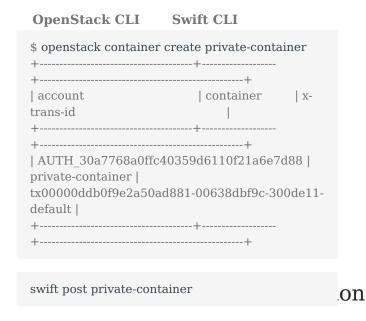
# Working with a private Swift container

### Prerequisites

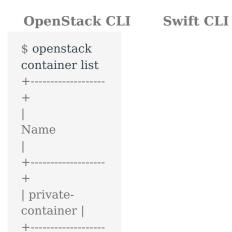
In order to create a Swift container, be sure that you have installed and configured the required command-line interface (CLI) tools.

#### 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

•	
\$ openstactestobj.txt	ck object create private-container
+	+
+	
Lobiect	container
etag	
0	
	+
+	
testobj.tx	t   private-container
6f5902ac2	37024bdd0c176cb93063dc4
+	+
+	
testobj.txt	ck object show private-container
	++
	Value
+	++
account	
AUTH 30a	17768a0ffc40359d6110f21a6e7d88
	r   private-container
content-le	
•	
	ype   text/plain
etag	
	37024bdd0c176cb93063dc4
last-modi	fied   Mon, 05 Dec 2022 10:00:34
GMT	
object	testobj.txt
propertie	
	570234292.370177'
	+
'	·
\$ swift upl testobj.txt	oad private-container testobj.txt
	t private-container testobj.txt
	account:
AUTH_30a	17768a0ffc40359d6110f21a6e7d88
Со	ontainer: private-container
(	Object: testobj.txt
	tent Type: text/plain
	ent Length: 12
	Modified: Mon, 05 Dec 2022 10:00:34
	Modified: Moff, 05 Dec 2022 10:00:54
GMT	T.M.
	ETag:
	37024bdd0c176cb93063dc4
Me	eta Mtime: 1670234292.370177
Acce	pt-Ranges: bytes
	imestamp: 1670234434.67877
	rans-Id:
	26ccf73c19f596-00638dc160-300de11-
	20001/30191390-0003000100-3000e11-
default	
_	ck-Request-Id:
	26ccf73c19f596-00638dc160-300de11-
default	

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

this wase; 2022-12-21 testord:tx032-12-05 Authors: Florian Haas