

CA Cloud Storage for System z

Release Notes

Release 1.1.00



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Chapter 1: System Requirements

This section contains the following topics:

[Software and Hardware Requirements](#) (see page 7)

[Storage Requirements](#) (see page 8)

Software and Hardware Requirements

Operating System Requirements

- Any currently supported version of IBM z/OS
- IBM Linux on System z running SUSE Linux Enterprise Server 11 SP3 with:
 - A minimum of 1 GB of memory
 - 20 GBs of available disk space
 - The syslog service must be active.
 - A user account with super-user (sudo) authority

Hardware Requirements

- An Open Systems Adapter (OSA). We recommend a 10-GB OSA connection.
- A minimum of two FICON CTC addresses available for the subsystem under z/OS to communicate with Linux on System z
- A disk storage appliance for Virtual Volume data
Public, private, and hybrid cloud storage were tested with EMC Data Domain, NetApp, and Riverbed SteelStore appliances.

Note: Riverbed changed the product name from Whitewater to SteelStore. The CA Technologies documentation refers to the Riverbed product name at the time of CA Cloud Storage for System z release. Your Riverbed documentation and command names can be different. Unless otherwise instructed, use the commands in your Riverbed appliance documentation.

Software Requirements

- CA Cloud Storage for System z on z/OS (CA Vtape)

CA Common Services

CA Vtape uses the following Components of CA Common Services:

- Easy Access Report Language Service (EARL Service)
- CA License Management Program (CA LMP)

If other CA Technologies products are installed at your site, some or all of these services can be installed. In general, CA Vtape requires CA Common Services at a currently supported release level.

For more information about CA Common Services, see *CA Common Services Getting Started Guide* and *CA Common Services User Guide*.

Storage Requirements

Disk space estimates for all installation libraries are documented in the program directory file on the installation medium.

CA Vtape requires a Global VCAT and a Bootstrap data set (BSDS1). Each CA Vtape subsystem participating in the CA Vtape complex requires a Local VCAT.

Because the Global VCAT and BSDS1 back each other up, allocate them on separate DASD volumes. To determine their storage requirements, the following algorithm can be used:

$$\begin{array}{rcl} \text{Control Information Area} + \text{VOLSER Area} & = & \text{Total Size} \\ 608\ 3390 \text{ tracks} + \text{Total VOLSERs} / 12 & = & \text{Total 3390 Tracks} \end{array}$$

A Global VCAT and BSDS1 pair containing 100,000 VOLSER records would each require:

$$608\ 3390 \text{ tracks} + 100,000 / 12 = 8,932\ 3390 \text{ tracks}$$

Define the catalog on a DASD volume other than the ones containing the Global VCAT and BSDS1.

Each Local VCAT requires 683 3390 tracks.

Chapter 2: New and Changed Features

This section contains the following topics:

[Best Practices](#) (see page 9)

[Checks for SORTWK DD Statements](#) (see page 9)

[Cold and Warm Site Disaster Recovery](#) (see page 9)

[Fix Metal C Program CCR3FCNS in Memory](#) (see page 9)

[Jumbo Frames](#) (see page 10)

[NFS Appliances Support](#) (see page 10)

Best Practices

A *Best Practices* guide provides information about how to run CA Cloud Storage for System z for best results. By following the best practice recommendations, you can improve your performance and reliability, improve recoverability from failure, and reduce your costs.

Checks for SORTWK DD Statements

To simplify the JCL, CA Vtape no longer checks for SORTWK data definition (DD) JCL statements in SVTSUTIL functions. SVTSUTIL can now be run without SORTWKnn DD statements.

Cold and Warm Site Disaster Recovery

The new *Best Practices* guide provides cold and warm site disaster recovery best practices. The *Administration Guide* provides the recovery processes and procedures for supported appliances and CA Vtape.

Fix Metal C Program CCR3FCNS in Memory

The "Fix Metal C Program CCR3FCNS in Memory" procedures, which required interaction with SETPROG is now automated. The *Configuration Guide* no longer includes the related procedures.

Jumbo Frames

The *Linux Installation and Configuration Guide* provides procedures for exploiting Jumbo Frames for CA Cloud Storage for System z to decrease System z CPU usage and increase network throughput.

NFS Appliances Support

If you cannot move data off premises, CA Cloud Storage for System z provides support for storing data in a private cloud. CA Cloud Storage for System z supports private and hybrid storage clouds with EMC Data Domain, NetApp, and Riverbed SteelStore.