PoINT Data Replicator

Version 2.2

System Requirements

PoINT Software & Systems GmbH

Attention
A functioning storage workflow requires a well configured system environment with devices working free of faults and, if applicable, flawless storage media. Therefore, it is of the essence that the user does backup all data by functions offered by PoINT software and/or (if required) by supplementary software products at adequate intervals (i.e. in accordance with the scope and frequency of changes), and thereby to facilitate the reinstatement of these data even in exceptional situations (i.e. in case of hardware malfunction).

Trademarks
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History of Document

Document Version	Modification Date	Product Version	Modifications
1.0	08/25/2023	2.2 Update 2	

1 Overview

PoINT Data Replicator allows replicating objects from a file system or an S3 compatible object storage to another S3 compatible object storage. In case of a file system source, the path names of the source files will be used as object identifier on the target storage so that the generated file structure will match the source system.

2 System Requirements

2.1 Operating Systems

The PoINT Data Replicator service has been tested on the following operating systems, but it should work on all platforms which are supported by the .NET 6.0 framework.

- Windows Server 2022

- Windows Server 2019

- Windows Server 2016

- Windows 10 21H2

- Ubuntu 20.04

- Red Hat Enterprise Linux 9

The web based user interface can be accessed with an HTML5 compliant web browser. JavaScript must be enabled in browser settings.

2.2 .NET Runtime

The ASP.NET Core Runtime 6.0 and .NET Runtime 6.0 are required to run the PoINT Data Replicator service. Please use the following link for information how to download and install .NET on your operating system:

https://dotnet.microsoft.com/download/dotnet/6.0

On Windows you can download and install the 'Hosting Bundle'. On Linux you need both, the .NET Runtime and ASP.NET Core Runtime.

2.3 System Resources

- It works with a CPU with at least two cores, but it is recommended to use four or more cores for optimal performance.

- A database will be generated which contains the full paths of all copied objects. This requires maximal 1024 Byte per object so that a few GBytes are enough for most cases. It is recommended to store the databases on a fast SSD.

- To improve resilience in case of read/write failures, PoINT Data Replicator reads whole objects or object parts into memory. Because the maximum part size is 5 GByte, at least this amount of memory is required exclusively for PoINT Data Replicator. But it is recommended to provide at least four times the maximum part size which will be used, so that four objects can be copied in parallel (more is better). The part size can be configured in PoINT Data Replicator.