Manual for Azure Blob Cleanup script

Internal Documentation

INTERNAL ONLY

Friday, 09 September 2016

Contents

[1. Revision history 3](#_Toc461192947)

[2. Introduction 4](#_Toc461192948)

[2.1 Scope 4](#_Toc461192949)

[3. Description 5](#_Toc461192950)

[3.1 Preparation 5](#_Toc461192951)

[3.2 Execution 5](#_Toc461192952)

# Revision history

|  |  |  |  |
| --- | --- | --- | --- |
| Release Date | Changes | Ver | Author |
| 9th September 2016 | Initial draft | 0.1 | Sandor Makai |
|  |  |  |  |

# Introduction

## Scope

This document is for giving the reader the necessary information to work with the PowerShell scripts detailed below. This is a script package with consist of

* 2 PS1 script files

The whole package contains scripts for executing the following tasks:

* Removing files from Azure Blob Storage which match to the criteria

# Description

This script package is designed to clean up the old SQL or other backup files (with extension .bak) from the specified Azure Blob storage. The main script has several runtime parameters. These are explained in the following parts of this document. This package contains 2 PS files:

* Logging.ps1 – Contains functions for logging operations
* AzureBlobCleanup.ps1 – Contains the main script

***Note:*** Both files needs to be in the same folder when the main script is executed, otherwise it will stop with error.

By executing the main script, the following tasks will be done:

* Connection established to the given Azure storage account
* Check the files on the specified container
* Remove files which match the criteria

## Preparation

For successfully running the script and have the desired result you need to have the following prerequisites:

* Azure PowerShell Module installed on the machine where the script is supposed to be run
* Account Name and Security Key for the storage account available

## Execution

To execute the main script, it needs to have the proper parameters passed to it. The following list contains all the possible scenarios:

* ***strStorageAccountName*** – Available alias is **StorageName**. It is the name of the Azure Blob storage account we want to clean up.
* ***strStorageAccountKey*** – Available alias is **StorageKey**. It is the security key for the Azure Blob storage which’s name was passed in the StorageName parameter.
* ***strContainer*** – Available alias is **Container**. It is the container where the script needs to check the files.
* ***chrCleanupTimeUnit*** – Available alias is **CleanupTimeUnit**. It identifies the unit of the Timeframe which can be the following:
  + “H” or “h” – It means the timeframe is given in Hours
  + “D” or “d” – It means the timeframe is given in Days
  + “M” or “m” – It means the timeframe is given in Months
  + “Y” or “y” – It means the timeframe is given in Years
* ***intCleanupTimeFrame*** – Available alias is **CleanupTimeFrame**. Amount of timeframe unit the script needs to work with. It can be a positive (in the future) or negative (in the past) number
* ***blnVerbose*** – Available alias is **ScriptVerbose**. If this parameter is passed to the script it will echo information on the PowerShell window as it runs.