**Discontinued Functionality to SQL Server Reporting Services in SQL Server 2014**

**SQL Server 2014**

[Other Versions](javascript:;)

Description: http://i.msdn.microsoft.com/Areas/Epx/Content/Images/ImageSprite.png?v=635515613509633256

* [SQL Server 2012](http://msdn.microsoft.com/en-us/library/ms144231(d=printer,v=sql.110).aspx)
* [SQL Server 2008 R2](http://msdn.microsoft.com/en-us/library/ms144231(d=printer,v=sql.105).aspx)
* [SQL Server 2008](http://msdn.microsoft.com/en-us/library/ms144231(d=printer,v=sql.100).aspx)
* [SQL Server 2005](http://msdn.microsoft.com/en-us/library/ms144231(d=printer,v=sql.90).aspx)

This topic describes Reporting Services features that are no longer available in SQL Server 2014. It does not include announcements about discontinued support for specific versions of the operating system or Microsoft Internet Information Services (IIS).

[**SQL Server 2014 Reporting Services Discontinued Functionality**](javascript:void(0))

No Reporting Services features were discontinued in SQL Server 2014.

[**SQL Server 2012 Reporting Services Discontinued Functionality**](javascript:void(0))

This section describes discontinued Reporting Services functionality in SQL Server 2012.

No Reporting Services features were discontinued in SQL Server 2014.

[**SQL Server 2008 R2 Reporting Services Discontinued Functionality**](javascript:void(0))

This section describes discontinued in SQL Server 2008 R2 Reporting Services.

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| **Note** |
| Because SQL Server 2008 R2 is a minor version upgrade of SQL Server 2008, we recommend that you also review the content in the SQL Server 2008 section. |

**64-bit Platform Support**

Starting in SQL Server 2008 R2, the Reporting Services component no longer supports Itanium-based servers running Windows Server 2003 or Windows Server 2003 R2. Reporting Services continues to support other 64-bit operating systems, including Windows Server 2008 for Itanium-Based Systems and Windows Server 2008 R2 for Itanium-Based Systems. To upgrade to SQL Server 2008 R2 from a SQL Server 2008 installation with Reporting Services on an Itanium-based system edition of Windows Server 2003 or Windows Server 2003 R2, you must first upgrade the operating system.

**Data Source Credentials in URL Access**

The URL access parameter strings dsu:datasourcename=value and dsp:datasourcename=value are now discontinued. In prior versions, these parameter strings are stored in plain text in the browser cache, which is not secure.

# Deprecated Features in SQL Server Reporting Services in SQL Server 2014

**SQL Server 2014**

[Other Versions](javascript:;)

Description: http://i.msdn.microsoft.com/Areas/Epx/Content/Images/ImageSprite.png?v=635515613509633256

* [SQL Server 2012](http://msdn.microsoft.com/en-us/library/ms143509(d=printer,v=sql.110).aspx)
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* [SQL Server 2008](http://msdn.microsoft.com/en-us/library/ms143509(d=printer,v=sql.100).aspx)
* [SQL Server 2005](http://msdn.microsoft.com/en-us/library/ms143509(d=printer,v=sql.90).aspx)

This topic describes the deprecated Reporting Services features. The features are still available in the release in which they are deprecated; however the features are scheduled to be removed in a future release of SQL Server. Deprecated features should not be used in new applications.

# [SQL Server 2014 Reporting Services Deprecated Features](javascript:void(0))

# Features Not Supported in the Next Version of SQL Server

The following Reporting Services features will not be supported in the next version of SQL Server. Do not use these features in new development work, and modify applications that currently use these features as soon as possible.

#### HTML Rendering Extension Device Information Settings

The following device information settings for the HTML rendering extension are deprecated.

* ActionScript
* ActiveXControls
* GetImage
* OnlyVisibleStyles
* ReplacementRoot
* ResourceStreamRoot
* StreamRoot
* UsePx
* Zoom

#### Microsoft Word and Microsoft Excel 1997-2003 Rendering

The Reporting Services BIFF8 rendering extensions Reporting Services reports to the Microsoft Word and Microsoft Excel 1997-2003 binary interchange file format. SQL Server 2014 includes extensions that render in the Microsoft Office 2007-2010 Open XML format.

#### Report Definition Language (RDL) 2005 and Earlier

Report Definition Language (RDL) 2005 and earlier is deprecated. For more information about RDL, see [Report Definition Language (SSRS)](http://msdn.microsoft.com/en-us/library/ms155062.aspx).

#### SQL Server 2005 and earlier Custom Report Items

Custom Report Items (CRI) compiled for SQL Server Reporting Services 2005 and earlier are deprecated.

#### Reporting Services Snapshots 2005 and earlier

Reporting Services snapshots rendered with SQL Server Reporting Services 2005 and earlier are deprecated.

#### Report Models

Semantic modeling language (SMDL) report models are deprecated. Although you can you continue to use existing report models as data sources in SQL Server 2014 Reporting Services reports you should consider updating your reports to remove their dependency on report models.

SQL Server 2014 Reporting Services does not include tools for creating or updating report models. For more information, see [Breaking Changes in SQL Server Reporting Services in SQL Server 2014](http://msdn.microsoft.com/en-us/library/ms143380.aspx).

#### Deprecated Methods in the Web Service Endpoint

The following operations are deprecated in the [ReportingService2010](http://msdn.microsoft.com/en-us/library/reportservice2010.reportingservice2010.aspx) Web service endpoint:

* [GetProperties(String, Property[])](http://msdn.microsoft.com/en-us/library/reportservice2010.reportingservice2010.getproperties.aspx)
* [IsSSLRequired()](http://msdn.microsoft.com/en-us/library/reportservice2010.reportingservice2010.issslrequired.aspx)

#### SharePoint Web Parts

The installation cabinet file RSWebParts.cab and the SharePoint web parts that can be extracted from the cab file, are deprecated. The deprecated web parts are Report Explorer (SPExplorer.dwp) and Report Viewer (SPViewer.dwp).

### Features Not Supported in a Future Version of SQL Server

The following Reporting Services features are supported in the next version of SQL Server, but will be removed in a later version. The specific version of SQL Server has not been determined.

No Reporting Services features were deprecated in SQL Server 2014.

### [SQL Server 2012 SP1 Reporting Services Deprecated Features](javascript:void(0))

This section describes Reporting Services features deprecated in SQL Server 2012 SP1. The following Reporting Services features are supported in the next version of Reporting Services, but will be removed in a later version. The specific version of Reporting Services has not been determined.

### SharePoint Web Parts

The installation cabinet file RSWebParts.cab and the SharePoint web parts that can be extracted from the cab file, are deprecated. The deprecated web parts are Report Explorer (SPExplorer.dwp) and Report Viewer (SPViewer.dwp).

### [SQL Server 2012 Reporting Services Deprecated Features](javascript:void(0))

This section describes Reporting Services features deprecated in SQL Server 2012.

### HTML Rendering Extension Device Information Settings

The following device information settings for the HTML rendering extension are deprecated.

* ActionScript
* ActiveXControls
* GetImage
* OnlyVisibleStyles
* ReplacementRoot
* ResourceStreamRoot
* StreamRoot
* UsePx
* Zoom

### Microsoft Word and Microsoft Excel 1997-2003 Rendering

The Reporting Services BIFF8 rendering extensions Reporting Services reports to the Microsoft Word and Microsoft Excel 1997-2003 binary interchange file format. SQL Server 2014 includes extensions that render in the Microsoft Office 2007-2010 Open XML format.

### Report Definition Language (RDL) 2005 and Earlier

Report Definition Language (RDL) 2005 and earlier is deprecated. For more information about RDL, see [Report Definition Language (SSRS)](http://msdn.microsoft.com/en-us/library/ms155062.aspx).

### SQL Server 2005 and earlier Custom Report Items

Custom Report Items (CRI) compiled for SQL Server Reporting Services 2005 and earlier are deprecated.

### Reporting Services Snapshots 2005 and earlier

Reporting Services snapshots rendered with SQL Server Reporting Services 2005 and earlier are deprecated.

### Report Models

Semantic modeling language (SMDL) report models are deprecated. Although you can you continue to use existing report models as data sources in SQL Server 2014 Reporting Services reports you should consider updating your reports to remove their dependency on report models.

SQL Server 2014 Reporting Services does not include tools for creating or updating report models.

### Deprecated Methods in the Web Service Endpoint

The following operations are deprecated in the [ReportingService2010](http://msdn.microsoft.com/en-us/library/reportservice2010.reportingservice2010.aspx) Web service endpoint:

* [GetProperties(String, Property[])](http://msdn.microsoft.com/en-us/library/reportservice2010.reportingservice2010.getproperties.aspx)
* [IsSSLRequired()](http://msdn.microsoft.com/en-us/library/reportservice2010.reportingservice2010.issslrequired.aspx)

### [SQL Server 2008 R2 Reporting Services Deprecated Features](javascript:void(0))

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| **Note** |
| Because SQL Server 2008 R2 is a minor version upgrade of SQL Server 2008, we recommend that you also review the content in the SQL Server 2008 section. |

### Report Server Web Service Endpoints

The Web services [ReportingService2005](http://msdn.microsoft.com/en-us/library/reportservice2005.reportingservice2005.aspx) and [ReportingService2006](http://msdn.microsoft.com/en-us/library/reportservice2006.reportingservice2006.aspx) have been deprecated in this release. These endpoints have been replaced by a new endpoint: [ReportingService2010](http://msdn.microsoft.com/en-us/library/reportservice2010.reportingservice2010.aspx).

The new endpoint includes all the functionality available in the deprecated endpoints and the new features introduced in SQL Server 2008 R2.

**Breaking Changes in SQL Server Reporting Services in SQL Server 2014**

**SQL Server 2014**

[Other Versions](javascript:;)

Description: http://i.msdn.microsoft.com/Areas/Epx/Content/Images/ImageSprite.png?v=635515613509633256

* [SQL Server 2012](http://msdn.microsoft.com/en-us/library/ms143380(d=printer,v=sql.110).aspx)
* [SQL Server 2008 R2](http://msdn.microsoft.com/en-us/library/ms143380(d=printer,v=sql.105).aspx)
* [SQL Server 2008](http://msdn.microsoft.com/en-us/library/ms143380(d=printer,v=sql.100).aspx)
* [SQL Server 2005](http://msdn.microsoft.com/en-us/library/ms143380(d=printer,v=sql.90).aspx)

This topic describes breaking changes in Reporting Services. These changes might break applications, scripts, or functionalities that are based on earlier versions of SQL Server. You might encounter these issues when you upgrade, or in custom scripts or reports.

[**SQL Server 2014 Reporting Services Breaking Changes**](javascript:void(0))

There are no Reporting Services breaking changes in SQL Server 2014.

[**SQL Server 2012 Reporting Services Breaking Changes**](javascript:void(0))

**SharePoint Mode Server References Require the SharePoint Site**

You cannot browse or reference directly to the Report Server using the virtual directly name in the URL path. For example:

http://<Server name>/ReportServer

It is now required that you include the SharePoint site in the URL path. For example, if your site name is ‘videos’ and used the ‘sites’ prefix, the URL would look similar to the following:

http://<Server Name>/sites/videos/\_vti\_bin/ReportServer

**Changes to SharePoint Mode Command-Line Installation**

The input setting /RSINSTALLMODE only works with Native mode installations and it does not work for SharePoint mode installations. For example, the following is not supported in SQL Server 2014: /RSINSTALLMODE="DefaultSharePointMode”. In place of that input setting, use /RSSHPINSTALLMODE="DefaultSharePointMode".

The following statement is an example of a complete installation command and parameter set: setup /ACTION=install /FEATURES=SQL,RS /InstanceName=Denali\_INST1 …. /RSSHPINSTALLMODE="DefaultSharePointMode"

**The Reporting Services WMI Provider no longer supports Configuration of SharePoint Mode**

The Configuration of Reporting Services SharePoint is now completed using PowerShell cmdlets and SharePoint Central Administration. The new SharePoint mode architecture utilizes the SharePoint services architecture. SharePoint does not support WMI interfaces.

These changes affect the following list of components and work flows:

* Custom applications that use the Reporting Services WMI provider for Reporting Services in SharePoint mode.
* The Reporting Services Configuration Manager, rskeymgmt.exe, and rsconfig.exe. Instead of using those utilities for configuration of Reporting Services SharePoint mode, use SharePoint Central Administration and PowerShell.
* SQL Server Management Studio: Customers cannot reference a server with syntax similar to <machine\_name>/<instance\_name>. Starting with the SQL Server 2008 release, the recommended method was to use a SharePoint site URL. For example, http://<sharepoint\_server>/<sharePoint\_site>. Starting with SQL Server 2012, a SharePoint site URL is the only supported syntax.

**Report Model Designer is not available in SQL Server Data Tools**

SQL Server Data Tools (SSDT) no longer supports report model projects. The Report Model designer is not available in SQL Server 2014 Reporting Services (SSRS). You cannot create new Report Model projects or open existing projects in SQL Server Data Tools (SSDT) and you cannot create or update report models. To update report models, you can use SQL Server 2008 R2 Reporting Services or earlier tools. You can continue to use report models as data sources in reports authored in SQL Server 2014 Reporting Services (SSRS) tools such as Report Builder and Report Designer. The query designer that you use to create queries to extract report data from report models continues to be available in SQL Server 2012 Reporting Services.

[**SQL Server 2008 R2 Reporting Services Breaking Changes**](javascript:void(0))

This section describes breaking changes in SQL Server 2008 R2 Reporting Services.

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| **Note** |
| Because SQL Server 2008 R2 is a minor version upgrade of SQL Server 2008, we recommend that you also review the content in the SQL Server 2008 section. |

**Expanded CSV Data Renderer**

In SQL Server 2008 R2 Reporting Services, the CSV file includes chart and gauge data. Applications that depend on a previous CSV file structure will no longer work because of the additional columns for charts and gauges.

# Behavior Changes to SQL Server Reporting Services in SQL Server 2014

**SQL Server 2014**

[Other Versions](javascript:;)

Description: http://i.msdn.microsoft.com/Areas/Epx/Content/Images/ImageSprite.png?v=635515613509633256

* [SQL Server 2012](http://msdn.microsoft.com/en-us/library/ms143200(d=printer,v=sql.110).aspx)
* [SQL Server 2008 R2](http://msdn.microsoft.com/en-us/library/ms143200(d=printer,v=sql.105).aspx)
* [SQL Server 2008](http://msdn.microsoft.com/en-us/library/ms143200(d=printer,v=sql.100).aspx)
* [SQL Server 2005](http://msdn.microsoft.com/en-us/library/ms143200(d=printer,v=sql.90).aspx)

This topic describes behavior changes in Reporting Services. Behavior changes affect how features work or interact in SQL Server 2014 as compared to previous versions of SQL Server.

# [SQL Server 2014 Reporting Services Behavior Changes](javascript:void(0))

There are no Reporting Services behavior changes in SQL Server 2014.

# [SQL Server 2012 Reporting Services Behavior Changes](javascript:void(0))

This section describes behavior changes to Reporting Services SharePoint mode.

# View Items permission will not download Shared Datasets (SharePoint Mode)

New Behavior: Users with the SharePoint permission of “View Items” can no longer download the contents of Reporting Services shared datasets. This behavior change is now consistent with the “View Items” permissions for reports, data sources, and models. Users with “View Items” permission can view and execute reports, data sources, and models but they cannot download their content.

Previous Behavior: Users with the “View Items” SharePoint permission could download the contents of Reporting Services shared datasets.

# Report Server trace logs are in a new location for SharePoint mode (SharePoint Mode)

New behavior: For a report server installed in SharePoint mode, the report server trace logs will be under %Programfiles%\Common Files\Microsoft Shared\Web Server Extensions\14\Web Services\ReportServer\LogFiles.

Previous Behavior: Report Server trace logs were found under a path similar to the following: %Programfilesdir%\Microsoft SQL Server\<RS\_instance>\Reporting Services\LogFiles

# GetServerConfigInfo SOAP API is no longer supported (SharePoint Mode)

New behavior: Use PowerShell cmdlet “Get-SPRSServiceApplicationServers”

Previous Behavior: Customers could develop SOAP client code to communicate directly with the Reporting Services end point, and call GetReportServerConfigInfo().

# Report Server Configuration and Management Tools

#### Configuration Manager is not used for SharePoint Mode

New behavior: The Reporting Services Configuration Manager no longer supports SharePoint Mode report servers. Configuration of Reporting Services SharePoint mode can now be completed by using SharePoint Central administration and therefore Reporting Services Configuration Manager no longer supports SharePoint mode. Configuration Manager is now only used for Native mode report servers.

#### You cannot change the server from one mode to another

New behavior: You cannot change server modes. If you install a report server as Native mode you cannot change or re-configure it to be SharePoint mode. If you install in SharePoint mode, you can change the report server to native mode.

Previous Behavior: Customer installs a Reporting Services report server in SharePoint mode. If the customer wants to switch the report server to Native mode, they could open the Reporting Services configuration manager to switch to Native mode by either creating a new or connecting to an existing Native mode database. The customer could also use Reporting Services Configuration Manager to switch from SharePoint mode to Native mode.

# [SQL Server 2008 R2 Reporting Services Behavior Changes](javascript:void(0))

This section describes behavior changes in SQL Server 2008 R2 Reporting Services.

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| **Note** |
| Because SQL Server 2008 R2 is a minor version upgrade of SQL Server 2008, we recommend that you also review the content in the SQL Server 2008 section. |

# SecureConnectionLevel Property in the Reporting Services WMI Provider Library

In the WMI provider library for SQL Server 2008 Reporting Services, the **SecureConnectionLevel** property allows values of 0,1,2,3, with 0 indicating that Secure Socket Layer (SSL) is not required for any of the Web service methods, 3 indicating that SSL is required for all the Web service methods, and 1 and 2 indicate subsets of Web service methods that require SSL. In SQL Server 2008 Reporting Services, these values will have only two possible meanings:

* 0 indicates SSL is not required for any of the Web service methods.
* A positive integer indicates SSL is required for all the Web service methods.

This change affects how the report server responds to Web service calls. For example, [ListSecureMethods](http://msdn.microsoft.com/en-us/library/reportservice2005.reportingservice2005.listsecuremethods.aspx) now returns nothing if **SecureConnectionLevel** is set to 0 and all the methods in [ReportingService2005](http://msdn.microsoft.com/en-us/library/reportservice2005.reportingservice2005.aspx) if **SecureConnectionLevel** is set to 1, 2, or 3.