



# UPGRADE MICROSOFT® SQL SERVER EXPRESS FOR HP WEB JETADMIN

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## OVERVIEW

By default HP Web Jetadmin uses Microsoft® SQL Server 2008 Express or SQL Server 2012 SP2 Express. This white paper explains when SQL Server 2012 SP2 Express is used and how SQL Server 2008 Express can be upgraded to SQL Server 2012 SP2 Express for HP Web Jetadmin.

## VERSIONS OF SQL SERVER EXPRESS THAT HP WEB JETADMIN USES (AFTER A DEFAULT INSTALLATION)

HP Web Jetadmin 10.3 SR8 uses SQL Server 2008 Express or SQL Server 2012 SP2 Express depending on whether it is a new installation or an upgrade from an older version. New installations of HP Web Jetadmin 10.3 SR8 and later use SQL Server 2012 Express SP2. Older installations of HP Web Jetadmin or installations that were upgraded from 10.3 SR7 and earlier to 10.3 SR8 and later continue to use SQL Server 2008 Express.

## DETERMINE WHICH VERSION OF SQL SERVER EXPRESS IS INSTALLED

There are several methods to determine which version of SQL Server Express is installed.

### Method 1—Add/Remove Programs

The product version is displayed in Add/Remove Programs.

The following table provides an overview of the relevant releases and product versions.

Release	Product version
SQL Server 2008 SP3 Express	10.00.5500.00
SQL Server 2008 SP2 Express	10.00.4000.00
SQL Server 2008 SP1 Express	10.00.2531.00
SQL Server 2008 Express RTM	10.00.1600.22
SQL Server 2012 SP2 Express	11.0.5058.0
SQL Server 2012 SP1 Express	11.00.3000.00
SQL Server 2012 Express RTM	11.00.2100.60

However, different versions of SQL Server Express might be listed in Add/Remove Programs. For example, if Microsoft SQL Server Management Studio is installed, another method must be used to find the product version.

### Method 2—Error logs

Look at the first few lines of any ERRORLOG.*n* file for the HPWJA instance. The error logs are available in a location similar to one of the following:

- C:\Program Files\Microsoft SQL Server\MSSQL10.SQLEXPRESS\MSSQL\Log
- C:\Program Files\Microsoft SQL Server\MSSQL11.HPWJA\MSSQL\Log

The version is listed in the first line of all the ERRORLOG.*n* files.



## Back up the data and HP Web Jetadmin settings

1. Stop the HP Web Jetadmin service.
2. Open a command prompt with administrative rights, and go to the following directory:  
C:\Program Files\HP Inc\Web Jetadmin 10\WJABackupRestore
3. Run the backup.bat file.
4. Copy the \*.dat file and Settings directory that were created in the WJABackupRestore directory to a different location.

The \*.dat file contains a backup of the database. The Settings directory contains all the settings for HP Web Jetadmin.

## Method A (Upgrade)

SQL Server 2008 Express cannot be upgraded to SQL Express SP2 2012 in one step because the upgrade requires a minimum of SQL Server 2008 SP2 Express. The upgrade can be started only after a backup is created and SQL Server 2008 SP3 Express and SQL Server 2012 SP2 Express are downloaded.

To download SQL Server 2008 SP3 Express, go to the following website:

[www.microsoft.com/en-us/download/details.aspx?id=27597](http://www.microsoft.com/en-us/download/details.aspx?id=27597)

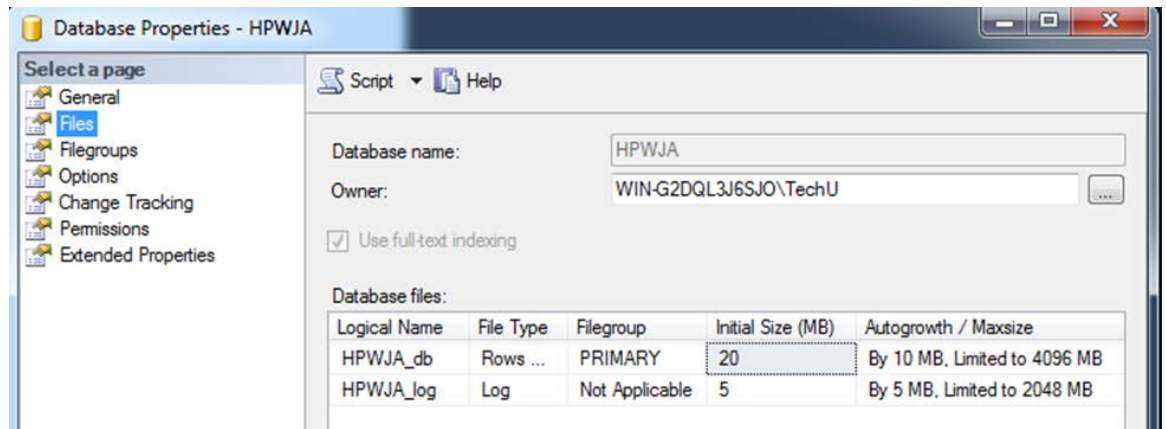
To download SQL Server 2012 SP2 Express, go to the following website:

[www.microsoft.com/en-US/download/details.aspx?id=43351](http://www.microsoft.com/en-US/download/details.aspx?id=43351)

**Note** When downloading the files, be sure to change the file names. The default file names for both versions are the same.

1. Stop the HP Web Jetadmin service.
2. To upgrade SQL Server 2008 Express to SQL Server 2008 SP3 Express, launch the installer for SQL Server 2008 SP3 Express, and then follow the wizard.
3. After the installation is complete, verify that the database version is 10.00.2531.00.
4. To upgrade SQL Server 2008 SP3 Express to SQL Server 2012 SP2 Express, launch the installer for SQL Server 2012 SP2 Express, and then follow the wizard.
5. Select the **Upgrade from SQL Server 2005, SQL Server 2008 or SQL Server 2008R2** option under the **Installation** option. The **Upgrade to SQL Server 2012** wizard starts.
6. Follow the wizard. On the **Select Instance** screen, make sure that the instance to upgrade is **HPWJA**.
7. Complete the upgrade.

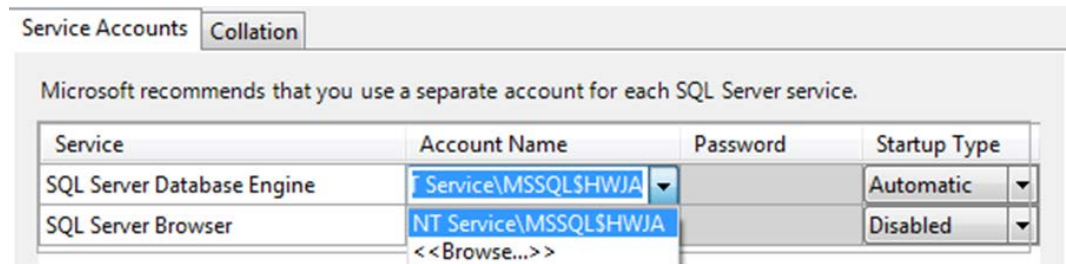
After the upgrade is complete, the maximum size of the HP Web Jetadmin database is still 4 GB.



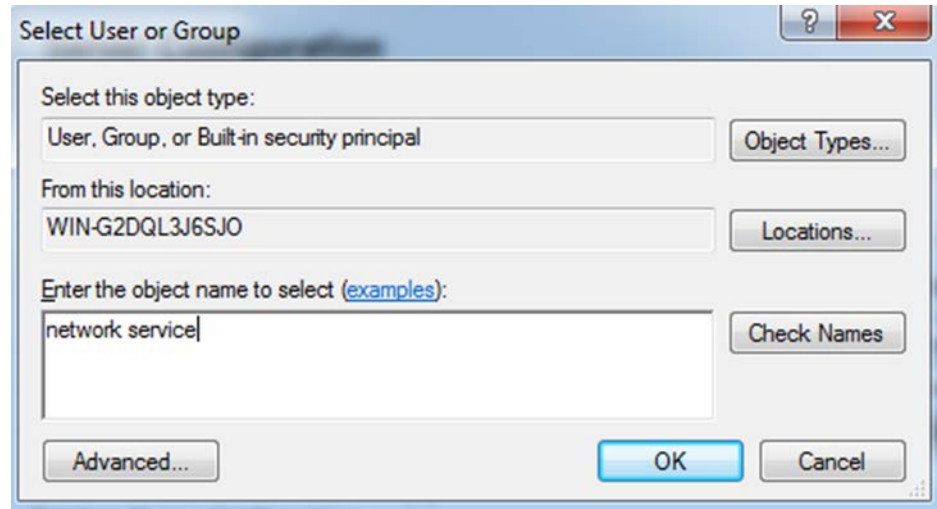
8. To increase the size of the database, open a command prompt with administrative rights, and go to the following directory:  
 C:\Program Files\HP Inc\Web Jetadmin 10\WJABackupRestore
9. If a custom database name is used, edit the resize.bat file.
10. Run the resize.bat file.
11. Restart the HP Web Jetadmin service, and verify that HP Web Jetadmin is working.

## Method B (Migration)

1. Verify that a backup has been created.
2. Stop the HPWJA and SQL Server (HPWJA) services.
3. Go to **Control Panel > Programs and Features**.
4. Right-click **Microsoft SQL Server 2008 (64 bit)**, and then select **Uninstall**.
5. In the **Uninstall** wizard, remove the **HPWJA** instance.
6. On the **Select features** screen, select all the features to be removed.
7. Launch the installer for SQL Server 2012 SP2 Express.
8. Select the **New SQL Server stand-alone installation or add features to an existing installation** option.
9. Follow the wizard. On the **Feature Selection** screen, clear the **SQL Server Replication** option.
10. On the **Instance Configuration** screen, change the named instance and Instance ID to **HPWJA**.
11. On the **Server Configuration** screen, use the following steps to change the Account Name for the SQL Server Database Engine to **NT Authority\Network Service**:
  - a. Click the down arrow next to the **Account Name** box, and then select **<<Browse...>>**.



- b. On the **Select User or Group** screen, enter **network service**, click **Check Names**, and then click **OK**.



- c. On the **Server Configuration** screen, click **Next**.
12. On the **Database Engine Configuration** screen, verify that **Windows Authentication mode** is selected.
13. When the installation is complete, close the wizard.
14. Open a command prompt with administrative rights, and go to the following directory:  
C:\Program Files\HP Inc\Web Jetadmin 10\WJABackupRestore
15. If the \*.dat file and the Settings directory were moved to a different location, copy them to the WJABackupRestore directory.
16. Run the restore.bat file.  
**Note** Since the maximum database size of SQL Server 2008 Express is 4 GB, the maximum database size remains 4 GB after the restore.
17. Run the resize.bat file from the command prompt that is still open.
18. Restart the HP Web Jetadmin service, and verify that HP Web Jetadmin is working.

## Method C (Migration)

1. Go to **Control Panel > Programs and Features**.
2. To uninstall HP Web Jetadmin:
  - a. Right-click **HP Web Jetadmin 10.3**, and then select **Change**. The InstallShield Wizard starts.
  - b. Click **Next**.
  - c. On the **Program Maintenance** window, select the **Remove** option, and then click **Next**.
  - d. Follow the wizard to complete the uninstallation of HP Web Jetadmin.
3. To uninstall SQL Server 2008:
  - a. Right-click **Microsoft SQL Server 2008 (64 bit)**, and then select **Uninstall/Change**. The SQL Server 2012 wizard starts.
  - b. Click **Remove**. The **Remove SQL Server 2012** wizard starts.
  - c. On the **Select Instance** screen, select the **HPWJA** instance, and then click **Next**.

- d. On the **Select Features** screen, select **Database Engine Services and SQL Client Connectivity SDK** (if not used by other instances), and then click **Next**.
  - e. Follow the wizard to complete the uninstallation of SQL Server 2008.
4. Install HP Web Jetadmin 10.3 SR8 or later.
  5. Copy the Settings directory and HPWJA\_DB\_BACKUP.dat file to the following directory:  
C:\Program Files\HP Inc\Web Jetadmin 10\WJABackupRestore  
For more information, see “Back up the data and HP Web Jetadmin settings” on page 4.
  6. Open a command prompt with administrative rights, and go to the following directory:  
C:\Program Files\HP Inc\Web Jetadmin 10\WJABackupRestore
  7. Run the restore.bat file.

**Note** Since the maximum database size of SQL Server 2008 Express is 4 GB, the maximum database size remains 4 GB after the restore.

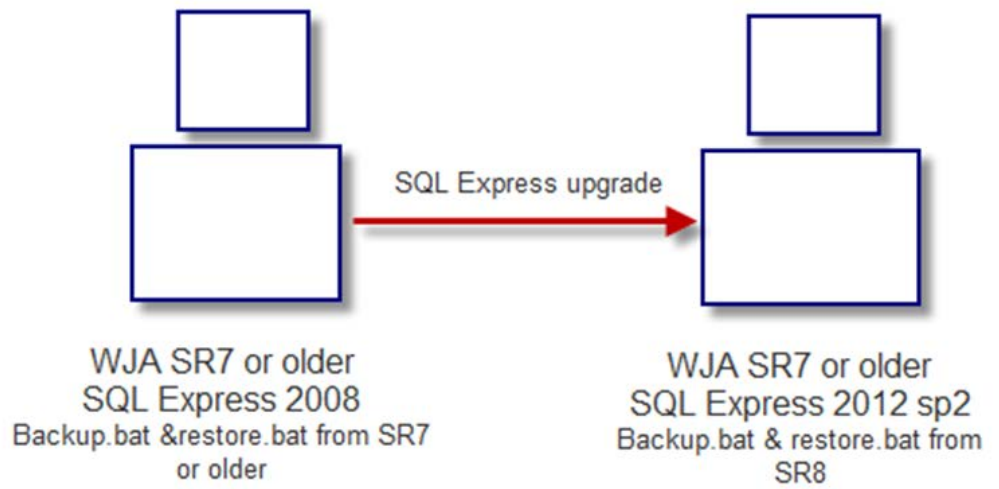
8. Run the resize.bat file from the command prompt that is still open.
9. Restart the HP Web Jetadmin service, and verify that HP Web Jetadmin is working.

**Note** Method C can also be used if you started with an installation of HP Web Jetadmin 10.3 SR7 and earlier. When HP Web Jetadmin 10.3 SR8 is started, the database is upgraded to the 10.3 SR8 functionality.

**Note** To upgrade only SQL Server Express on an installation of HP Web Jetadmin 10.3 SR7 and earlier, Method C can be used with some additional modifications. Executing step 7 (restore the database with the restore.bat file) will not work without the following additional steps:

**Note:** *HP has not extensively tested the following additional steps and does not support these steps.*

- a. Install HP Web Jetadmin 10.3 SR8 on another system.
- b. Copy the restore.bat and backup.bat files from the 10.3 SR8 installation to the pre-10.3 SR8 installation.  
Reason: SQL Server 2012 has a different file location and different SQL commands. The backup.bat and restore.bat files from 10.3 SR8 have the backup and restore commands for SQL Server 2008 Express and the backup and restore commands for SQL Server 2012 SP2 Express. The 10.3 SR8 restore.bat file detects the installed SQL version and uses the appropriate backup and restore commands. The pre-10.3 SR8 restore.bat and backup.bat files can only restore and back up a SQL Server 2008 database, not a SQL Server 2012 database, as shown in the following graphic.



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