Tech Note 1009
How to Get the Application Server and Microsoft SQL Versions from the Galaxy Backup File

Topic#: 002841
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Introduction

This *Tech Note* is describes getting and viewing the Application Server version and Microsoft SQL Server version from the Galaxy backup file.

Application Versions

- Application Server 2.1 and later (includes 4.0)

Procedure

1. Rename the Galaxy backup .**cab** to Galaxybackup.**zip**.
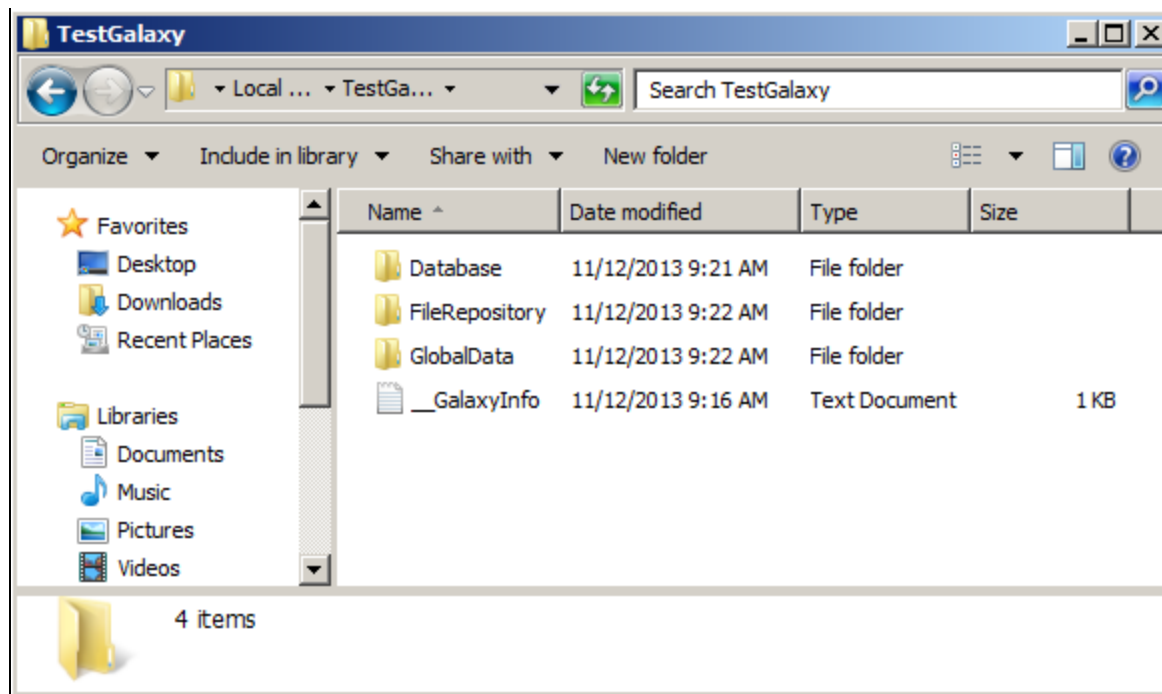
2. Extract **Galaxybackup.zip**.

FIGURE 1: EXTRACTED GALAXYBACKUP.ZIP

3. From the extracted folder open the **GalaxyInfo.txt** file.

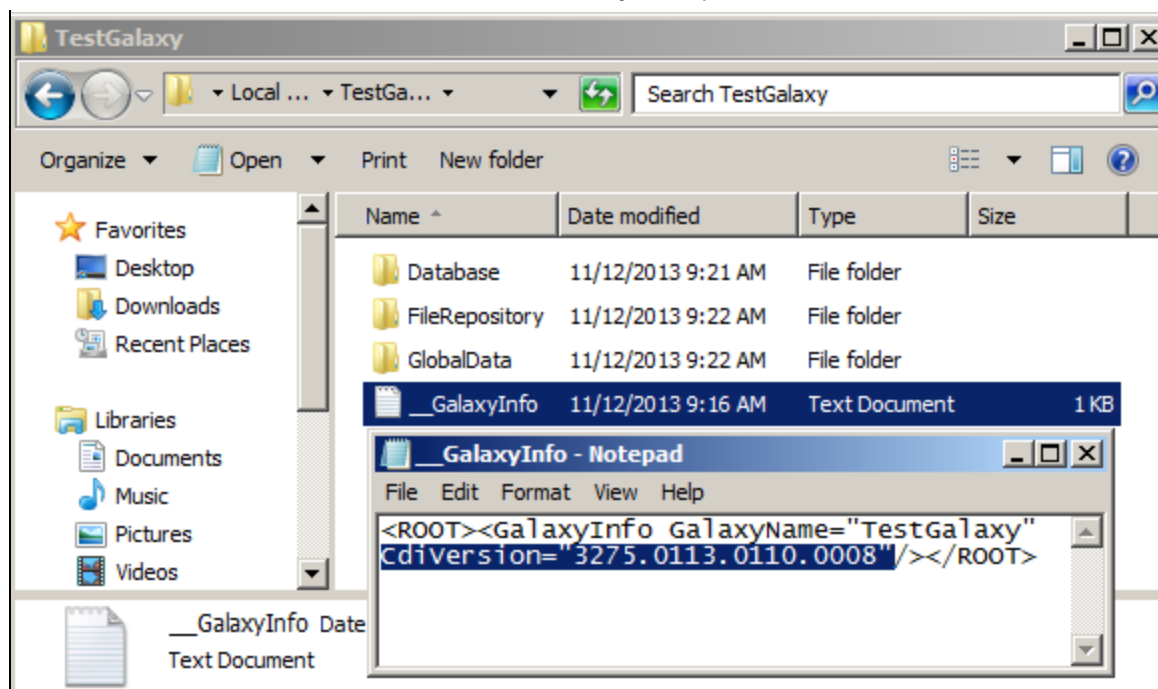   You can find **CdiVersion** that refers to the Application server version.

FIGURE 2: GALAXYINFO.TXT

The following list provides the **CdiVersion** for each Application Server version:

```
[IAS 2.1]
2.1 Released 2559.1144.0.0
2.1 Patch01 2559.1144.66.12
2.1 Patch02 2559.1144.77.14

[WAS 3.0]
3.0 Released 2859.1293.0.0
3.0 Patch01 2859.1293.24.2
3.0 Patch02 2859.1293.53.4
3.0 Patch03 2859.1293.70.5
3.0SP1 2859.1293.95.15
3.0SP2 2859.1293.239.40

[WAS 3.1]
3.1 3132.57.0.0
3.1SP1 3132.57.24.6
3.1SP2 3132.57.91.24
3.1SP2P01 3132.57.103.28
3.1SP3 3132.57.119.34
3.1SP3P01 3132.57.160.38

[ASP 3.5]
3.5 3275.0113.0000.0000
```

```
3.5 Patch01 3275.113.110.8

[ASP 3.6]
3.6 3388.0127.0000.0000
3.6 Patch01 3388.0127.0126.0006

[ASP 4.0]
4.0 3502.0148.0000.0000
```

Note: You can use the same **CdiVersion** list to verify a PC's installation by checking the **wwCdi.dll** version (Figure 3 below).
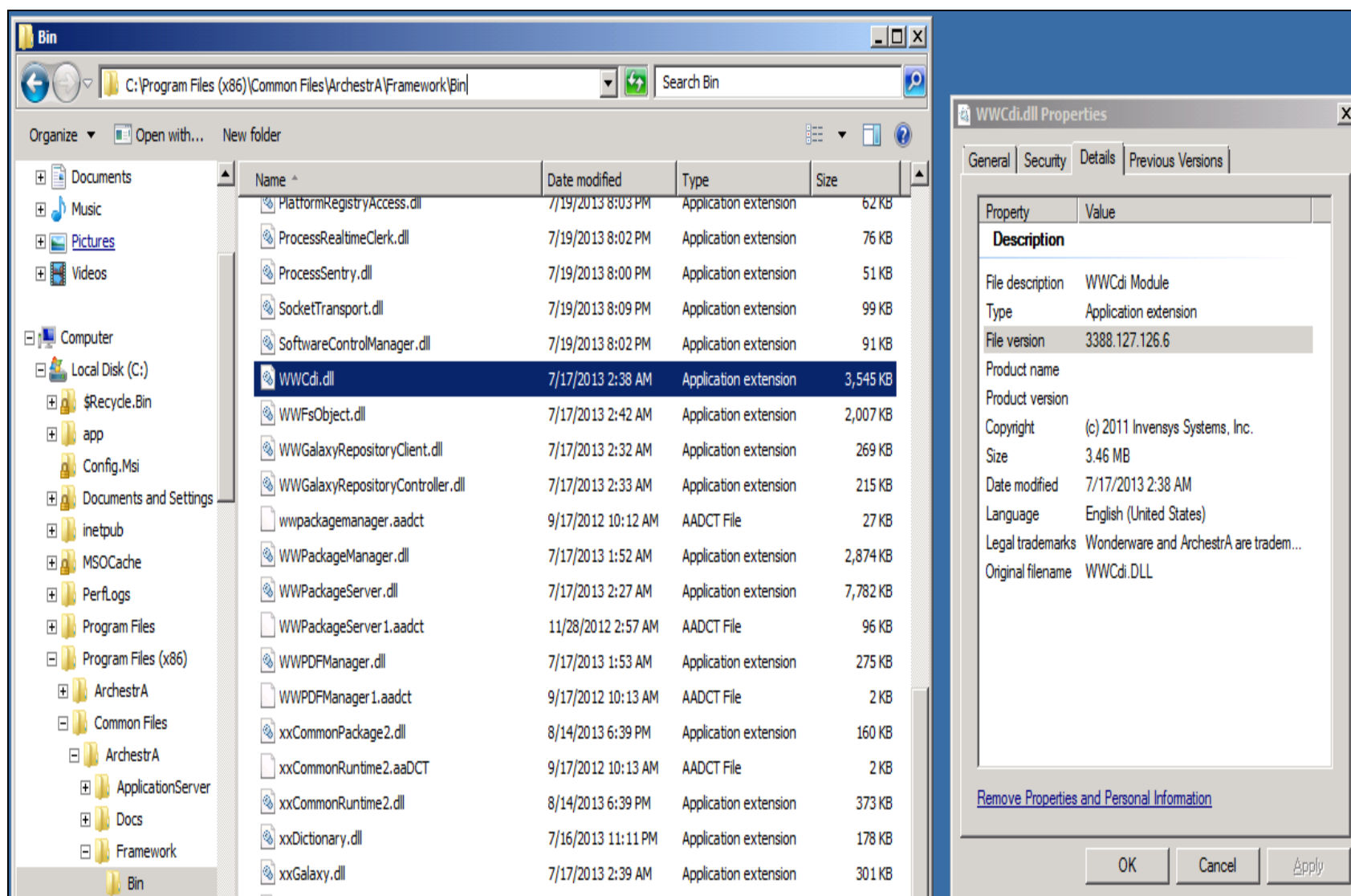

FIGURE 3: WWCDI.DLL PROPERTIES INCLUDES VERSION

How to Get SQL Server Backup Details from the Galaxy Backup

You can get the SQL Server backup details from the Galaxy backup file using The **RESTORE HEADERONLY** option. This option allows you to see the backup header information for all backups on a particular backup device. In most cases each backup you create has only one backup stored in a physical file, so you will probably only see one header record.

If you had multiple backups in one file you would see the information for each backup.

1. Change the Galaxy backup **.cab** name to **Galaxybackup.zip**.
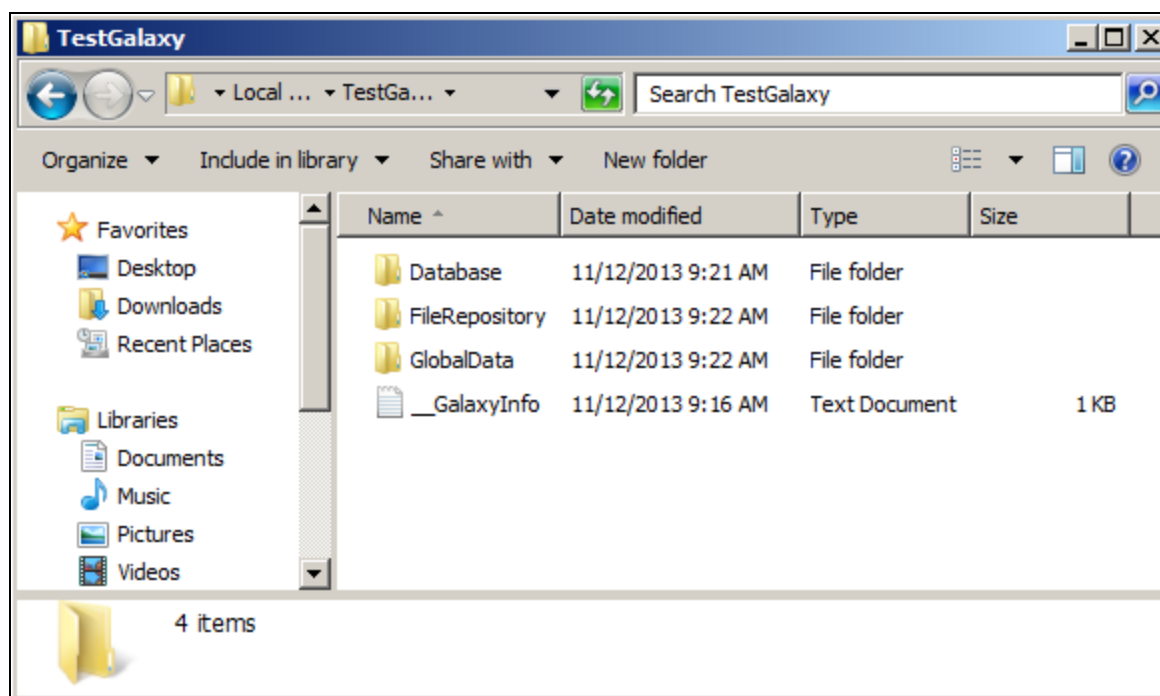
2. Extract Galaxybackup.zip.

FIGURE 4: EXTRACT GALAXYBACKUP.ZIP

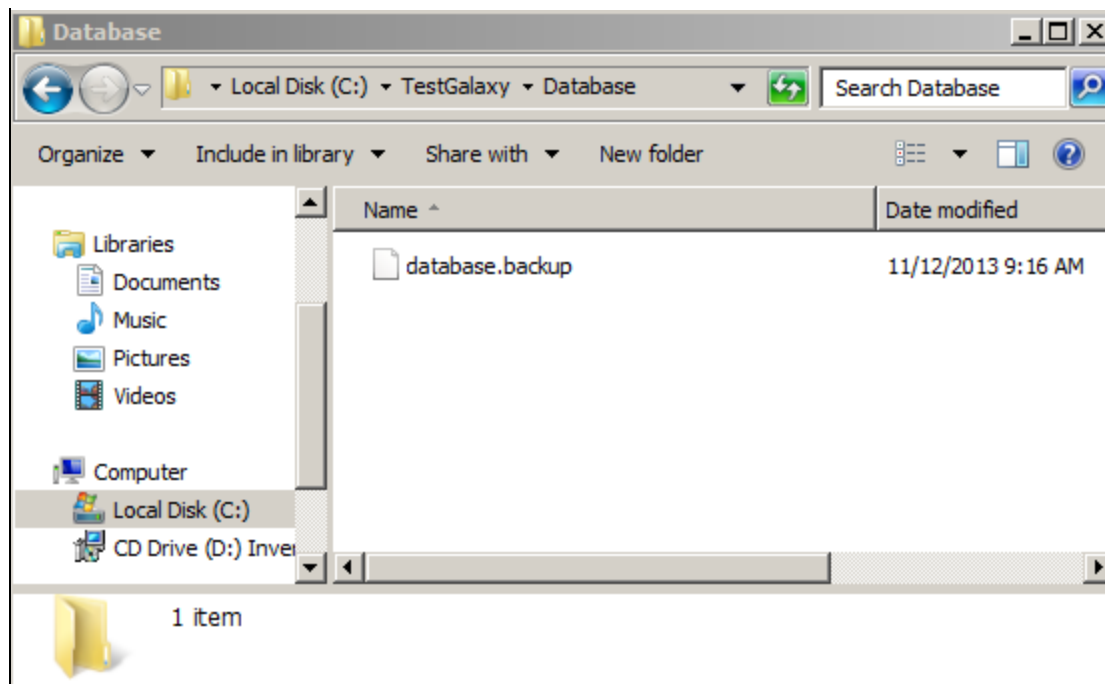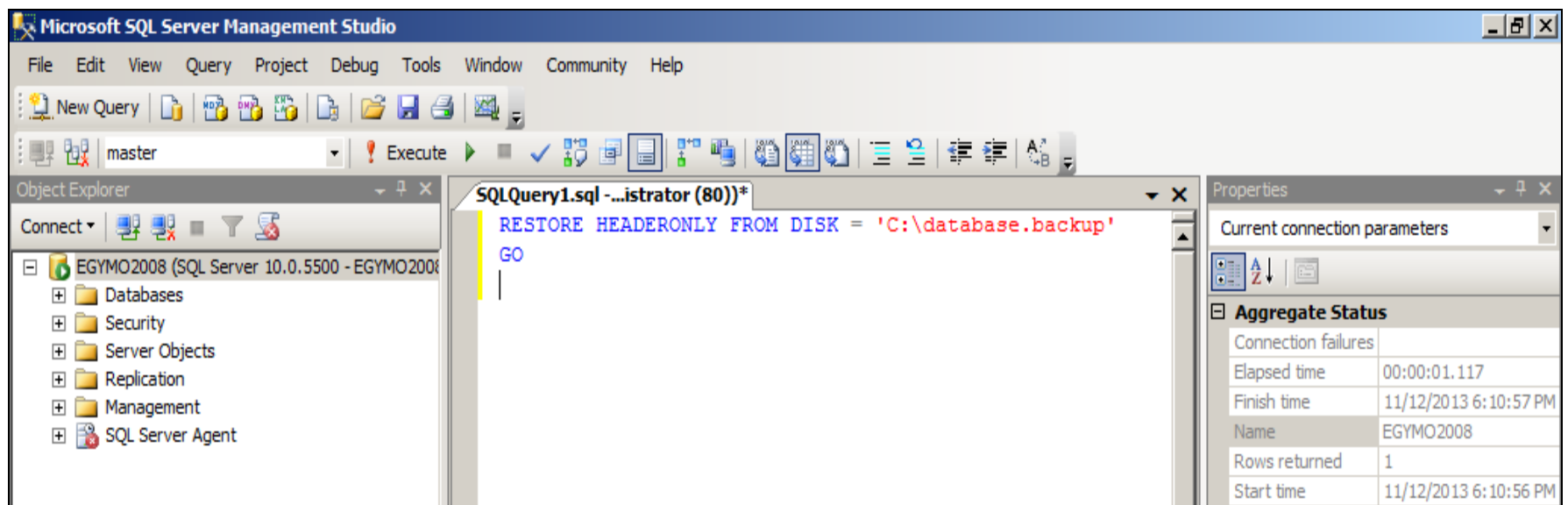3. Copy **database.backup** from folder database to the C:\ drive.

FIGURE 5: COPY DATABASE.BACKUP TO C:\ DRIVE

4. Open SQL server Management Studio from the Start menu.

5. Get header only information from a full back up by running the following SQL statement.

```
RESTORE HEADERONLY FROM DISK = 'C:\database.backup'
GO
```
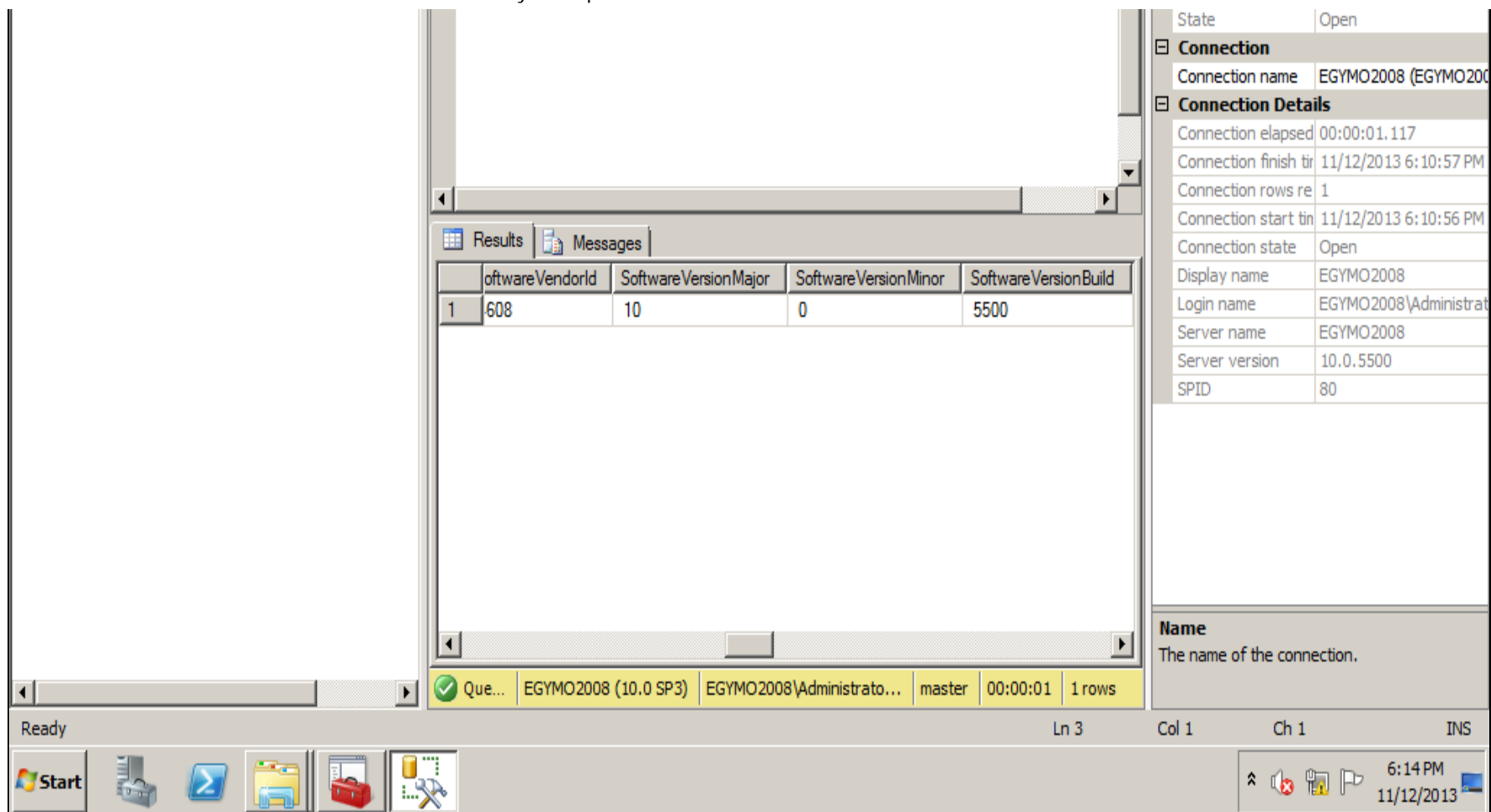
FIGURE 6: SQL QUERY

6. You can see Microsoft SQL Server versions from the following three columns.

   • SoftwareVersionMajor.
   • SoftwareVersionMinor.
   • SoftwareVersionBuild.

7. In provided example the version is **10.0.5500**, which represents Microsoft SQL server 2008 SP3.

   The following table represents version numbers for all Microsoft SQL servers.

	RTM (Gold, no SP)	SP1	SP2	SP3	SP4
SQL Server 2012	11.00.2100.60	**11.00.3000**			

codename Denali

SQL Server 2008 R2 codename Kilimanjaro	10.50.1600.1	10.50.2500	10.50.4000		
SQL Server 2008 codename Katmai	10.00.1600.22	10.00.2531	10.00.4000	10.00.5500	
SQL Server 2005 codename Yukon	9.00.1399.06	9.00.2047	9.00.3042	9.00.4035	9.00.5000
SQL Server 2000 codename Shiloh	8.00.194	8.00.384	8.00.532	8.00.760	8.00.2039
SQL Server 7.0 codename Sphinx	7.00.623	7.00.699	7.00.842	7.00.961	7.00.1063

For more info about **RESTORE LABELONLY**, visit that link **http://technet.microsoft.com/en-us/library/ms178536.aspx**.

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For technical support questions, send an e-mail to **wwsupport@invensys.com**.

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