

VMware Cloud Director Object Storage Extension

1.5 Release Notes

VMware Cloud Director Object Storage Extension 1.5 | 16 APR 2020 | Build 16046355

Check for additions and updates to these release notes.

What's in the Release Notes

The release notes cover the following topics:

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What's New

VMware Cloud Director Object Storage Extension 1.5 introduces the following new capabilities:

- **Support for Dell ECS 3.4**

In addition to supporting Cloudian HyperStore, VMware Cloud Director Object Storage Extension 1.5 extends the storage vendor compatibility by supporting Dell ECS 3.4. To make use of the feature, service providers must deploy an ECS storage cluster in their environment and configure VMware Cloud Director Object Storage Extension to work with that cluster. See [ECS Deployment Requirements](#) and [Configure VMware Cloud Director Object Storage Extension with ECS](#).

- **Support for virtual hosted-style S3 API requests**

Earlier versions of VMware Cloud Director Object Storage Extension supported only path style S3 API requests. Starting with VMware Cloud Director Object Storage Extension 1.5, you can make S3 REST API requests using virtual hosted-style URIs. For more information about virtual hosted-style and path-style requests, see <https://docs.aws.amazon.com/AmazonS3/latest/dev/RESTAPI.html>.

- **Enhanced Multisite feature**

Provider users can customize storage mapping for multisite tenants and tenant users can manage buckets across different organizations and remote sites. See [Edit Tenant Mapping Configuration](#).

- **S3 Compliance Additions**

VMware Cloud Director Object Storage Extension 1.5 supports bucket logging, versioning of buckets and objects, and configuring cross-origin resource sharing. See [Working with Bucket Logs](#), [Enable or Disable Versioning](#), and [Working with Cross-Origin Resource Sharing Rules](#).

Upgrade

You can upgrade to VMware Cloud Director Object Storage Extension 1.5 from versions 1.0 and 1.0.1.

To upgrade VMware Cloud Director Object Storage Extension to version 1.5, uninstall the earlier version of the software from the host machine, install the new RPM package, prepare your database, and run a data migration script. See [Upgrading VMware Cloud Director Object Storage Extension](#).

Supported Browsers

VMware Cloud Director Object Storage Extension is compatible with Internet Explorer 11 and the current and last major versions of the following browsers:

- Google Chrome
- Mozilla Firefox
- Microsoft Edge

Caveats and Limitations

- S3 API requests authenticated with application credentials do not support the following use cases:
 - Accessing a shared bucket if another user grants you permissions for the bucket.
 - Deleting multiple objects simultaneously with a single API request.
 - Restriction on copying objects from buckets that you own.
- VMware Cloud Director and the underlying storage systems have different limitations on user names. To use VMware Cloud Director Object Storage Extension, user names must comply with both the requirements of VMware Cloud Director and the underlying storage system. A best practice is to use short user names (under 50 bytes) and to use alphanumeric characters.
 - If you are using Cloudfire storage, increase the maximum length of user IDs from 64 bytes to 255 bytes.
 - If you are using ECS storage, the maximum length of user IDs is 91 bytes.

Product Documentation

In addition to the current release notes, you can use the *VMware Cloud Director Object Storage Extension* documentation set at <https://docs.vmware.com/en/VMware-Cloud-Director-Object-Storage-Extension/index.html>.

Known Issues

- **You cannot edit the tags or the access control list (ACL) of buckets and objects that are migrated from VMware Cloud Director Object Storage Extension 1.0**

If you create buckets and objects with VMware Cloud Director Object Storage Extension 1.0, and then migrate the buckets and objects to version 1.0.1 or 1.5, you cannot edit the tags and the ACLs for the buckets and objects.

Workaround: Create a new bucket and copy the objects to the new bucket.

- **You cannot change the publishing status of catalogs created with VMware Cloud Director Object Storage Extension 1.0**

If you created catalogs using VMware Cloud Director Object Storage Extension 1.0 and upgraded to version 1.5, you cannot change the publishing status of the catalogs.

Workaround: Create a new catalog with VMware Cloud Director Object Storage Extension 1.5 and copy the items from the old to the new catalog or download the catalog items and upload them to the new catalog.

- **If you change the tenant server-side configuration from SSE-S3 to SSE-C, or alter the configuration from SSE-C during multi-version uploads, you cannot download earlier versions of the objects**

If bucket versioning is enabled for a bucket and you upload multiple versions of an object, and then change the tenant server-side encryption configuration, and upload a new version of an object, you cannot download earlier versions of the object.

Workaround: None. As an organization administrator, edit the tenant server-side encryption only if users do not upload new versions of their objects. If users need the earlier versions of their objects, download the required earlier versions locally.