

Using a Network Share as a SQL Server Backup Device

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Products Affected	Exaquantum/PIMS
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Function Affected	SQL Database Backups
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Audience	Exaquantum System Administrators
Summary	This guide covers the use of Network Shares as SQL Server Server backup devices.
Review Date	Document to be reviewed before July 2024

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Chapter 1 Introduction

Exaquantum makes use of SQL Server database for the storage of both configuration and raw data. It is advised that the Exaquantum core databases are backed up on a regular basis to safeguard the system from data loss. This can be done locally on the Exaquantum server or for added protection against a catastrophic server failure, on a Network Share.

This document provides the necessary information to configure a Network Share as an SQL Server backup device.

1.1 Audience

This guide is intended for system integrators and administrators.

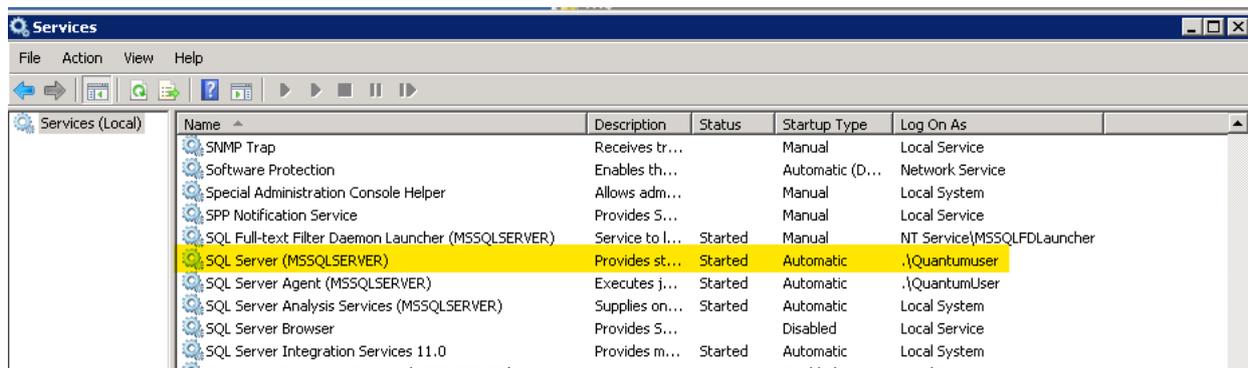
Chapter 2 Setting up a Network Share as a Backup Device

Prior to setting up a Network Share as an SQL Server Backup Device ensure that the SQL Server service account has Read/Write access to it.

To identify the SQL Server service account check the “Log On As” column For” SQL Server (MSSQLSERVER)” in Windows Services as shown below.

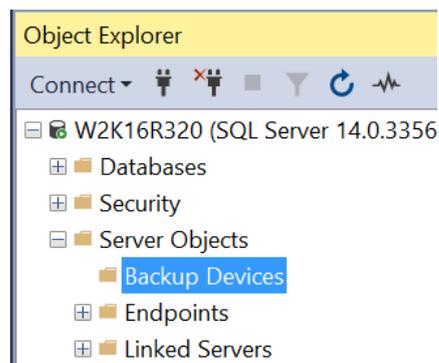
For Legacy and Standard Security models the SQL Service users are Quantumuser and QTM_SQLSERVER respectively.

The setup of the Network Share is not covered in this guide.

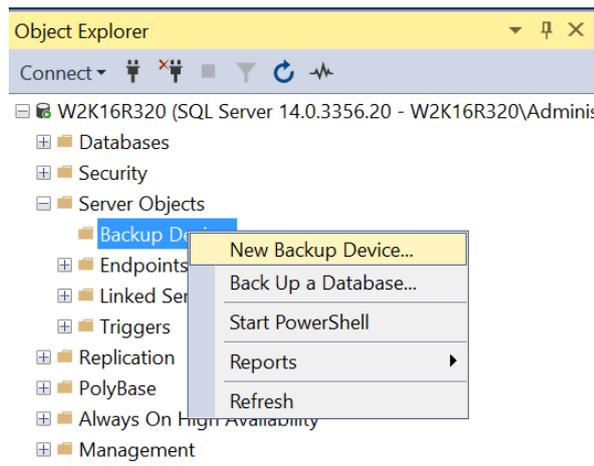


To setup the Network Share as a backup device:

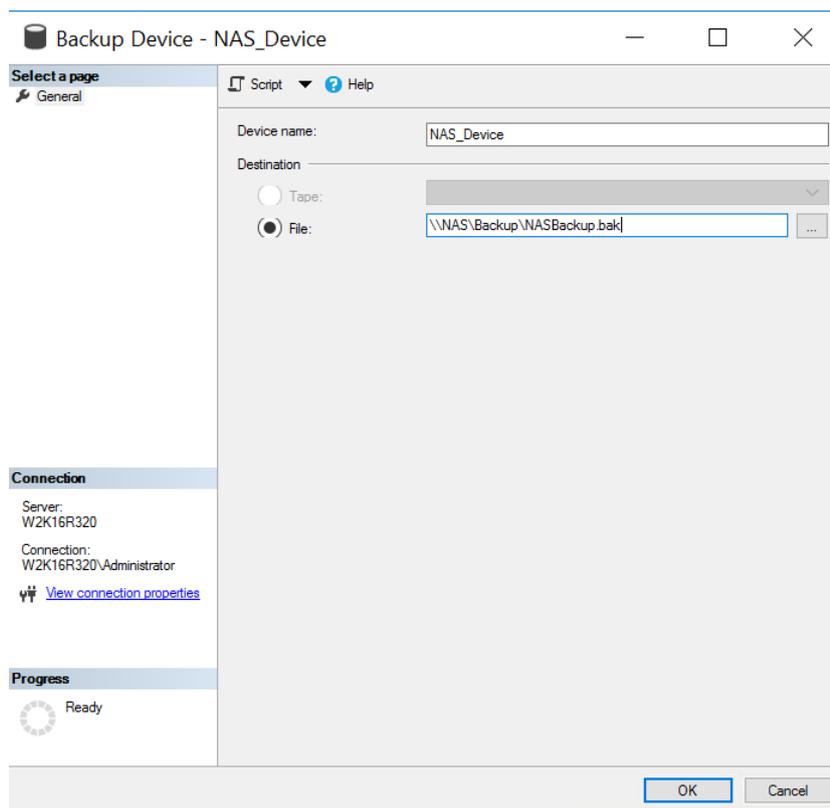
1. Open SQL Server Management Studio.
2. Navigate to Server Objects-> Backup Devices



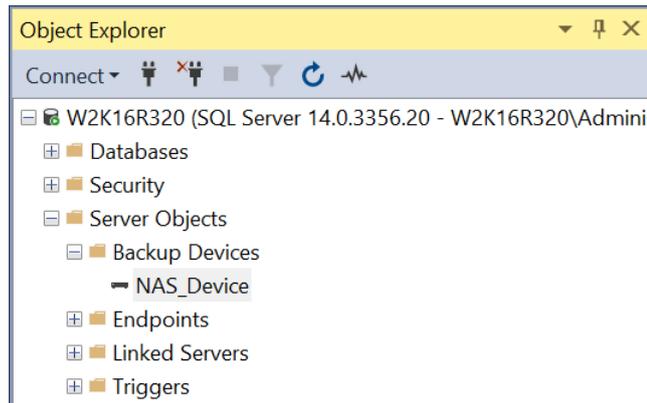
3. Right Mouse click on Backup Devices and select the “New Backup Device...” option.



4. In the resulting dialog enter a Device Name and use the fully qualified universal naming convention (UNC) name for the Destination File. A UNC name has the form [\\Systemname\ShareName\Path\FileName](#).

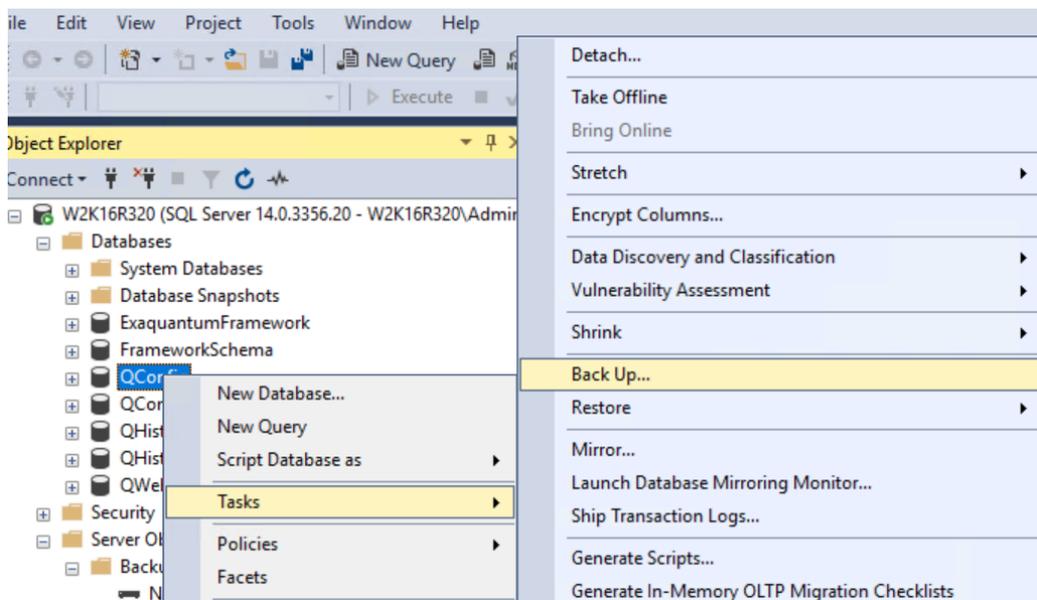


5. Press the OK button to complete the creation of the Backup Device.

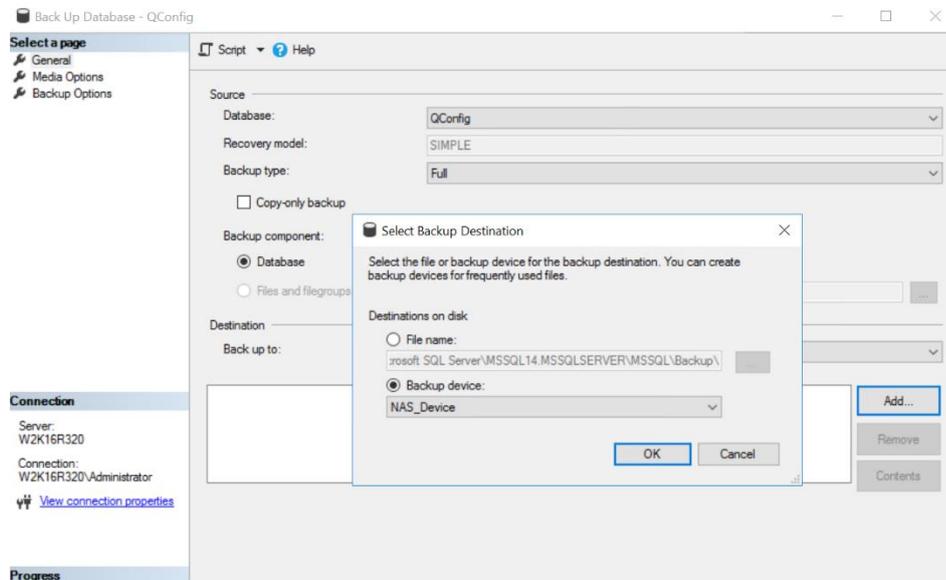


You can verify the backup device is configured correctly by backing up a database to it. To do this:

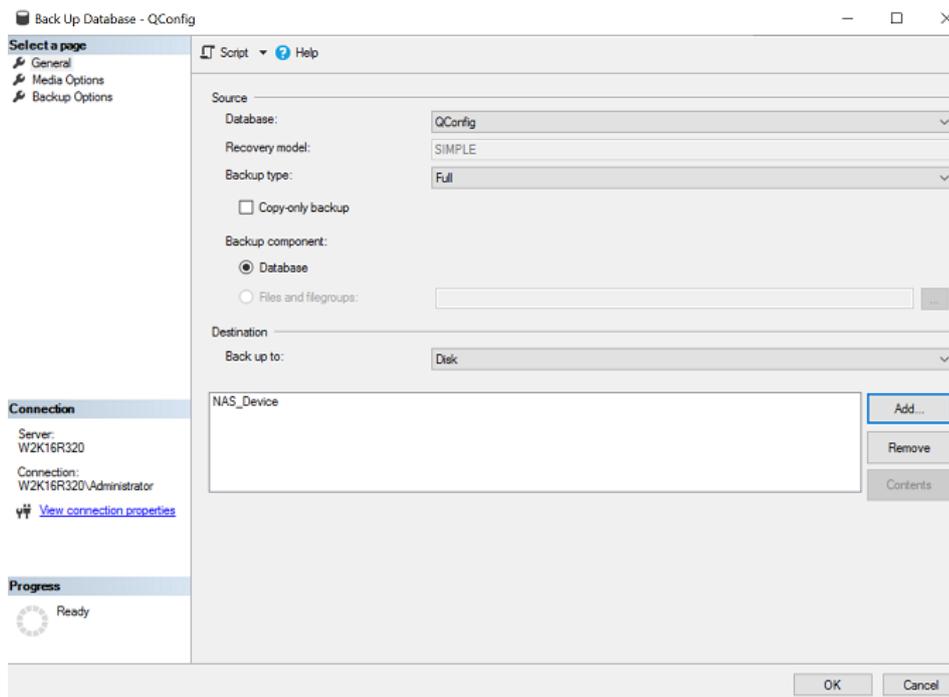
6. Navigate to a database of your choice in SQL Server Manager, right mouse click on the database and select "Tasks->Back Up..."



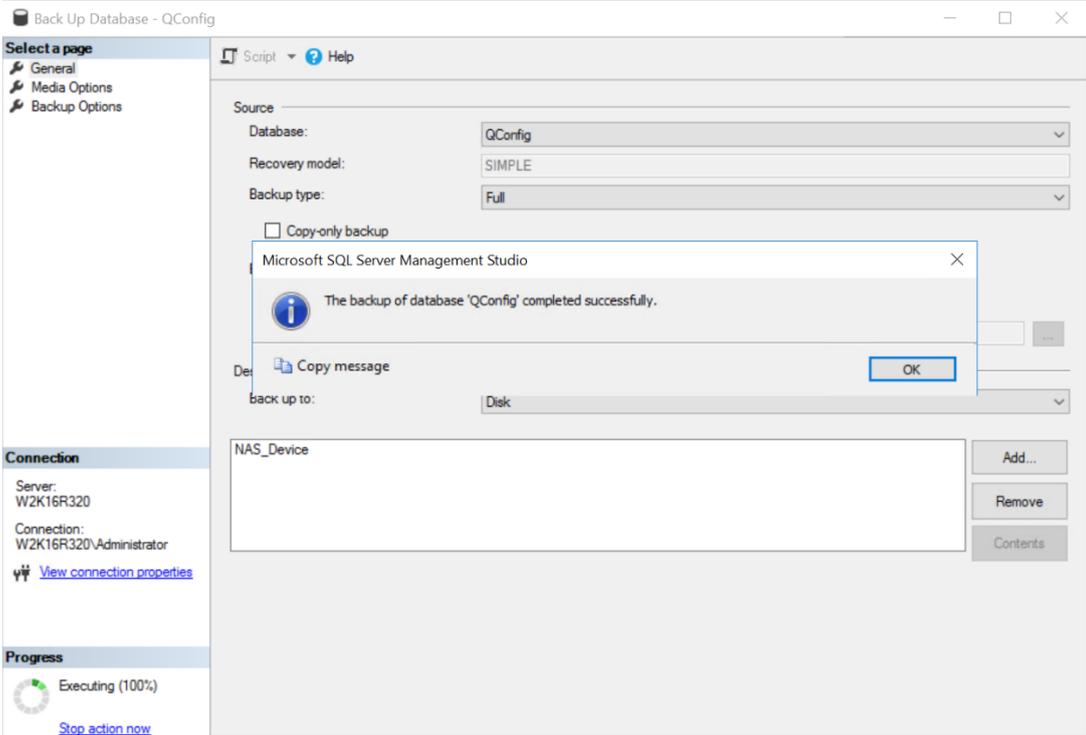
- On the “Back Up Database” dialog, under the “Destination” pane, select “File” in “Back up to:” drop down box and press the “Add...” button. In the “Select Backup Destination” dialog select the “Backup device” option and your newly configured backup device from the drop down list and press the “OK” button.



- Press the “OK” button on the “Back Up Database” dialog to commence the backup.



- 9. If the Backup Device is configured correctly the backup will be successful as shown in the example below.



Chapter 3 Further Reading

Please refer to the following link for more information on setting up a Network Share as a backup Device in SQL Server.

<https://docs.microsoft.com/en-us/sql/relational-databases/backup-restore/backup-devices-sql-server?view=sql-server-2014#NetworkShare>

More support is available at www.ymx.yokogawa.com/support or from support.ymx@yokogawa.com email address.

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Highlights

The Highlights section gives details of the changes made since the previous issue of this document.

- **Summary of Changes**

This is Issue 2.0 of the document related to Product Library version 1.0.

- **Detail of Changes**

The changes are as follows:

Chapter/Section/Page	Change
Front page	Review Date updated
Page 8	Email address updated