Enviro	nments
The lower status bar is now also	colored.			

•	The lower status bar is now also colored:					
	100 % - <					
	🖳 Connected. (1/1)	TC-TOMC\SQL2014 (12.0 RTM) sa (56) AdventureWorks2014 00:00:00	0 rows			

# Find invalid objects improvements

• You can now script invalid objects as DROP:

SQL Prompt - Invalid Objects 🗙					
Find invalid objects in: TC-TOMC\SQL2014 - sa v FindInvalidObjects v Find invalid objects @					
22 invalid objects in FindInvalidObjects 32 objects checked					
Туре	Object name	Reason invalid	^		
E Stored Procedure	dbo.InvalidProc	Invalid object name 'NonExistentTable'.			
E Stored Procedure	dbo.ProcedureExecuting	Could not find stored procedure 'dbo.MissingProc'.			
E Stored Procedure	dbo.ProcedureUsingInva	Parameter or variable '@var' has an invalid data type.			
🛃 Stored Procedure	dbo.ProcedureUsingMiss	Invalid object name 'dbo.MissingTable'.			
E Stored Procedure	dbo.ProcedureWithPara	Invalid column name 'MissingColumn'.			
E Stored Procedure	dbo.SetVariableWithInva	Cannot find either column "dbo" or the user-defined function or aggregate "dbo.No			
E Stored Procedure	dbo.uspGetEmployeeMa	Invalid object name 'HumanResources.EmployeeRename'.			
E Stored Procedure	dbo.uspGetManagerEmp	Invalid object name 'HumanResources.EmploveeRename'.	$\checkmark$		
Script selected objects as ALTER Copy script to clipboard Copy script to clipboard					

• The line containing the error is now highlighted:

,a.[AddressLine1] ,a.[AddressLine2] ,a.[City] ,sp.[Name] AS [StateProvinceName] ,a.[PostalCode] ,cr.[Name] AS [CountryRegionName] ,c.[AdditionalContactInfo] FROM [HumanResources].[EmployeeRename] e INNER JOIN [Person].[Contact] c ON c.[ContactID] = e.[ContactID] INNER JOIN [HumanResources].[EmployeeAddress] ea ON e.[EmployeeID] = ea.[EmployeeID] INNER JOIN [Person].[Address] a ON ea.[AddressID] = a.[AddressID] INNER JOIN [Person].[StateProvince] sp

#### Suggestions improvements

- · Filegroups are now suggested and casing options are applied to them when you format
- Support for new FOR JSON clause
- · Global variables are no longer suggested for assignment
- Indexes are now suggested for table hints
- MERGE statement suggestions improved
- Full suggestions for cross-database queries are disabled if a schema exists with the same name as the database
- Windows users and groups are now suggested for GRANT statements

#### Other improvements and fixes

- · Check for Updates now checks for beta releases after switching back to a stable build
- You can now configure connection and execution time-outs in the options
- When completing a table with dot, SQL Prompt will no longer insert an alias
- · New experimental feature added: Change keyboard shortcut behavior for CamelCase words
- New database loading and error popup
- Improved trial expiry popup
- When auto generating an INSERT statement SQL Prompt will now use SYSDATETIME() and SYSDATETIMEOFFSET() for DATETIME2 and DATETIMEOFFSET
- Timestamp columns are no longer included in auto-generated INSERT statements
- MS\_Description extended properties are now displayed when connected to Azure v12
- Fix for semicolon being added in the wrong position for DROP EVENT SESSION statement
- Verbose logging option added to menu
- Log files are now stored under %localappdata%\Red Gate\Logs\SQL Prompt 7
- Tab History button is now enabled immediately after a valid serial is entered
- · Memory-optimized table creation scripts are now displayed in the object definition box
- · Columnstore indexes are now displayed correctly in the object definition box
- Aggregate expressions are no longer included when expanding all non-aggregated columns
- · Qualify object names no longer changes invalid UPDATE statements
- Columns inside an OUTPUT INTO clause are no longer qualified
- Support ticket 47174: qualify object names causing UPDATE statement's table to be qualified to table alias
- Support ticket 44169: Database names are now always listed in alphabetical order
- Fix for SP-4240: "Command name 'TabColor\_Production' is not a registered command"