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Moving/Restoring the StarShip SQL database

This document outlines the necessary steps to migrate the StarShip database from one Microsoft SQL Server 2012 instance to another. The steps outlined assume that the StarShip Server and Microsoft SQL Server 2012 are already installed on the new target machine to which the StarShip database will be migrated. If Microsoft SQL Server 2012 is also being re-installed please follow the steps outlined in the complete StarShip Installation guide (*MS SQL Server installation section*). Steps for SQL Server 2005 and 2008R2 are similar to below. If the StarShip Server is being re-installed or moved to a new Server, see the *StarShip Installation Guide* or the *Moving the StarShip Server* document.

Section A – Pre-Installation checklist
Section B – Process Overview
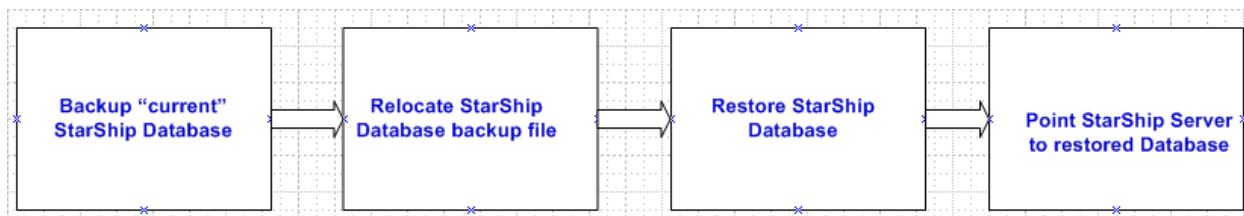**Section C –** Backup the StarShip database
Section D – Restoring the StarShip database
Section E – Pointing the StarShip Server Manager to the restored StarShip database on the new SQL Server

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Section A – Pre-Installation checklist

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- ✓ Microsoft SQL Server 2012 Management Studio (if not already installed on the destination SQL machine)
- ✓ *XP_CMDSHELL* enabled in the SQL Surface Area configuration on both SQL instances (source and destination)
- ✓ Mixed Mode authentication enabled
- ✓ Sysadmin 'sa' user password or a SQL logon with 'syadmin' rights
- ✓ MS SQL 2012 (32-bit) Shared Management Objects and CLR Types installed on the StarShip Server machine
- ✓ MS SQL (Server OS version/bit) Native Client 2005 & 2012 installed on the StarShip Server machine
- ✓ Ensure all active StarShip shipments are posted and that all StarShip Client connections are closed
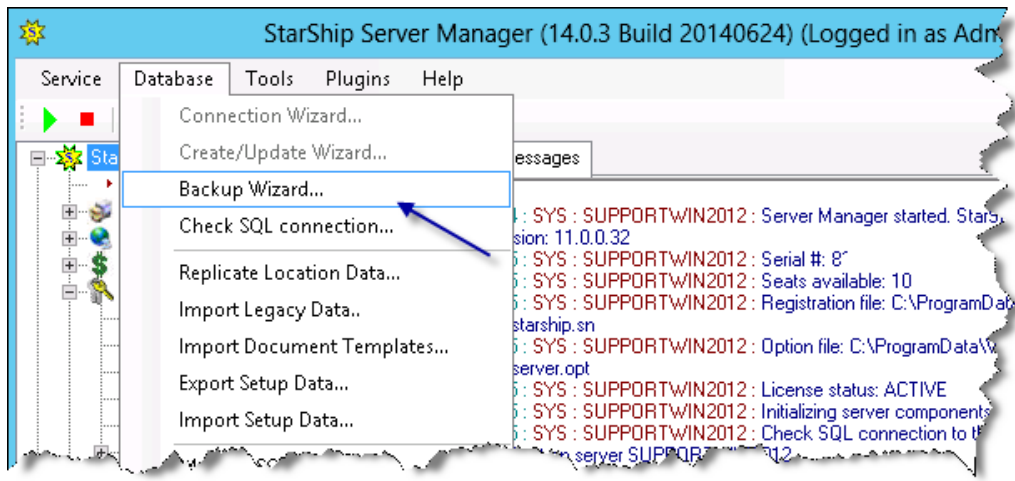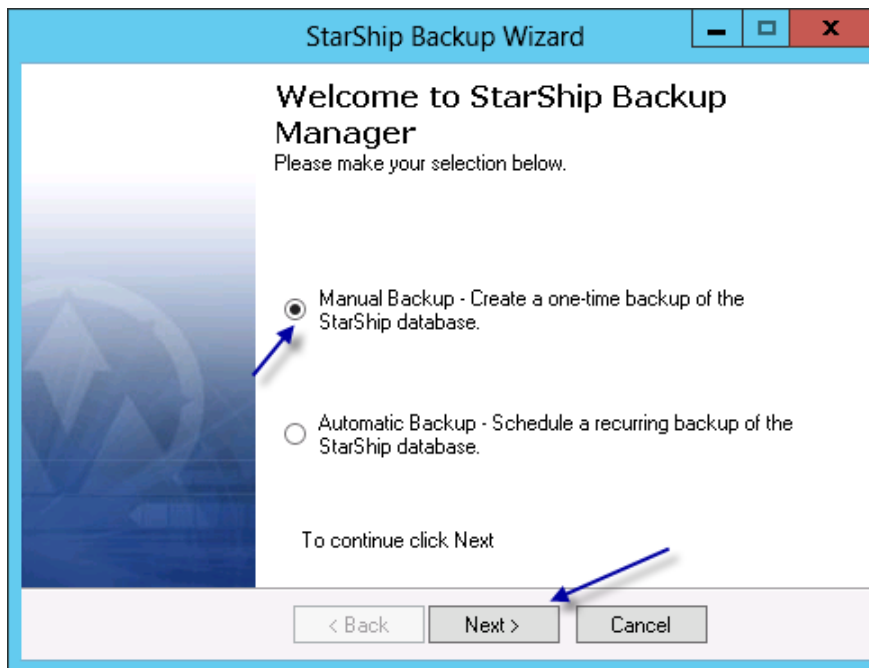
<div align="center">

Section B – Process Overview

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Section C – Backup the StarShip database

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1. Create a <u>FULL</u> backup of the existing StarShip SQL database from Server Manager.

    a. If the StarShip database is lost, you do not have a backup of the StarShip database or you are unable to create a backup, you will need to create a new database from the StarShip Server Manager. (Database > Create Update Wizard)

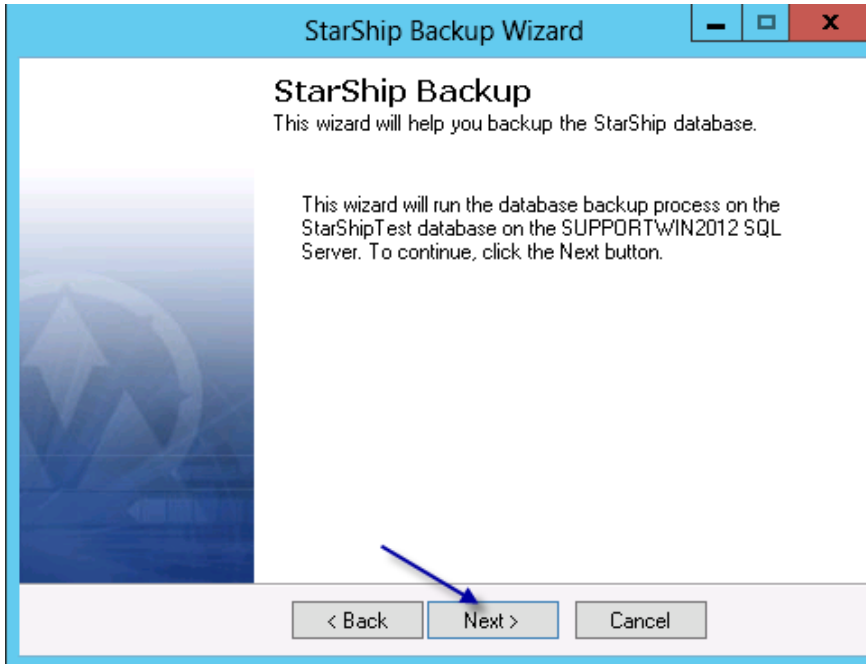   b. If you already have a backup, proceed to **Section D**

2. Backup the StarShip database on the existing StarShip Server: Server Manager **Database > Backup Wizard > Manual backup >** (ensure that full backup is checked and make a note of the directory you are backing up to)
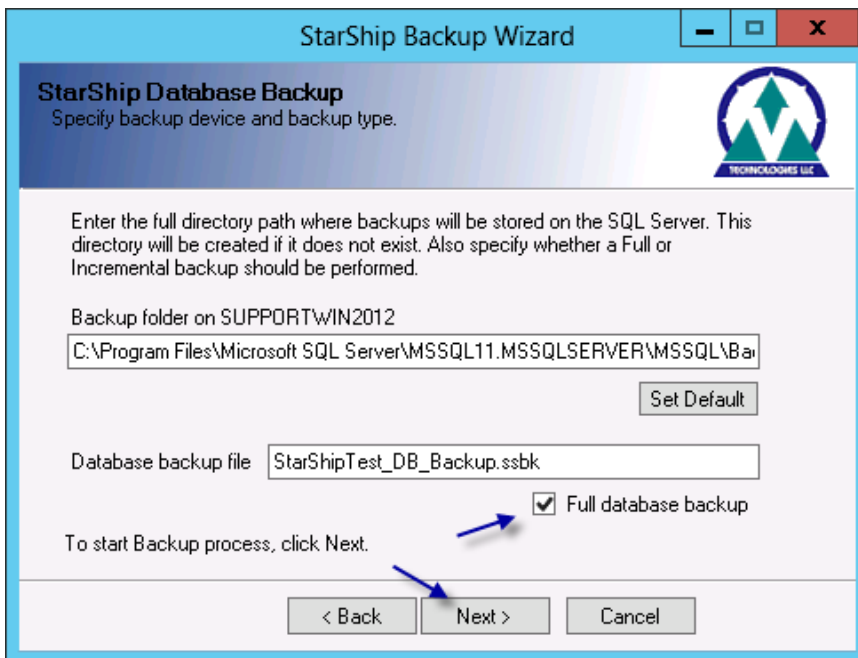

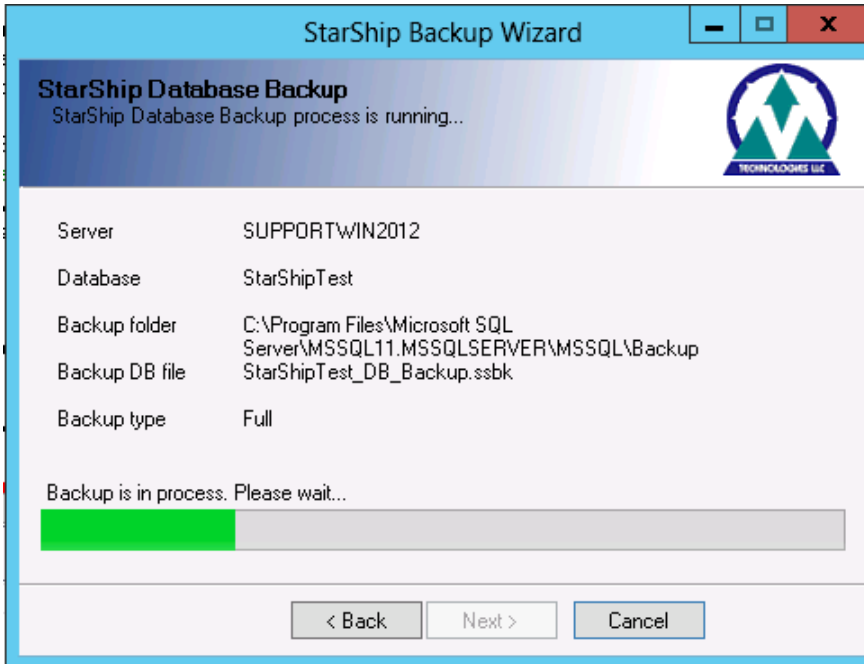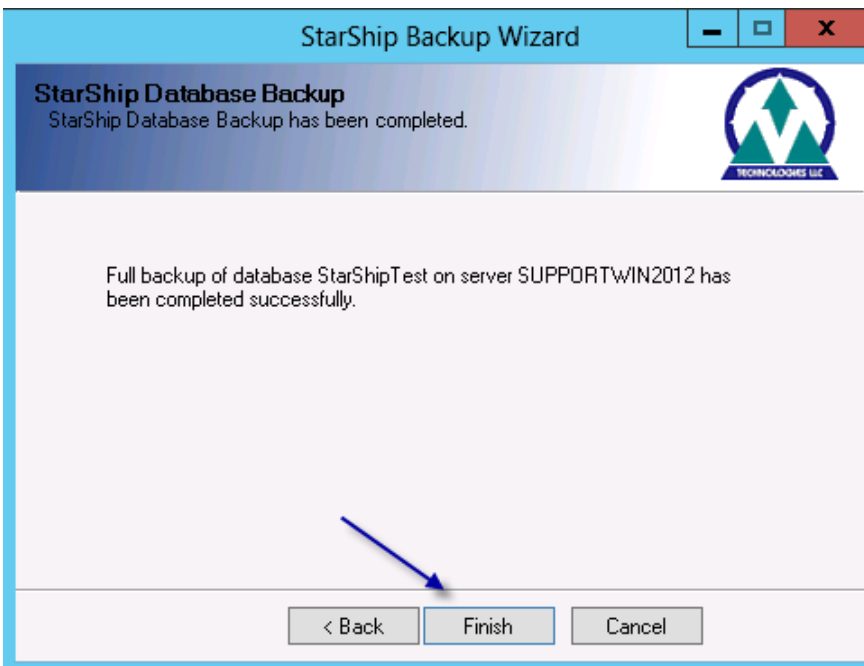3. Ensure "Manual Backup" is selected, then click **NEXT**

4. Click **NEXT**

5. Make a note of backup folder specified and ensure Full database backup is selected, then click **NEXT**
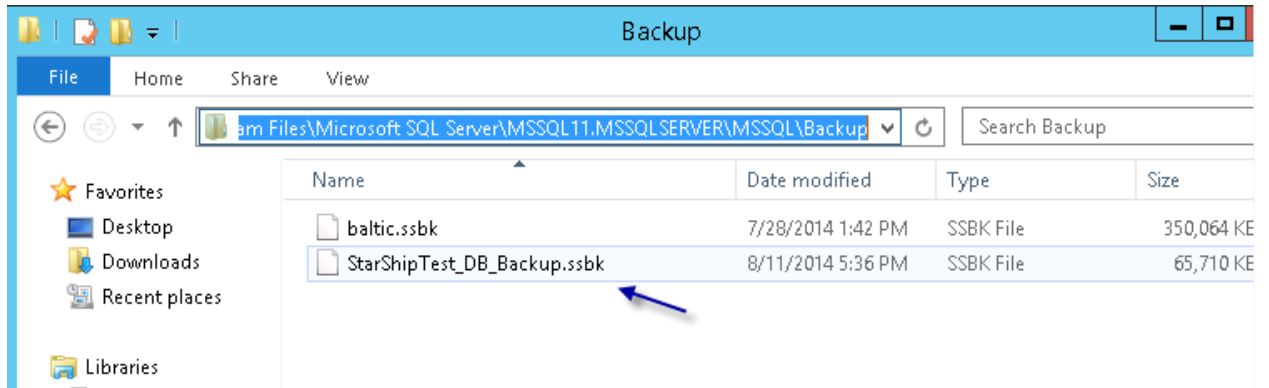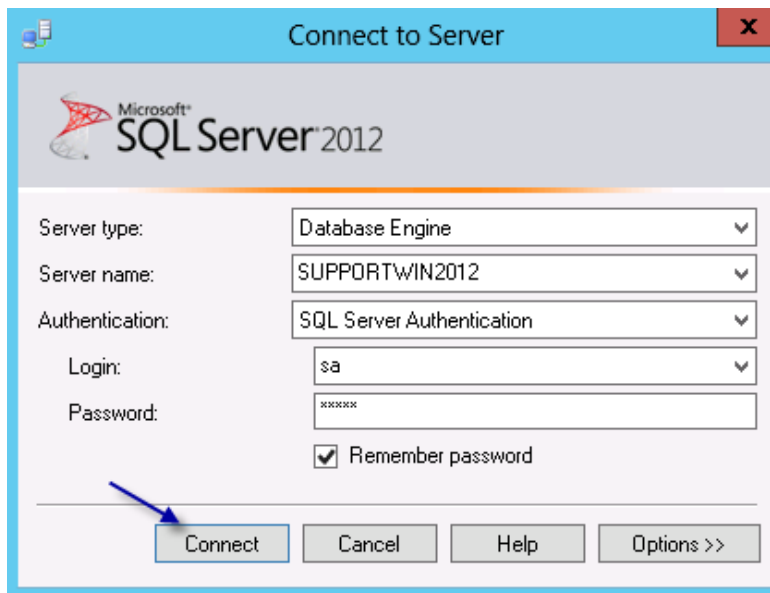
6. Click **FINISH**

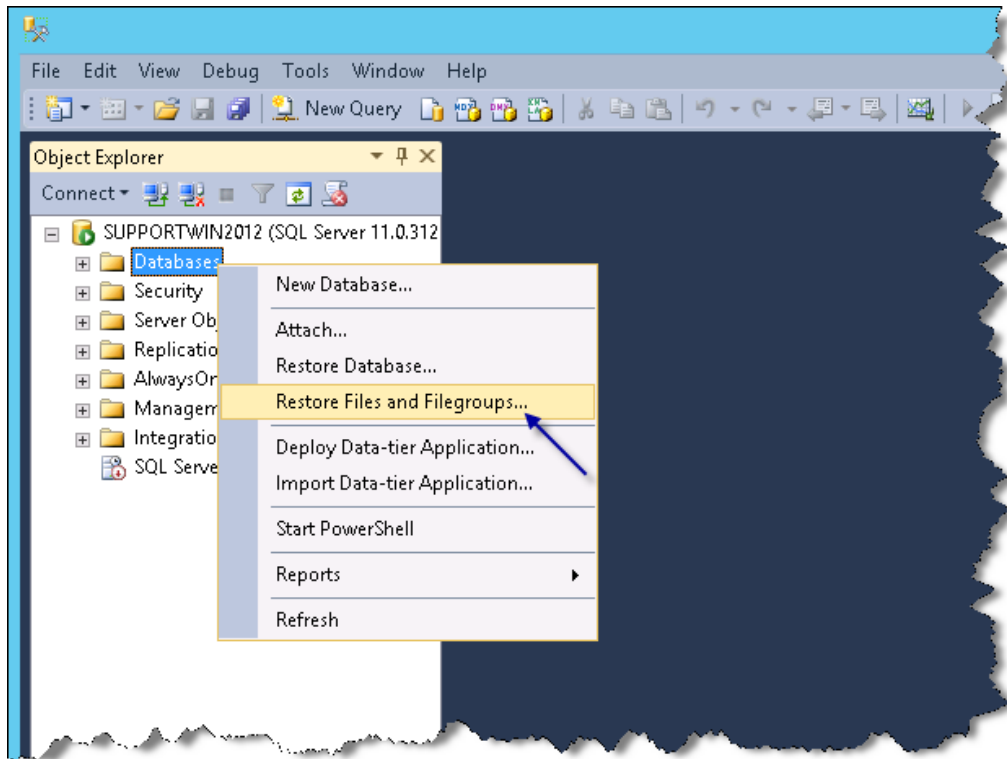7. Locate the physical backup file specified in Step 5 above

8. Copy the physical backup file from the current location to a local directory on the new SQL Server box

Section D – Restoring the StarShip database

9. On the new SQL Server box, open up MS SQL Management Studio and connect to the instance that will be hosting the StarShip Database. **Start > All Programs > Microsoft SQL Server 2005 > SQL Server Management Studio Express**
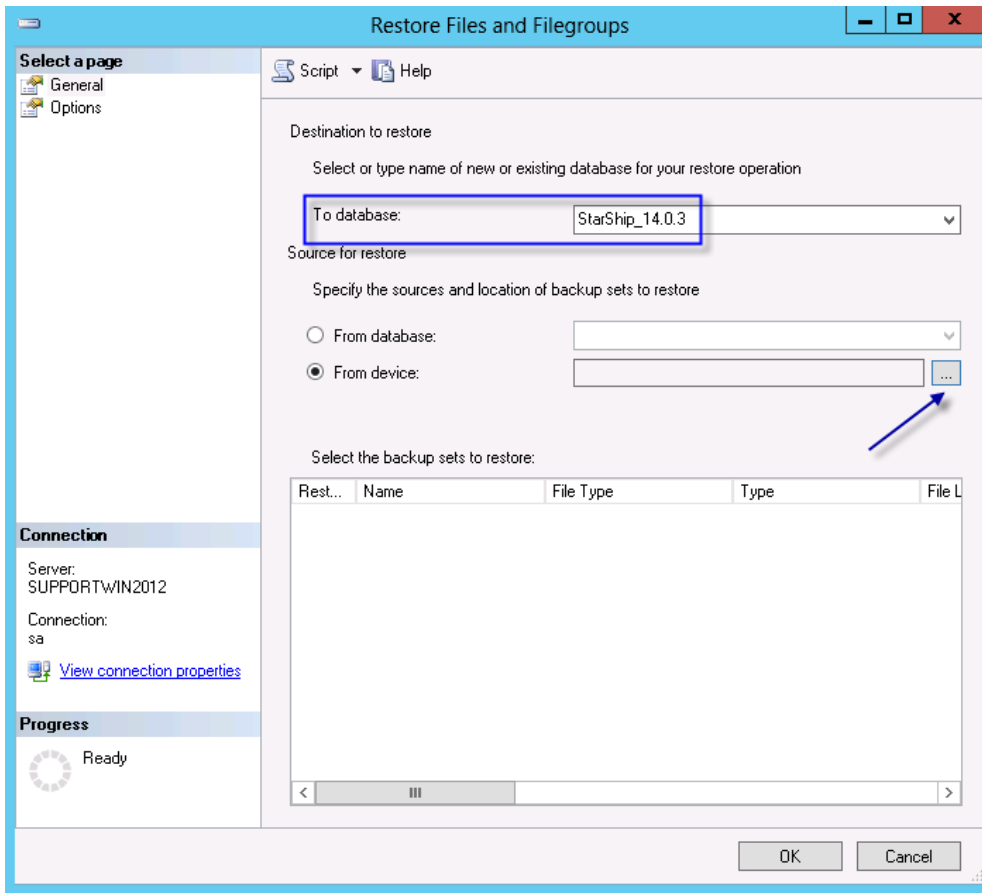

10. Right click on the **Database** entry and select **Restore database & filegroups**
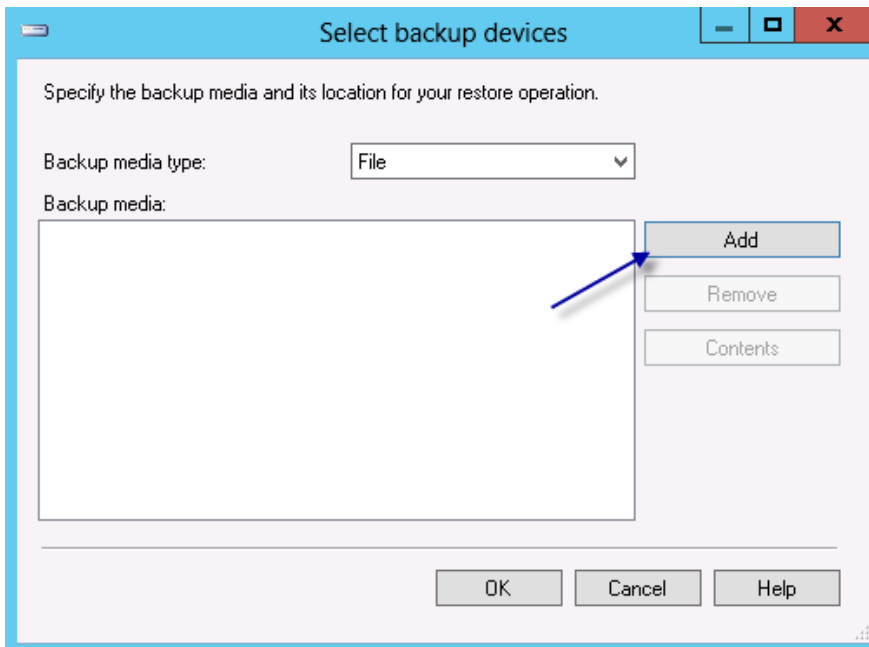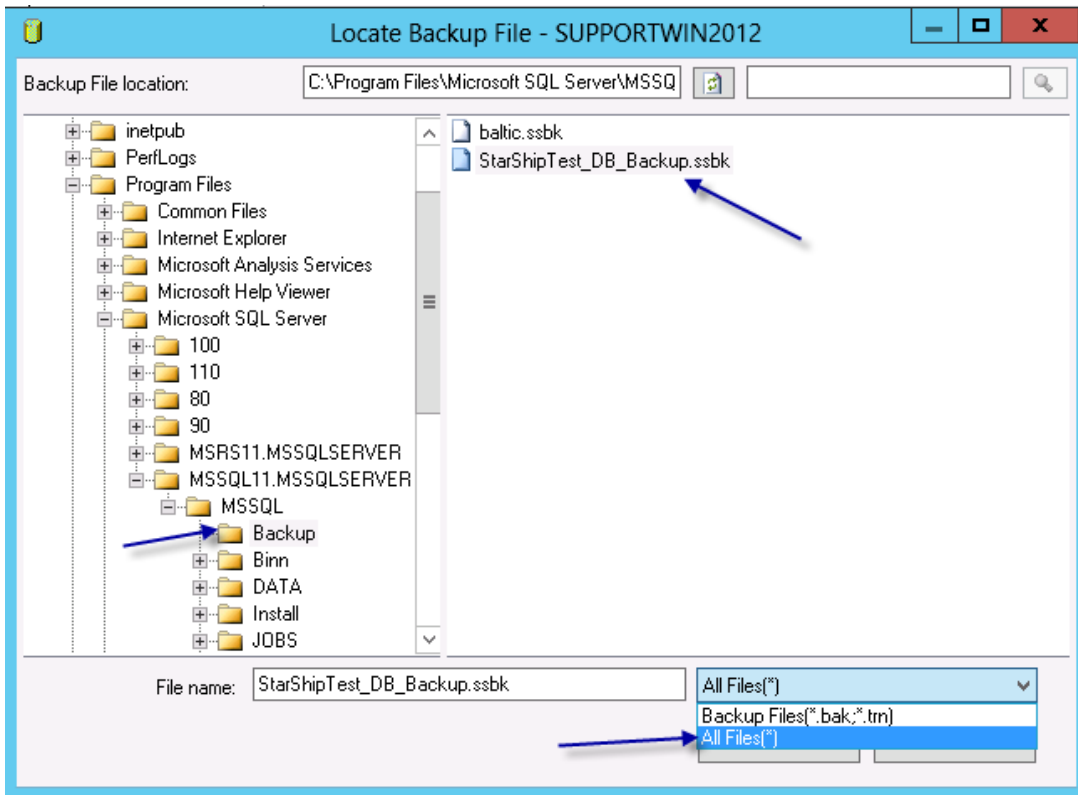
11. In the "To Database" field, enter **StarShip**

12. Select the option "From device" and click the ellipsis (…)
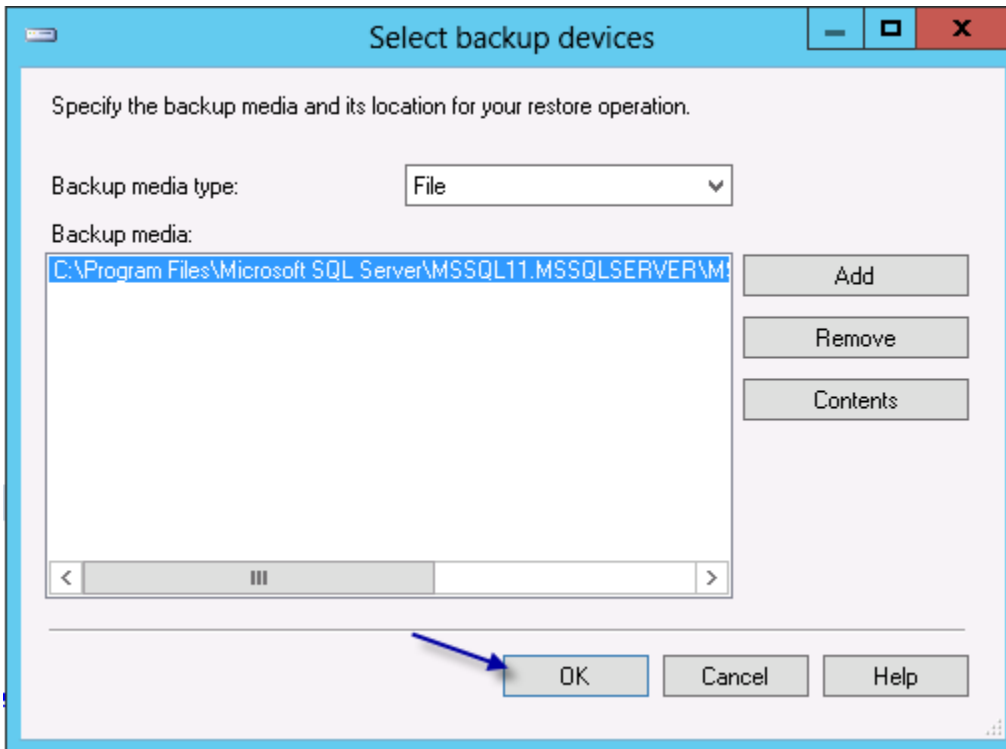
13. Click **ADD**

14. Ensure that Files of type is set to "All Files", navigate to the directory with the backup file then click **OK**
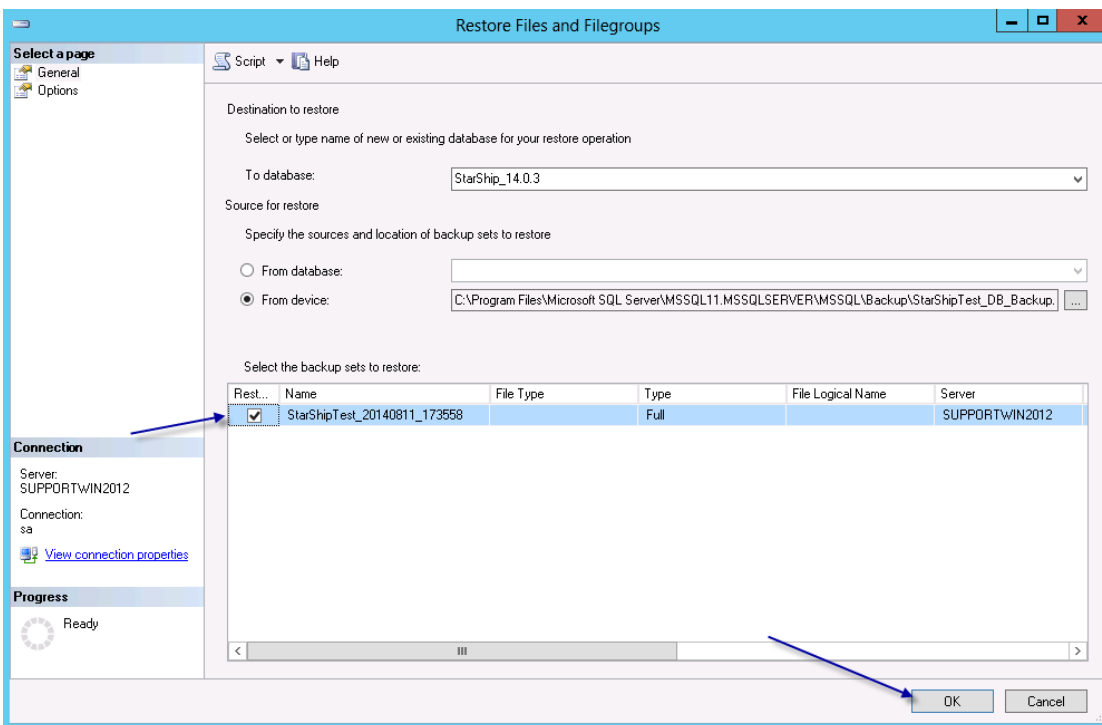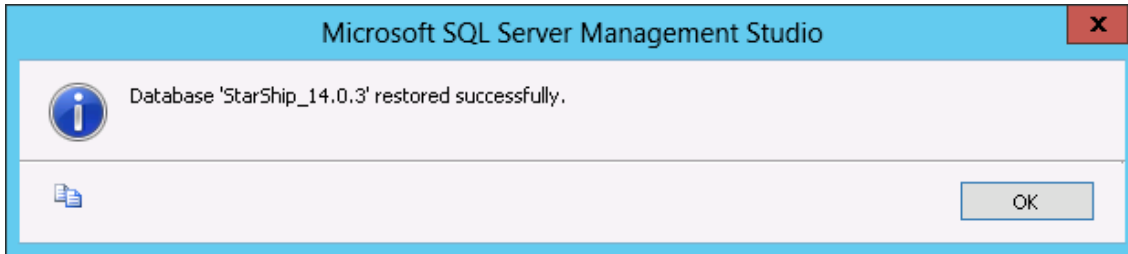

15. Click **OK**

16. Ensure that the Restore flag is selected, then click **OK**
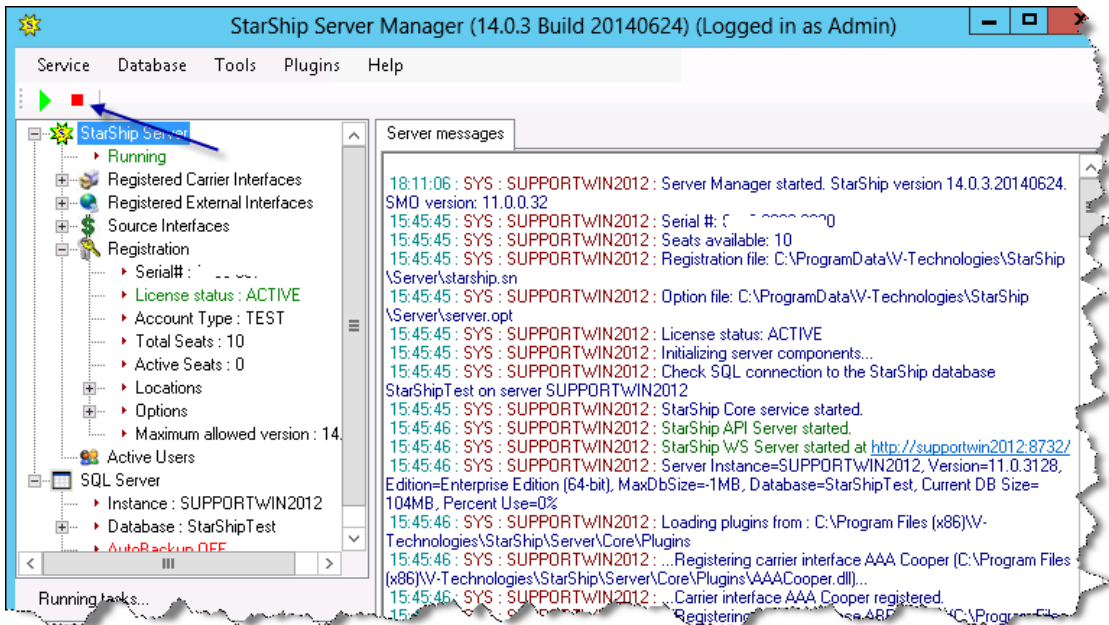

17. Click **OK** to the confirmation message

Microsoft SQL Server Management Studio

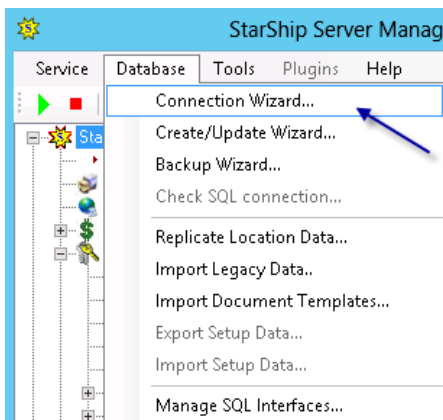Database 'StarShip_14.0.3' restored successfully.

OK

Section E – Pointing the StarShip Server Manager to the restored StarShip database on the new SQL Server
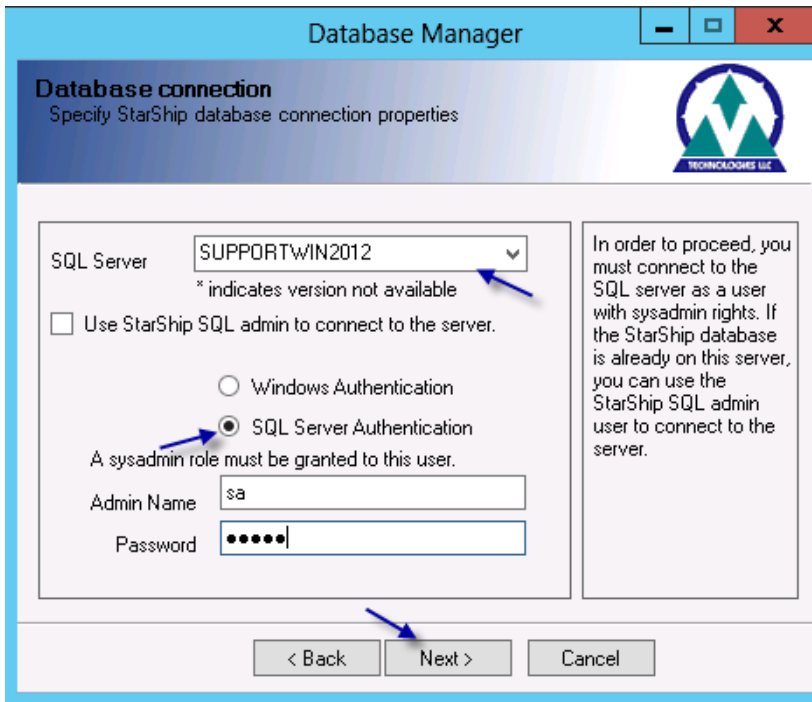
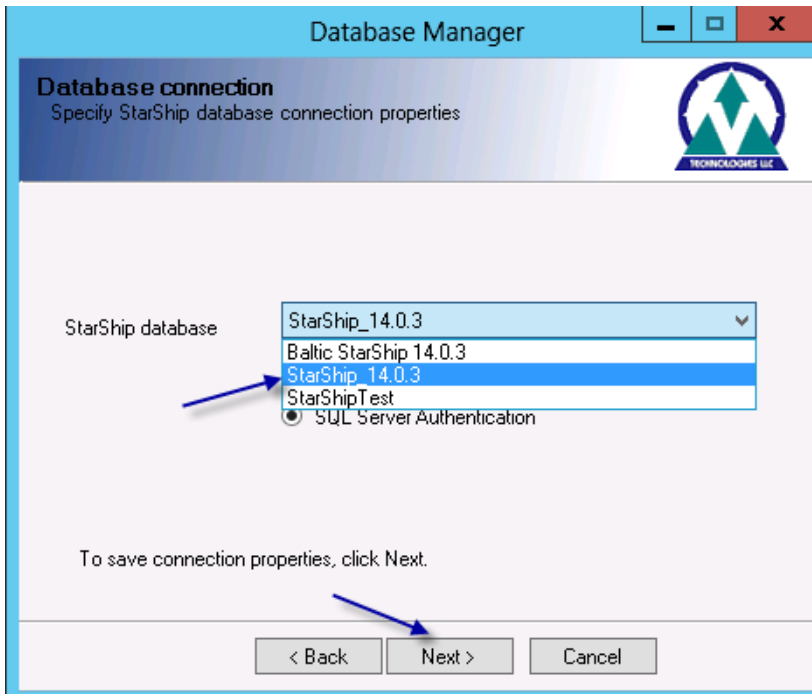18. From the StarShip Server Manager, Stop the StarShip Core Service
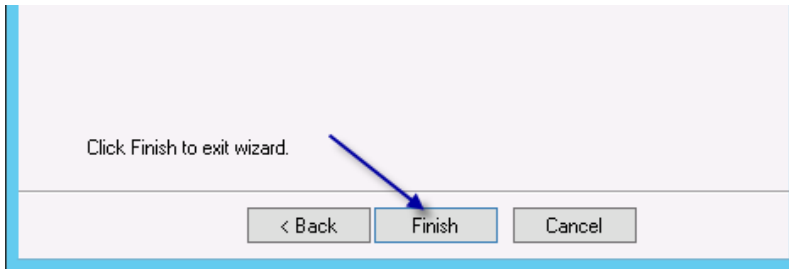

19. From the Database menu, select Connection Wizard

20. De-select "Use StarShip SQL admin…" > Select "SQL Server Authentication"

21. Enter the username and password for a SQL user with "sysadmin" rights. Then click **NEXT**
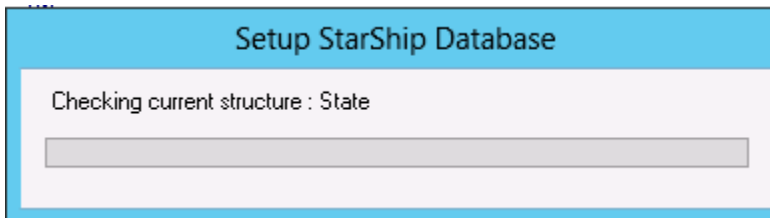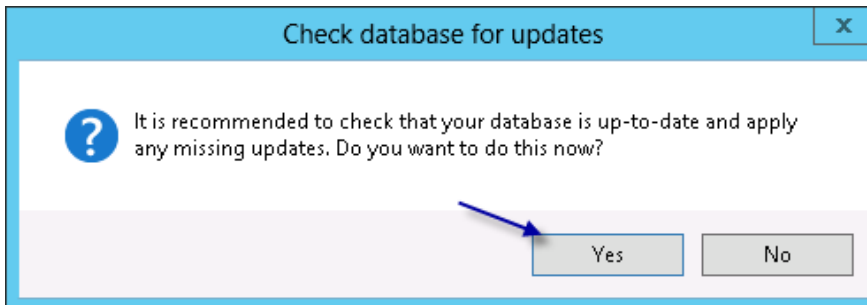

22. Select the name of the restored database filename specified in Step 11. Then click **NEXT**
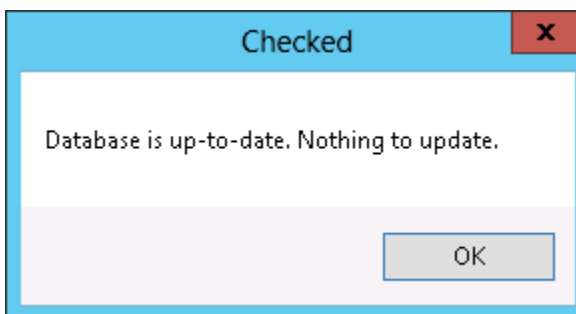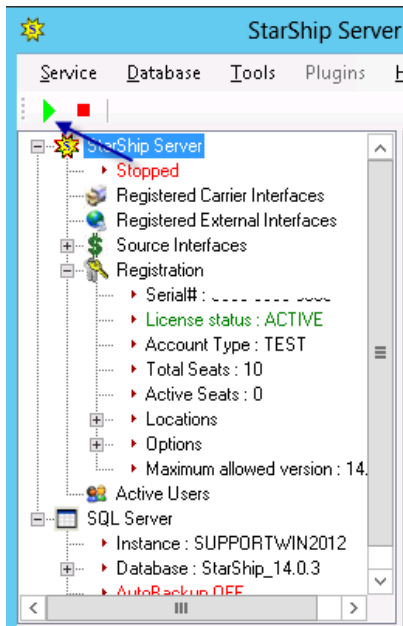
23. Click **FINISH**

Click Finish to exit wizard.

< Back   Finish   Cancel

24. Select **YES** to run database updates

Check database for updates   x

It is recommended to check that your database is up-to-date and apply any missing updates. Do you want to do this now?

Yes   No

Setup StarShip Database

Checking current structure : State

25. Click **OK**

Checked   x

Database is up-to-date. Nothing to update.

OK

26. Start the StarShip Core Service

27. Verify that the StarShip Server is pointing to the correct SQL instance