

# CAPITA

## Capita One v4 migration to SQL Server 2012 SP1

July 2014

Customer Guide

one



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# 01 | Capita One v4 migration to SQL Server 2012 SP1 Customer Guide

## Scope

This document is a guide to assist customers migrating Microsoft SQL Server 2008 including SSRS to Microsoft SQL Server 2012 SP1 SP1, which is a requirement of the One Architecture technology roadmap.

SQL Server 2012 SP1 is supported from the One Summer 2014 Release (3.54); support for SQL Server 2008 will end with the One Autumn 2014 Release (3.55).

The document assumes that the environment is configured according to the One Technical recommended specifications and that SQL Server 2012 SP1 SP1 is being installed on a machine that already contains a current SQL Server 2008 installation.

The guidance will not be accurate for non-standard configurations or where the SQL Server 2012 SP1 instance is being installed on a SQL cluster or new server, however the document can be used as a guide.

For more information regarding SQL Server 2012 SP1 licensing, visit the link below:

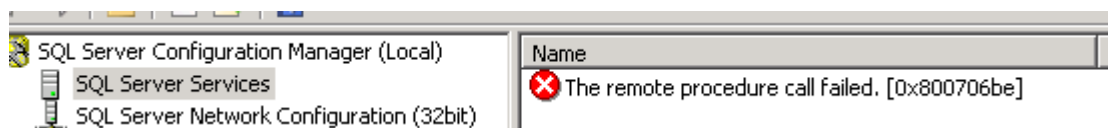
[http://download.microsoft.com/download/7/3/C/73CAD4E0-D0B5-4BE5-AB49-D5B886A5AE00/SQL\\_Server\\_2012\\_Licensing\\_Reference\\_Guide.pdf](http://download.microsoft.com/download/7/3/C/73CAD4E0-D0B5-4BE5-AB49-D5B886A5AE00/SQL_Server_2012_Licensing_Reference_Guide.pdf)

## Prerequisites

A full list of hardware and software system requirements is available on the Microsoft website at the following location:

<http://msdn.microsoft.com/en-us/library/ms143506.aspx>

- SQL Server 2012 SP1 can be installed alongside SQL Server 2008 providing that the requirements above are met within this configuration.
- Once SQL Server 2012 SP1 is installed, the SQL Server 2008 SP1 Configuration Manager will no longer function if on the same server and the SQL Server 2012 SP1 Configuration Manager will need to be used to manage all instances, to resolve this issue 2008 SP3 should be applied to the existing instance before migration:



- The following must be installed after the main SQL Server installation is completed: KB2793634 - <http://support.microsoft.com/kb/2793634>
- Whether the web service components reside on the One v4 Mid-Tier servers or the One Online Web Server, the references for these components will need to be updated to point to the newly configured SQL 2012 instance and databases. This includes eStart, PRIME Portal etc.
- PRIME Portal Custom Authentication is compatible with SQL Server 2012 from the One Summer 2014 Release (3.54). There are now two separate releases of PRIME, one designed for use with SQL Server 2008, and one for SQL Server 2012.
- The SQL Server 2012 compatible release of PRIME must be installed when using SQL Server 2012.

- A case should be logged with the One Service Desk for the Web Server changes 3 days before changes are implemented to the environment.

## Installing SQL Server 2012 SP1

1. A default instance of SQL Server 2012 should be installed under a unique instance name (All features except SSRS and the Distributed Replay features).
2. The Shared Feature directory should be changed to a different directory than the existing 2008 SQL Server Shared directory (Non Default).
3. All SQL service accounts should be set to start automatically and run under the System account.
4. Collation should be set to Latin1\_General\_CI\_AS.

## Installing SSRS 2012 Instance(s)

1. Install an instance of SSRS 2012 with a unique instance name.

**IMPORTANT NOTE:** Please note that the instance name must be 7 characters or more and the instance name cannot have an underscore inside it or any special characters

2. The SSRS Service account should be set to start automatically and use the Network Service Account.

## Installing KB2793634 Update

Install KB2793634 update and apply to all SQL 2012 instances.

## Migrating databases from SQL Server 2008 to SQL Server 2012 SP1

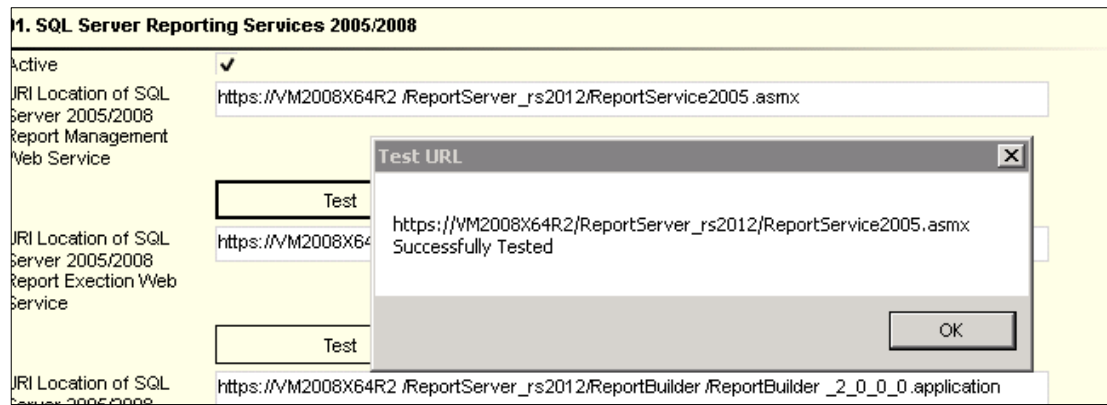
1. Back up all databases within the 2008 database instance.
2. Connect to the new 2012 database instance and restore the databases ensuring the datafiles etc. are restored to the new directory structure for SQL 2012.

## Configuring SSRS 2012

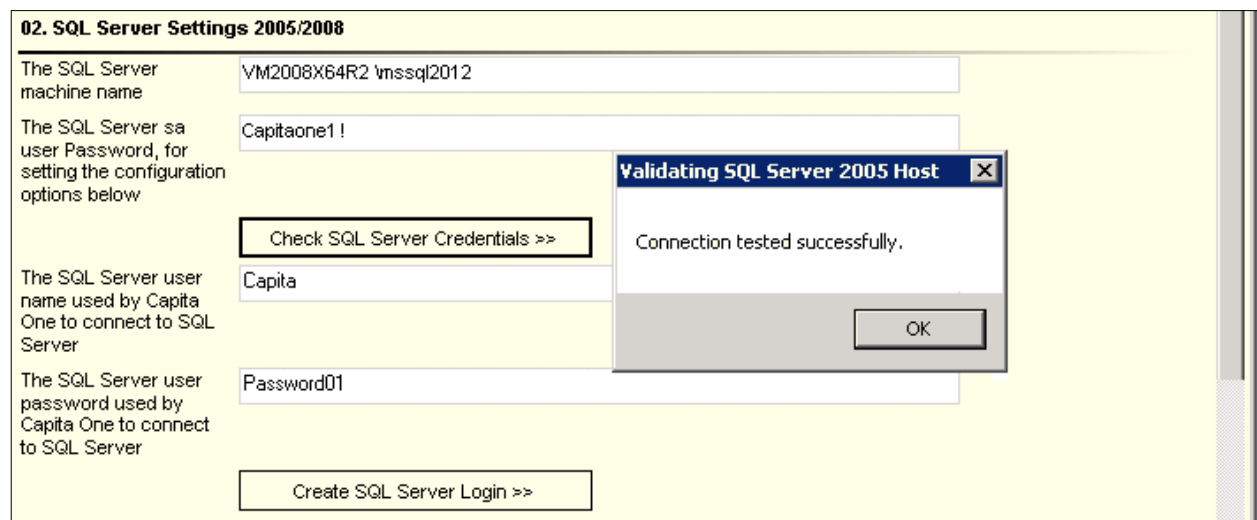
1. Connect to SSRS 2008 Configuration Manager and back up the encryption key for the instance.
2. Connect to SSRS 2012 Configuration Manager and configure the service URL's, connect the instance to the restored 2012 Report Server database.
3. Restore the encryption key backed up from SSRS 2008.
4. Remove any old instances from the scale out deployment once the key has been restored.

## Post Migration Mid-Tier Configuration Changes

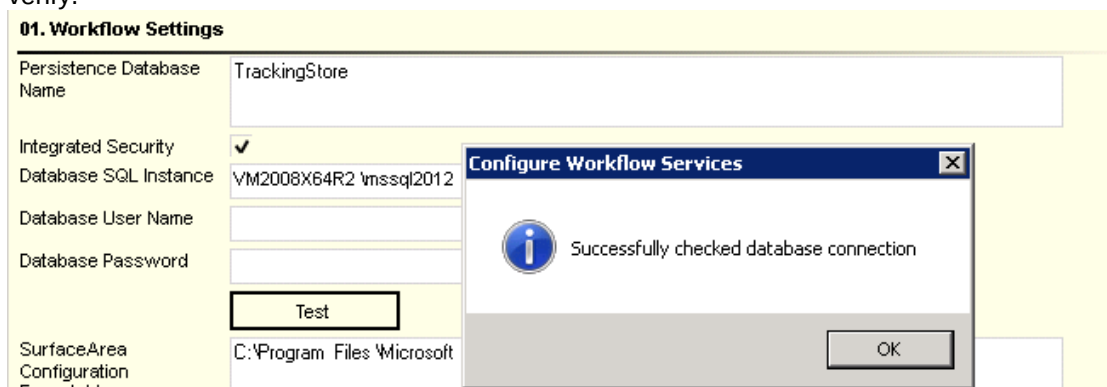
1. On the server where the CCSReportServer v4 component is located, open the CCS Enterprise Configuration Utility and select the instance name from the drop down box in the **Report Servers** tab.
2. Amend the URL's in section 1 to reflect the new SSRS 2012 URL's specified in the SSRS 2012 Configuration Utility. Ensure that each one is tested successfully.



3. Amend the SQL Server machine name and sa password in section 2 to reflect the SQL 2012 instance. Check that the tool can connect by clicking **Check SQL Server Credentials** button.
4. Save the settings and navigate to the **Workflow Servers** tab.



5. Within section 1 of the **Workflow Servers** tab, update the Database SQL Instance to reflect the new SQL 2012 instance and ensure the database name is correct. Click the **Test** button to verify.



6. Click OK and close the CCS Configuration utility.

## Prime Portal Custom Authentication

**IMPORTANT NOTE:** If PRIME custom authentication is installed on the environment as part of PRIME or PRIME Portal, the authentication will need to be reapplied as this will be removed as part of the migration process. Please follow the guidance supplied with the PRIME releases for instructions on how to apply this.

## Post Migration One Online Web Server Changes

Whether the web service components are residing on the One v4 Mid-Tier servers or the One Online Web Server, the references for these components will need to be updated to point to the newly configured SQL 2012 instance and databases. This includes eStart, PRIME Portal etc.

For web server changes following the migration, a case should be logged with the One Service Desk 3 days before changes are implemented to the environment.