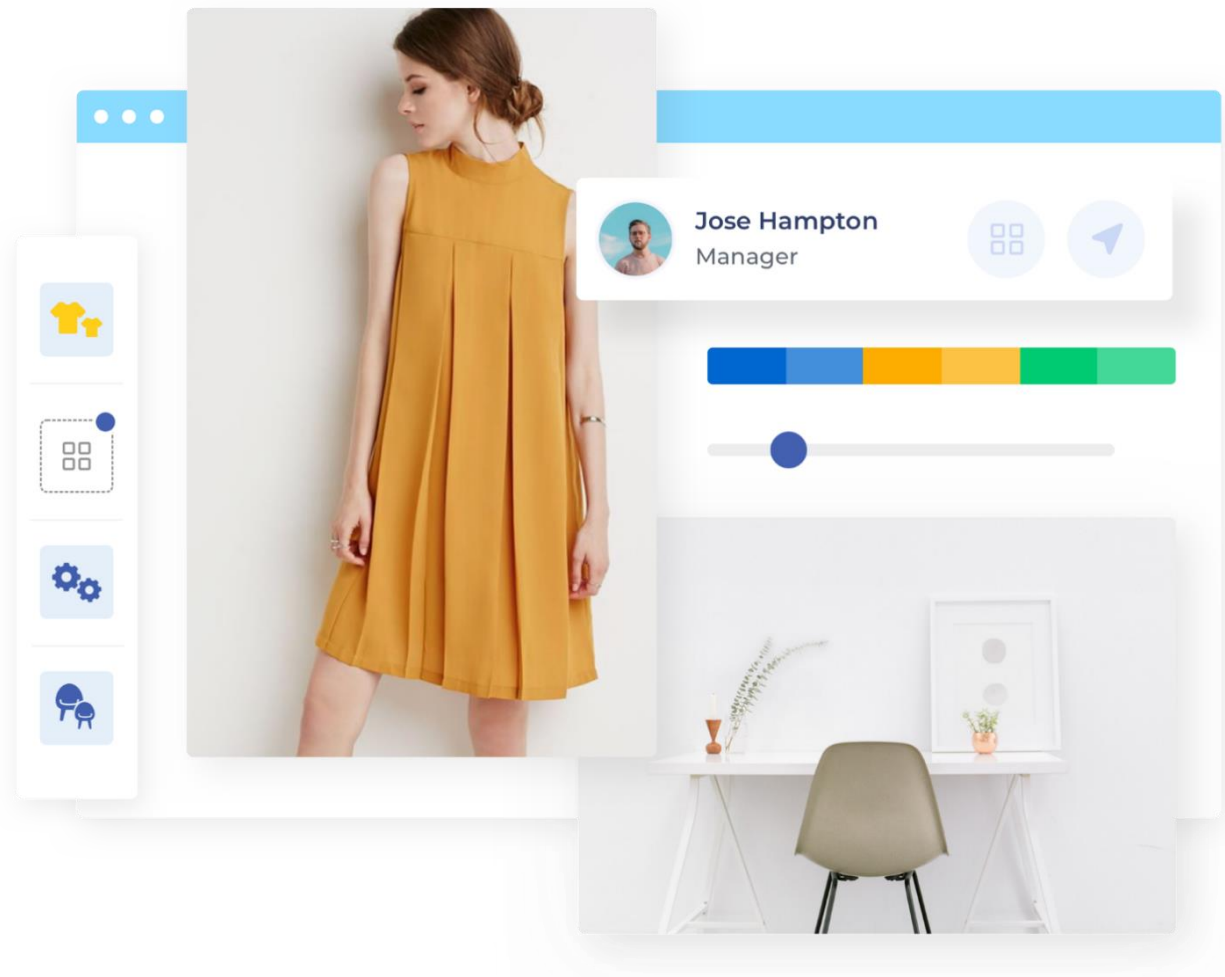

WHITE PAPER

TRIMIT Azure Storage Services 21.2

This document contains information regarding the Azure Storage Services functionality in TRIMIT 21.2 for Business Central 2021 Release Wave 2 W1 (BC19).

Version: 21.2
Date: 14-01-2022

CONTENTS

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INTRODUCTION

If you are running TRIMIT in the Cloud, you also will have created your own account for Azure Storage Services for your documents and files.
See more details in https://azure.microsoft.com/en-us/product-categories/storage/
and https://docs.microsoft.com/en-us/azure/storage/files/storage-files-introduction.

To make uploading/downloading files easier for users of TRIMIT, we have created the **TRIMIT Azure Storage Services** functionality by using and extending the **Connection Setups** that were already used in some way for the Replication of data needed for TRIMIT Intercompany or the TRIMIT Portals.

The functionality described is the functionality in **TRIMIT 21.2 for Business Central W1 BC19.X**.
The pictures in this White Paper are based on the demo database for **TRIMIT 21.2,** which is based on Microsoft Dynamics 365 Business Central 2021 Release Wave 2, in the demo company **CRONUS TRIMIT W1 Ltd.** (based on CRONUS International Ltd. of Microsoft Dynamics 365 Business Central).

COMPONENTS

TRIMIT Azure Storage Services contains the following objects:

The tables
6036517 trm Connection Setup
6036560 trm File Storage Share
6036562 trm Temp File Storage Explorer

The pages
6036544 trm Connection Setup Card
6036545 trm Connection Setup List
6036560 trm File Storage Share
6036561 trm File Storage Shares
6036563 trm File Storage Explorer

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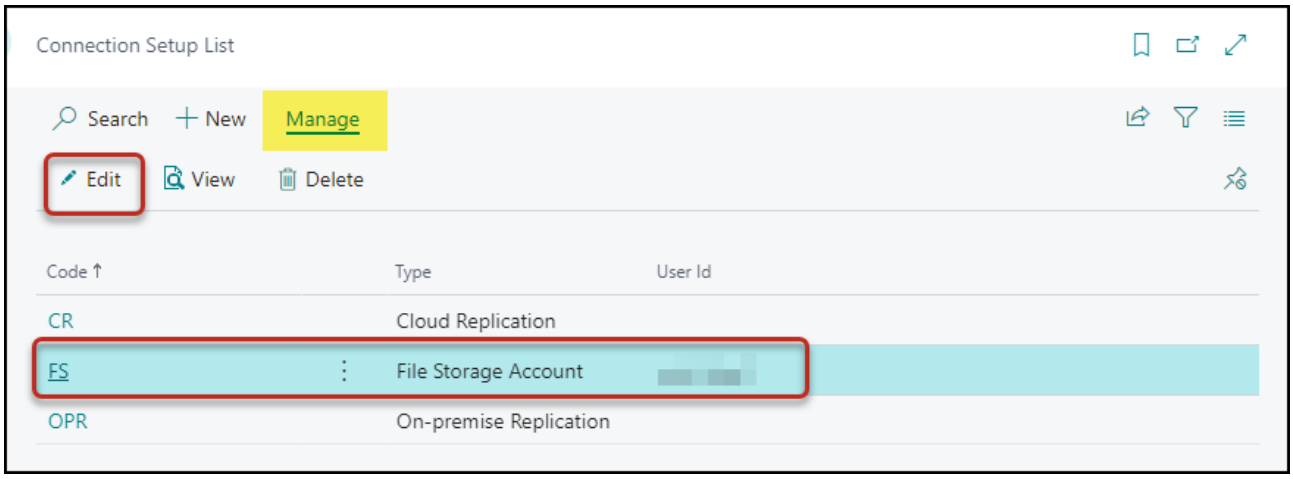
CONNECTION SETUP

You can find it via **Tell me** *Connection Setup List.*



DESCRIPTION OF THE FIELDS:

CODE

Unique **Code** for this Connection Setup.

TYPE

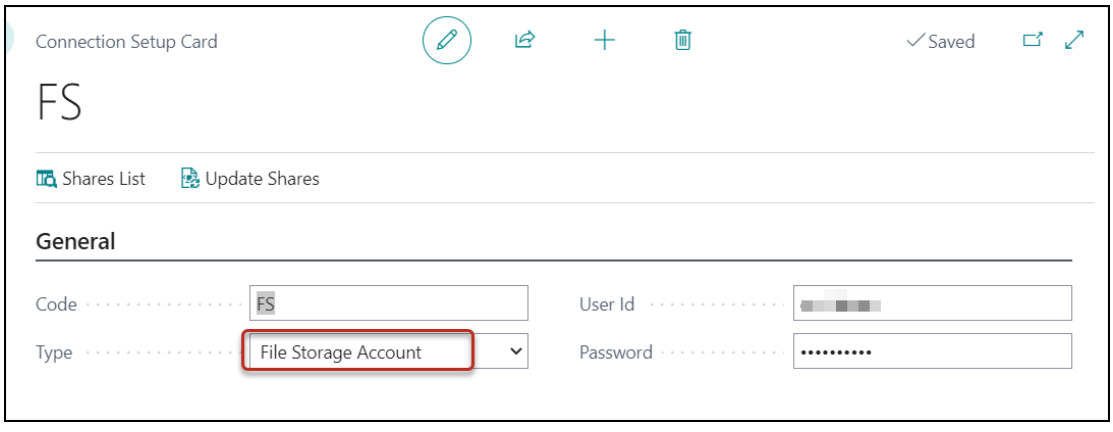
You can choose between the following three options:

On-premise Replication	Connection for replicating Data in an on-premise installation
Cloud Replication	Connection for replicating Data in a cloud installation
File Storage Account	Connection for Azure File Storage

USER ID

The **User Id** for your Connection.
In case of **Type** = *On-premise Replication* it is the **User Id** of your on-premise TRIMIT installation.
In case of **Type** = *Cloud Replication* it is the **Client Id** of your cloud TRIMIT installation.
In case of **Type** = *File Storage Account* it is the **Account** of your Azure Storage Services.

By clicking ***Manage, Edit***, the Card will open in which you can also enter the **Password**.



For Type = File Storage Account

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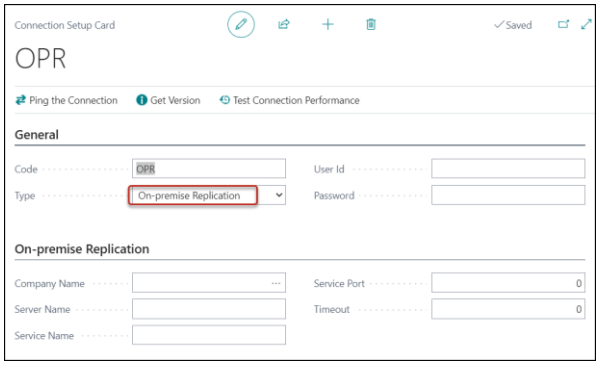
PASSWORD

The Password belonging to your **User Id.**
In case of **Type** = *On-premise Replication* it is the **Password** of your on-premise TRIMIT installation.
In case of **Type** = *Cloud Replication* it is the **Client Secret** of your cloud TRIMIT installation.
In case of **Type** = *File Storage Account* it is the **Password** of your Azure Storage Services.

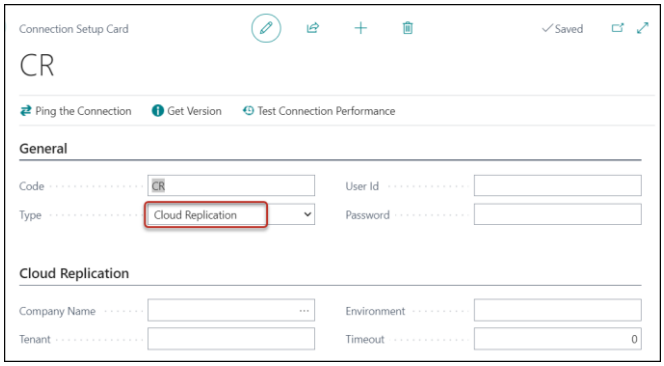
After creating the **Connection**, click ***Update Shares***, to update the Shares of your File Storage Account (Connection Setup with **Type** *File Storage Account*).

NOTE

The **Connection Setup Card** will look different for the **Types** *On-premise Replication* or *Cloud Replication*.



Type = On-premise Replication

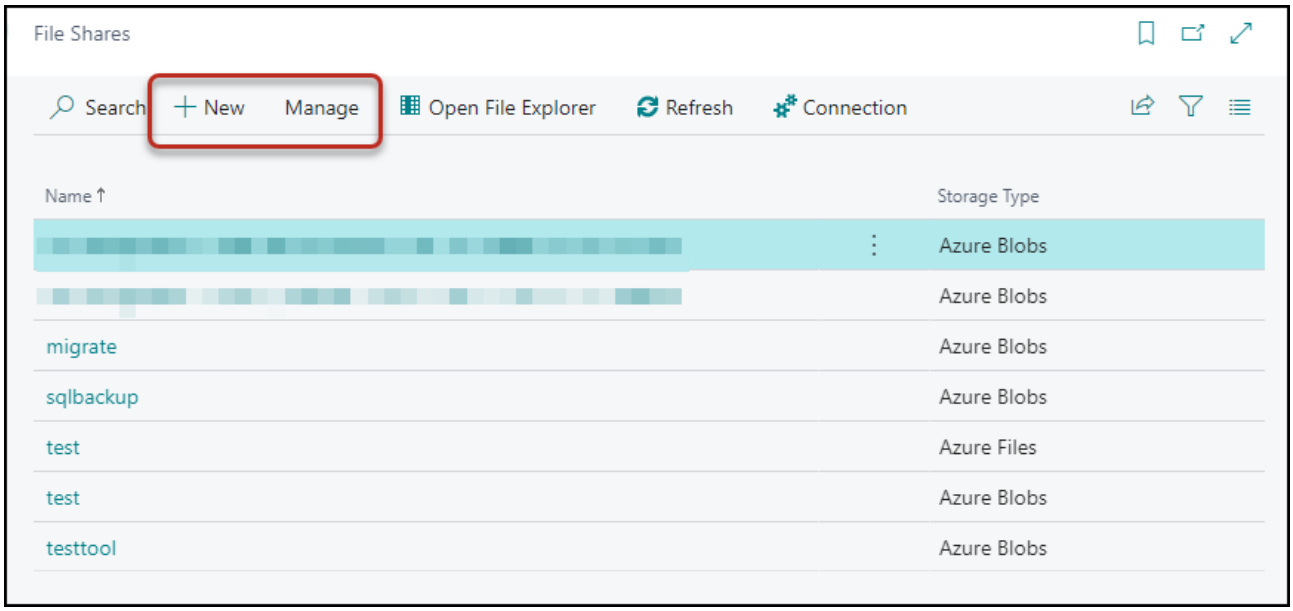


Type = Cloud Replication

For more details regarding **Replication**: see ***White Paper – TRIMIT Replication of Data***

FILE SHARES

The **File Shares** can be found via ***Actions, Shares List*** in Connection Setup Card or via **Tell me** *File Shares*



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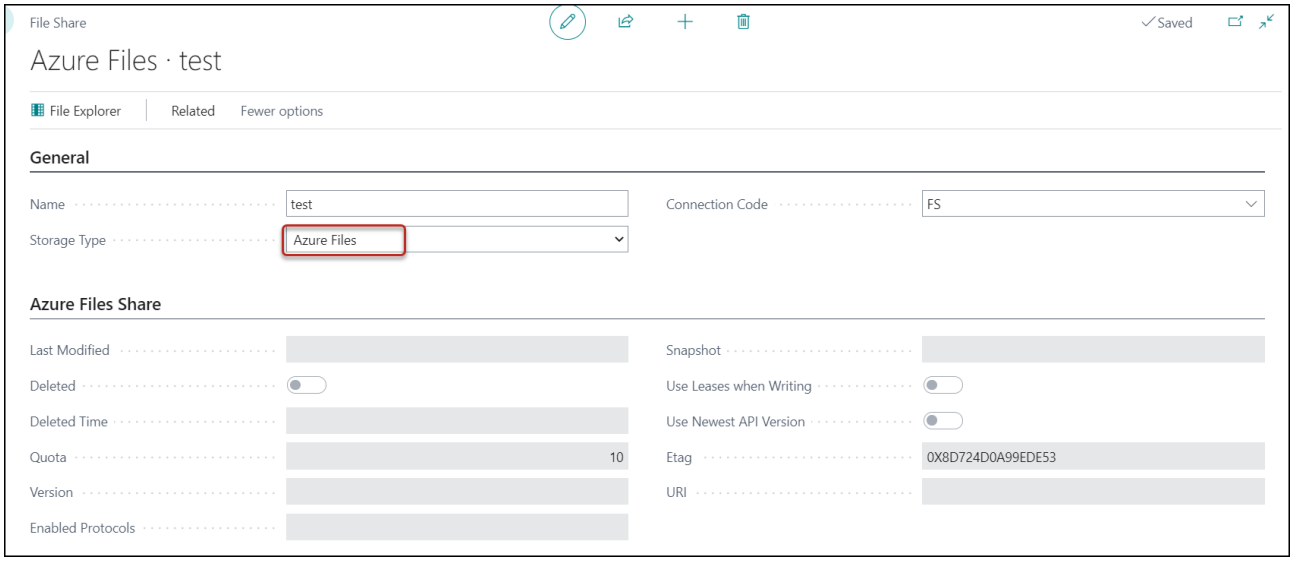
In **File Shares** you will see the File Shares that have already been created in **Azure Storage Services** or via **TRIMITs Connect Setup** functionality.

Via ***Manage, Edit*** you can edit a **File Share** or via ***+ New*** you can create a new **File Share.**
Depending on the **Storage Type** the page of the **File Share** will look different.

STORAGE TYPE = AZURE FILES



NAME

Name of the File Share

STORAGE TYPE

You can choose between the following two options:

Azure Files	Offers fully managed cloud file shares that you can access from anywhere via the industry standard Server Message Block (SMB) protocol. You can mount Azure file shares from cloud or on-premises deployments of Windows, Linux, and macOS.
Azure Blobs	Allows unstructured data to be stored and accessed at a massive scale in block blobs. Also supports Azure Data Lake Storage Gen2 for enterprise big data analytics solutions.

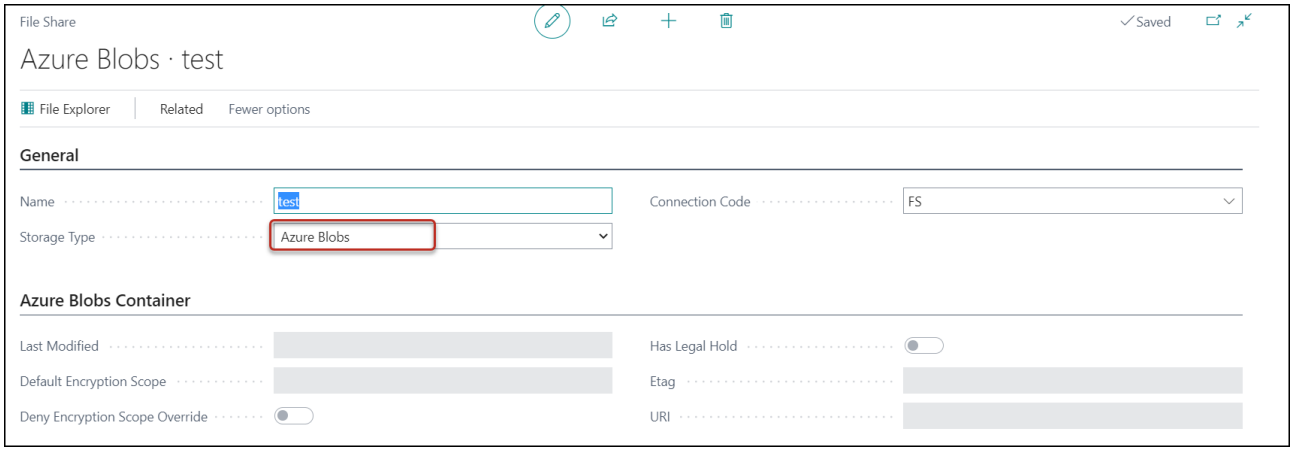
CONNECTION CODE

The **Connection Code** to which the File Share is connected to.

FASTTAB AZURE FILES SHARE

This FastTab is only showing the detailed information of your File Share of **Storage Type** *Azure Files*
You can find more information regarding these properties in many Microsoft websites, like i.e.,
https://docs.microsoft.com/en-us/rest/api/storageservices/get-blob-properties

STORAGE TYPE = AZURE BLOBS



NAME

Name of the File Share

STORAGE TYPE

You can choose between the following two options:

Azure Files	Offers fully managed cloud file shares that you can access from anywhere via the industry standard Server Message Block (SMB) protocol. You can mount Azure file shares from cloud or on-premises deployments of Windows, Linux, and macOS.
Azure Blobs	Allows unstructured data to be stored and accessed at a massive scale in block blobs. Also supports Azure Data Lake Storage Gen2 for enterprise big data analytics solutions.

CONNECTION CODE

The **Connection Code** to which the File Share is connected to.

FASTTAB AZURE BLOBS CONTAINER

This FastTab is only showing the detailed information of your File Share of **Storage Type** *Azure Blobs*
You can find more information regarding these properties in many Microsoft websites, like i.e.,
https://docs.microsoft.com/en-us/rest/api/storageservices/get-blob-properties

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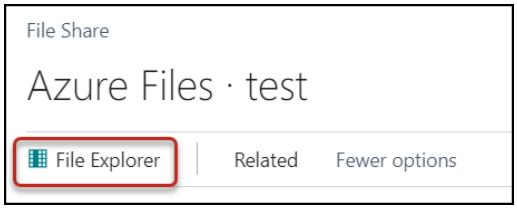
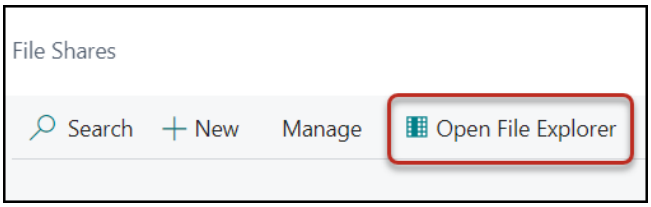
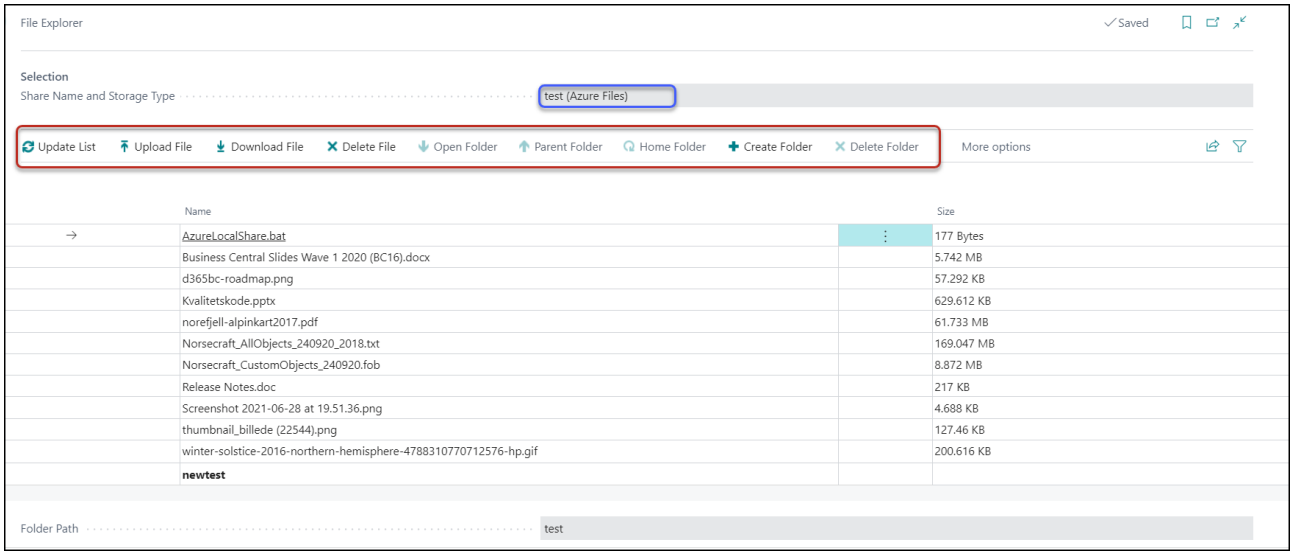
FILE EXPLORER

The **File Explorer** can be found via ***File Explorer*** in File Share Card, via ***Open File Explorer*** In File Share List or via **Tell me** *File Explorer*





When clicking ***(Open) File Explorer,*** you can see the files that have been uploaded already in a **Share Name and Storage Type** (the File Share).



If you opened the **File Explorer** via a **File Share,** the **Share Name and Storage Type** is filled and cannot be changed. Based on this **Share Name and Storage Type,** the already uploaded Files/Folders (**Name**) will be shown.
If you opened the **File Explorer** via **Tell me,** you can choose a **Share Name** and based on this, the already uploaded Files/Folders (**Name**) will be shown.

The active **Actions** depend on the **Name** of the Files in the List.

UPDATE LIST

This will update the list of the Files/Folders into the tables of TRIMIT.
This Actions is always 'active'.

UPLOAD FILE

With this Action, you can upload any file into the File Share.
This Actions is always 'active'.

DOWNLOAD FILE

With this Action, you can download any file from the File Share to your local device.
This Actions is always 'active'.

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DELETE FILE

With this Action, you can delete a file from the File Share – these are only the not-bold lines, because they represent the Folders.
This Actions is always 'active'.

OPEN FOLDER

With this Action, you can open a Folder to see which Files are in it.
Only the **bold** lines represent Folders.
This Action is only 'active' if you are standing on a line that represents a Folder.

PARENT FOLDER

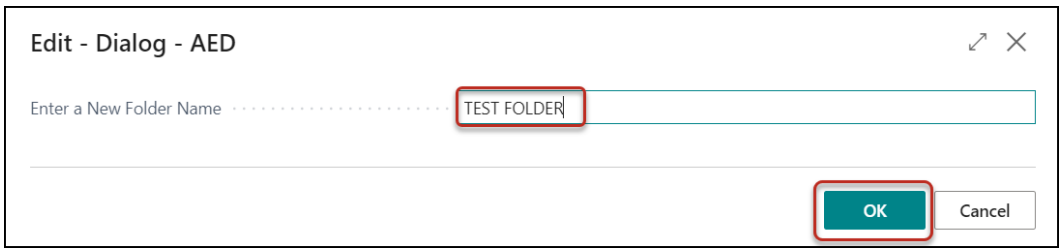
With this Action, you can go a level up, from a Folder content to the Folder.
This Action is only 'active' if you are standing on Files/Folders that have a Parent Folder

HOME FOLDER

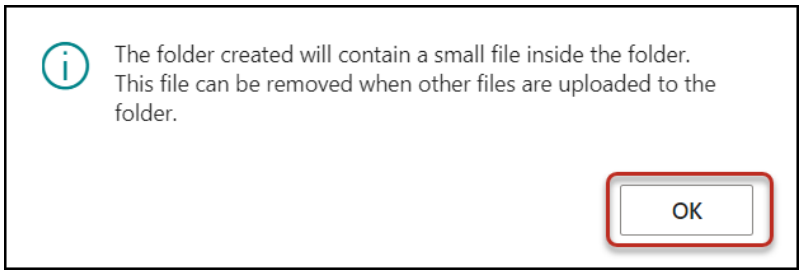
With this Action, you can go back to the highest level in the Folder structure.
This Action is only 'active' if you are standing on Files/Folders that have Parent Folder(s).

CREATE FOLDER

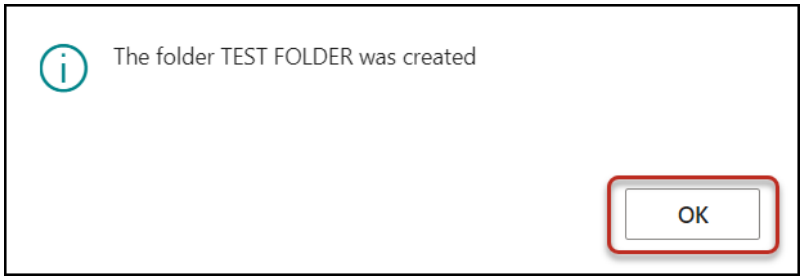
With this Action, you can create a new Folder.
For **Create Folder**, a Dialog page is opened, and you can enter the **Name** of the new Folder.



Click **OK**.
Message will appear if **Storage Type** of the File Share is *Azure Blob*:



Click **OK.**
Message will appear regardless the **Storage Type** of the File Share:



Click **OK**.

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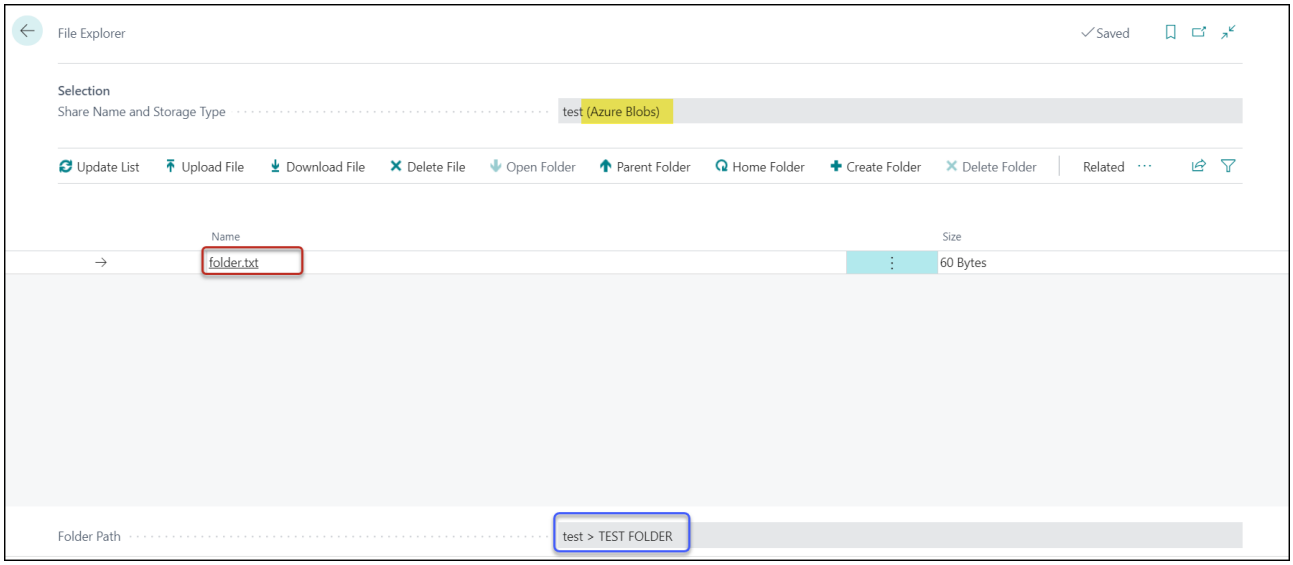
Afterwards, in case of **Storage Type** *Azure Blob*, you can see the automatically created file via **Open Folder** Action:

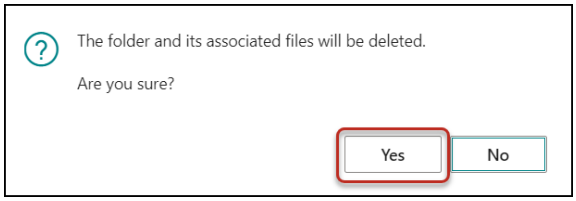


DELETE FOLDER

With this Action, you can delete a Folder.
Only the **bold** lines represent Folders.
This Action is only 'active' if you are standing on a line that represents a Folder.

What actually happens, is that the content of the Folder will be deleted, and if that has finished, the Folder itself will be deleted.

You will get a message before and after deletion:



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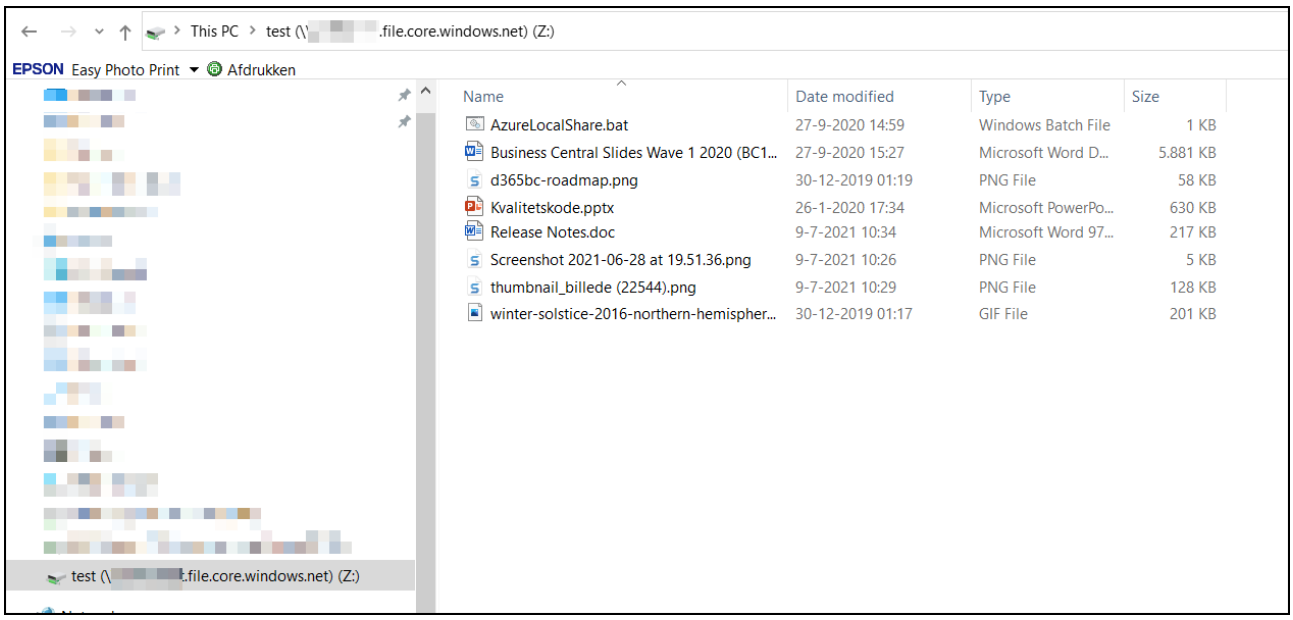
USE NETWORK DRIVE

You can create and run a .bat file to create a Network Drive for a direct connection to every File Share of your Azure Storage of **Storage Type** *Azure Files*:

1. Name for the Network Drive, i.e., Z:
2. **User Id** of your Connection Setup
3. **Name** of the File Share
4. **User Id** of your Connection Setup
5. **Password** of your Connection Setup

This would give you the possibility to see the content also directly in your regular File Explorer via a Network Drive:



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