

VMware Cloud Director Object Storage Extension 2.1.0.1 Release Notes

VMware Cloud Director Object Storage Extension 2.1.0.1

You can find the most up-to-date technical documentation on the VMware website at:

<https://docs.vmware.com/>

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Introduction

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VMware Cloud Director Object Storage Extension 2.1.0.1 | 13 DEC 2021 | Build 19069038

Check for additions and updates to these release notes.

What's New

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VMware Cloud Director Object Storage Extension 2.1.0.1 includes a security fix for the CVE-2021-44228 and CVE-2021-45046 vulnerabilities.

Upgrade

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You can upgrade directly to VMware Cloud Director Object Storage Extension 2.1.0.1 from versions 2.x and 1.5. See [Upgrading VMware Cloud Director Object Storage Extension](#).

Resolved Issues

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- **Remote code execution vulnerability CVE-2021-44228 and CVE-2021-45046 in Apache Log4j.**

In VMware Cloud Director Object Storage Extension 2.1.0.1 patch release Apache log4j has been updated to version 2.16 to resolve CVE-2021-44228 and CVE-2021-45046. For more information on these vulnerabilities and their impact on VMware products please see [VMSA-2021-0028](#).

This issue is now resolved.

- **When you access S3 resources by using virtual hosted-style API requests, if your FQDN contains a hyphen (-), the API calls fail.**

When you access S3 resources using virtual hosted-style API requests, if the URL contains a hyphen, for example <https://a-bucket.s3.ose-host.com/xyz.txt>, the request fails.

This issue is now resolved.

Product Documentation

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All documentation is available on the [VMware Cloud Director Object Storage Extension Documentation](#) page.

Known Issues

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- **You cannot log in to VMware Cloud Director Object Storage Extension as a service administrator**

When you try to log in to VMware Cloud Director Object Storage Extension as a service administrator, the login is unsuccessful. The problem is observed on a random basis and it occurs if you have multiple groups which are mapped to multiple VMware Cloud Director roles.

Workaround: Log in to VMware Cloud Director Object Storage Extension with a user that has a single group, mapped to their VMware Cloud Director role.

- **You cannot push images to the VMware Harbor Registry**

When you try to push an image to the VMware Harbor Registry and the VMware Harbor Registry server uses VMware Cloud Director Object Storage Extension S3 as a backend storage, the process fails. The problem is observed when VMware Harbor Registry is configured with VMware Cloud Director Object Storage Extension S3 endpoint and credentials.

Workaround: Request a hotfix from VMware.

- **Bucket synchronization does not synchronize all objects when object paths contain special symbols**

VMware Cloud Director Object Storage Extension synchronizes the first 1,000 objects to the database. Special symbols include characters that might be encoded in the URL.

Workaround: None.

- **You cannot create a bucket policy with a UI-generated service instance ID**

When you try to create a bucket policy and use the UI to generate the service instance ID, the process fails.

Workaround: Create the service instance ID manually and ensure it does not include the hyphen symbol (-) .

- **The S3 service of VMware Cloud Object Storage Extension is unavailable**

When you start or view VMware Cloud Object Storage Extension, the VMware Cloud Object Storage Extension service is active, but the S3 service is unavailable, with the following error message in the log file:

```
S3_TOKEN_AUTH_ERROR
```

The issue is observed if the time gap between the S3 client and the VMware Cloud Object Storage Extension VM is over 20 seconds.

Workaround 1: Change the gap time between the S3 client and the VMware Cloud Object Storage Extension VM to less than 20 seconds, for example, NTP for the VMware Cloud Object Storage Extension VM.

Workaround 2: Run the command `oss.s3.request-expire-time=3600` and restart the VMware Cloud Object Storage Extension service.

- **Sync Now option does not work when synchronizing buckets**

When objects or folders are uploaded through the S3 API, the changes are not showing up in VMware Cloud Director Object Storage Extension after clicking the Sync Now button.

Workaround: Click the Sync Now button after the bucket accumulates enough number of object changes - more than 500 new objects. New objects might not be displayed in the portal but they can be accessed through the VMware Cloud Director Object Storage Extension S3 API directly.

- **Synchronization tasks of buckets with more than 60 thousand objects fail with a timeout error**

When you try to sync a bucket that contains more than 60 thousand objects, the synchronization task expires after 24 hours.

Workaround: Click the Sync Now button repeatedly until the synchronization task completes successfully.