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VMware Cloud Director Object Storage Extension 2.0.0.1 Release Notes

VMware Cloud Director Object Storage Extension 2.0.0.1 | 14 JAN 2021 | Build 17425931

Check for additions and updates to these release notes.

What's in the Release Notes

The release notes cover the following topics:

- What's New
- Upgrade
- Resolved Issues
- Known Issues

What's New

This release of VMware Cloud Director Object Storage Extension includes fixes described in the Resolved Issues section.

Upgrade

You can upgrade directly to VMware Cloud Director Object Storage Extension 2.0.0.1 from versions 2.0 and 1.5. See Upgrading VMware Cloud Director Object Storage Extension 2.0.0.1.

Resolved Issues

- **Multipart upload to a folder fails with exceptions**
  If the target for a multipart upload is a folder, the process fails.

  This issue is now resolved.

- **Attempting to enable a VMware Cloud Director tenant storage on a custom Cloudian group fails with an error message.**
  When a service provider specifies a custom Cloudian group during the enablement of a VMware Cloud Director tenant, the operation fails with the following error:

  ```
  Failed to exchange user info between Cloud Director and storage platform.
  ```

  This issue is now resolved.

Known Issues

- **If you store more than 10 million objects in VMware Cloud Director Object Storage Extension, the time to list the objects in buckets increases.**
  For example, listing the objects in a bucket with more than 12 million objects takes about 30 seconds.

  When you list objects in a bucket, VMware Cloud Director Object Storage Extension queries the object_info table in the database and the table consists of as many rows, as there are objects in the bucket. In the same query statement, SQL keyword `order by`, the functions `lower` and `count`, and the operator `like` also increase the time to execute the query.

  Workaround: To work around this issue and to reduce the time to execute the query to a couple of seconds, create a multi-index for `last_modified`, `bucket_path` and `lower(bucket_path)` in the database. To create a multi-index for PostgreSQL, use the following command:
  ```
  CREATE INDEX idx_multi_object ON public.object_info USING btree (last_modified DESC,
  bucket_path, lower(bucket_path))
  ```

- **Tenant users cannot download text files.**
  If you use HTTP compression on the load balancer for your storage platform, the load balancer compresses the text files incorrectly. As a result, downloading the objects fails.

  Workaround: To work around this issue, turn off the HTTP compression on the load balancer.