Working with a private Swift container

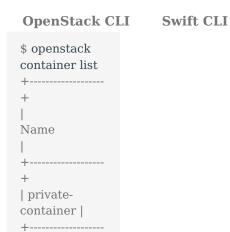
Prerequisites

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

Creating a private container

To create a private container (that is, one that can only be accessed with proper Swift API credentials), use the following command:

This reasonant produces the reduces the control of the control of



```
$ swift list
private-
container
```

To retrieve more detailed information about an individual container, you can also use this command:

OpenStack CLI Swift CLI

```
$ openstack container show private-container
+-----+
| Field | Value
+-----+
account |
AUTH_30a7768a0ffc40359d6110f21a6e7d88 |
| bytes_used | 0 | | container | private-container
| storage_policy | default-placement +------
$ swift stat private-container
          Account:
AUTH 30a7768a0ffc40359d6110f21a6e7d88
          Container: private-container
           Objects: 0
            Bytes: 0
           Read ACL:
          Write ACL:
           Sync To:
           Sync Key:
         X-Timestamp: 1670234012.31534
X-Container-Bytes-Used-Actual: 0
      X-Storage-Policy: default-placement
       X-Storage-Class: STANDARD
       Last-Modified: Mon, 05 Dec 2022
09:53:32 GMT
          X-Trans-Id:
tx0000073eebb42acd6e7e1-00638dbfe8-301ddeb-
   X-Openstack-Request-Id:
tx0000073eebb42acd6e7e1-00638dbfe8-301ddeb-
default
        Accept-Ranges: bytes
                                            a local test file:
        Content-Type: text/plain; charset=utf-8
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

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testobj.txt	bject create private-container
++	++
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object co	ontainer
etag	l l
	++
+	
	private-container
)24bdd0c176cb93063dc4
	++
+	
testobj.txt	bject show private-container
	+
Field	
	+
account	1
_	58a0ffc40359d6110f21a6e7d88 private-container
content-leng	• =
content-leng	· ·
etag	toxt, plan
	024bdd0c176cb93063dc4
	l Mon, 05 Dec 2022 10:00:34
GMT	1 1-1011, 05 200 2022 10.00.01
object	testobi.txt
properties	
	234292.370177'
++	+
\$ swift upload testobj.txt	l private-container testobj.txt
\$ swift stat pr	vivate-container testobj.txt
	58a0ffc40359d6110f21a6e7d88
_	iner: private-container
	ect: testobj.txt
	t Type: text/plain
	Length: 12
	dified: Mon, 05 Dec 2022 10:00:34
GMT	
ET	'ag:
6f5902ac2370	024bdd0c176cb93063dc4
Meta I	Mtime: 1670234292.370177
Accept-F	Ranges: bytes
X-Time:	stamp: 1670234434.67877
X-Tran	ıs-Id:
tx000000f26c	cf73c19f596-00638dc160-300de11-
default	
X-Openstack-F	
	cf73c19f596-00638dc160-300de11-
default	
doladio	

ner, use the following command:

\$ 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 are downloading (in

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