Working with a public Swift container

Prerequisites

In order to create a Swift container, be sure that you have installed and configured the required command-line interface (CLI) tools.

Creating the container

To create a public container (that is, one whose contents can be accessed without credentials), use the following command:

OpenStack CLI Swift CLI

```
$ swift post --read-acl ".r:*,.rlistings" public-
container h your current set of credentials,
```

use this command: This command produces no output.

OpenStack CLI Swift CLI

+------+

\$ swift list
privatecontainer
public-

detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an individual container, you can also detailed information about an i

OpenStack CLI Swift CLI

```
openstack container show public-container
+----+
| Field | Value
+-----+
account
AUTH 30a7768a0ffc40359d6110f21a6e7d88 |
| bytes_used | 0
| container | public-container
object count | 0
read_acl | .r:*,.rlistings |
| storage_policy | default-placement
$ swift stat public-container
          Account:
AUTH 30a7768a0ffc40359d6110f21a6e7d88
        Container: public-container
          Objects: 0
           Bytes: 0
          Read ACL: .r:*,.rlistings
          Write ACL:
           Sync To:
          Sync Key:
         X-Timestamp: 1670235997.87682
X-Container-Bytes-Used-Actual: 0
      X-Storage-Policy: default-placement
       X-Storage-Class: STANDARD
       Last-Modified: Mon, 05 Dec 2022
10:26:37 GMT
         X-Trans-Id:
tx00000cd9e7c26095ab862-00638dc78a-301ddeb-
   X-Openstack-Request-Id:
tx00000cd9e7c26095ab862-00638dc78a-301ddeb-
default
        Accept-Ranges: bytes
        Content-Type: text/plain; charset=utf-8
```

local test file:

echo "hello world" > testobj.txt

Then, upload the file (as a Swift object) into your container, and read back its metadata:

OpenStack CLI Swift CLI



\$ openstack object save --file - privatecontainer testobj.txt hello world

The --file - option prints the file contents to stdout. If instead you want to save the object's content to a local file, use --file <filename>.

If you omit the --file argument altogether, openstack object save will create a local file named like the object you are downloading (in this case, testobj.txt).

\$ swift download o - privatecontainer
testobj.txt
hello world

The -o - option prints the file contents to stdout. If instead you want to save the object's content to a local file, use -o <filename>.

If you omit the -o argument altogether, swift download will create

a local file named

like the object you

However, this being a public container, you can also retrieve your object using any are downloading (in regular HTTP/HTTPS client, using a public URL. This URL is composed as follows: this case.

testobj.txt wift API's base URL, which differs by Cleura Cloud region (https:// swift-<region>.citycloud.com:<port>/swift/v1/),

- 2. the container's account string, starting with AUTH,
- 3. the container name (in our example, public-container),
- 4. the object name (in our example, testobj.txt).

Rather than composing the public URL manually, you can also retrieve it by parsing the CLI's debug output:

OpenStack CLI Swift CLI

```
$ openstack object show --debug public-
container testobj.txt 2>&1 \
 grep -o "https://.*testobj.txt"
https://swift-fra1.citycloud.com:8080/swift/
AUTH 30a7768a0ffc40359d6110f21a6e7d88/
public-container/testobj.txt
https://swift-fra1.citycloud.com:8080
"HEAD /swift/v1/
AUTH 30a7768a0ffc40359d6110f21a6e7d88/
public-container/testobj.txt
https://swift-fra1.citycloud.com:8080/swift/
v1/
AUTH 30a7768a0ffc40359d6110f21a6e7d88/
public-container/testobj.txt
                                               le uses curl:
$ swift stat --debug public-container
testobj.txt 2>&1 \
$ curl https://swift-fra1.citycloud.com:8080/swift/v1/
```

you can fetch the object's contents

AUTH 30a7768a0ffc40359d6110f21a6e7d88/public-container/testobj.txt hello world

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public-container/testobj.txt