


Migrate Object Storage Classic to Oracle Cloud Infrastructure

Source : <https://docs.oracle.com/en/cloud/iaas/compute-iaas-cloud/migrate-oci/migrate-object-storage.html#GUID-A0D34FD1-1908-4653-BEB8-EF054C5E2083>

First, connect to your Storage Classic summary from the MyServices Dashboard to get your Cloud Account Name and your Rest Endpoint

 **Service: Oracle Cloud Infrastructure Object Storage Classic**

[Overview](#) [Billing Metrics](#) [Billing Alerts](#) [Monitoring Metrics](#) [Business Metrics](#) [Documents](#)

Overview Information

Category	Oracle IaaS and PaaS Cloud Services
Cloud Account Name	emeacsm
Cloud Account Id	cacct-96994
Subscription	

Additional Information

Plan	Oracle Cloud Infrastructure Object Storage Classic	Identity Service Id	idcs-394d52f48
Service Start Date	29-Oct-2018	Status	Active
Subscription ID	711	Buyer	florian.bonneville@oracle.com
Service Instance ID	611	REST Endpoint (Permanent)	https://Storage-ffa187-441297.eu.storage.oraclecloud.com
Customer Account	Oracle Corporation UK Limited - Inter...	REST Endpoint	https://emeacsm.eu.storage.oraclecloud.com/v1/Storage-emeacsm
CSI Number	21	Auth V1 Endpoint	https://emeacsm.eu.storage.oraclecloud.com/auth/v1.0

Now you must get an Auth Token

/! The Auth Token is ONLY valid for 30 minutes !

you will need :

Your Cloud Account Name, here : **emeacsm**

Your Cloud Account User, here : **migration**

Your Cloud Account Password, here : **TOTO2010**

Your Auth V1 Endpoint, here :

<https://emeacsm.eu.storage.oraclecloud.com/auth/v1.0>

```
curl -v -X GET \
  -H "X-Storage-User: Storage-emeacsm:migration" \
  -H "X-Storage-Pass: TOTO2010" \
  https://emeacsm.eu.storage.oraclecloud.com/auth/v1.0
```


What you should get =>

```
* About to connect() to emeacsm.eu.storage.oraclecloud.com port 443 (#0)
* Trying 150.12.123.1...
* Connected to emeacsm.eu.storage.oraclecloud.com (150.12.123.1) port 443 (#0)
* Initializing NSS with certpath: sql:/etc/pki/nssdb
* CAfile: /etc/pki/tls/certs/ca-bundle.crt
  CApath: none
* SSL connection using TLS_ECDHE_RSA_WITH_AES_128_GCM_SHA256
* Server certificate:
*   subject: CN=*.eu.storage.oraclecloud.com,OU=Oracle CSEC SLOUGH....
*   start date: Oct 08 00:00:00 2018 GMT
*   expire date: Jan 06 12:00:00 2021 GMT
*   common name: *.eu.storage.oraclecloud.com
*   issuer: CN=DigiCert SHA2 Secure Server CA,O=DigiCert Inc,C=US
> GET /auth/v1.0 HTTP/1.1
> User-Agent: curl/7.29.0
> Host: emeacsm.eu.storage.oraclecloud.com
> Accept: */*
> X-Storage-User: Storage-emeacsm:migration
> X-Storage-Pass: TOTO2010
>
< HTTP/1.1 200 OK
< date: 1555452982446
< X-Auth-Token: AUTH_tkc38b6c91f4b2602c86fe19d49f92eebb
< X-Storage-Token: AUTH_tkc38b6691f4b233386fe19d49f92aabb
< X-Storage-Url: https://eucom-north-1.storage.oraclecloud.com/v1/Storage-emeacsm
< Content-Length: 0
< Server: Oracle-Storage-Cloud-Service
<
* Connection #0 to host emeacsm.eu.storage.oraclecloud.com left intact
```

Install Rclone :

```
sudo yum install rclone -y
mkdir ~/.config/rclone/
```

Setup your OCI Environment:
Create a Bucket



Object Storage

Object Storage


Data Transfer

List Scope

COMPARTMENT
Sys_Admin

Buckets *in Sys_Admin Compartment*

Create Bucket


 migocic

Created: T

Add a Customer Secret Key to your OCI account
(local or IDCS account)

ORACLE Cloud

Identity » Users » User Details » Customer Secret Keys



ACTIVE

This user is created through IDCS federation. Manage [user profile details through IDCS federation here](#).

oracleidentitycloudservice/florian.bonneville@oracle.com

Description: florian.bonneville@oracle.com

Edit User Capabilities Apply Tag(s)

User Information Tags

OCID: ...to4baa [Show](#) [Copy](#)

Created: Tue, 18 Dec 2018 14:39:15 GMT

Identity Provider: OracleIdentityCloudService

Email :

Capabilities

Local password: No

API keys: Yes

Auth tokens: Yes

Resources

- API Keys (1)
- Auth Tokens (0)
- SMTP Credentials (0)
- Customer Secret Keys (0)

Customer Secret Keys

Generate Secret Key

There are no custo

Generate

Generate the Secret Key

Generate Secret Key [help](#) [cancel](#)

NAME

MySecret

Generate Secret Key

<p>Copy your Key (secret_access_key)</p>	<div data-bbox="925 100 2134 392"> <div>Generate Secret Key help close</div> <div>GENERATED KEY</div> <div>Ta8YCagUiW50tB0/F3eDatkgt+uJKCEqqEH7Dwra618=</div> <div>Copy this key for your records. It will not be shown again.</div> <div>Copy</div> <div>Close</div> </div>
<p>Copy your key id (access_key_id)</p>	<div data-bbox="925 440 2134 754"> <h2>Customer Secret Keys</h2> <div>Generate Secret Key</div> <div> <div>K</div> <div>Access Key: ... Show Copy</div> <div>Name: MySecret</div> </div> </div>
<p>Setup Rclone config :</p> <pre>vi ~/.config/rclone/rclone.conf</pre> <p>What you must write =></p>	<pre>[classic-source] type = swift env_auth = false user = Storage-emeacsm:migration key = TOTO2010 storage_url = https://eucom-north-1.storage.oraclecloud.com/v1/Storage-emeacsm auth = https://emeacsm.storage.oraclecloud.com/auth/v1.0 auth_token = AUTH_tkc38b6c91f4b2602c86fe19d49f92eebb [oci-dest] type = s3 env_auth = false access_key_id = d6fbf90ad80a3a4ef2fdb51842384a41076b7691 secret_access_key = Ta8YCagUiW50tB0/F3eDatkgt+uJKCEqqEH7Dwra618= region = eu-frankfurt-1 endpoint = https://oracsmemeaspec.compat.objectstorage.eu-frankfurt-1.oraclecloud.com</pre>

<p>List your Classic Object Storage, if you get an error, your Auth Token has probably expired (30')</p> <p>Identify your source bucket here : Migration</p> <pre>rclone -v ls classic-source:</pre> <p>What you should get =></p>	<table><tr><td>4660567187</td><td>2019-04-16 22:51:38</td><td>130</td><td>Migration</td></tr><tr><td>0</td><td>2019-04-16 22:51:38</td><td>1</td><td>compute_images</td></tr><tr><td>1166160016</td><td>2019-04-16 22:51:38</td><td>45</td><td>compute_images_segments</td></tr><tr><td>13084989352</td><td>2019-04-16 22:51:38</td><td>2004</td><td>dbcs-javaTest3</td></tr></table>	4660567187	2019-04-16 22:51:38	130	Migration	0	2019-04-16 22:51:38	1	compute_images	1166160016	2019-04-16 22:51:38	45	compute_images_segments	13084989352	2019-04-16 22:51:38	2004	dbcs-javaTest3
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13084989352	2019-04-16 22:51:38	2004	dbcs-javaTest3														
<p>List your OCI Object Storage</p> <p>Identify your target bucket here : migocic</p> <pre>rclone -v ls oci-dest:</pre> <p>What you should get =></p>	<table><tr><td>-1 2019-02-27 02:01:16</td><td>-1 Archive</td></tr><tr><td>-1 2019-01-21 17:56:17</td><td>-1 Florian</td></tr><tr><td>-1 2019-02-04 11:51:34</td><td>-1 ImportedVM</td></tr><tr><td>-1 2019-03-21 10:50:42</td><td>-1 TestBkt</td></tr><tr><td>-1 2019-04-15 18:26:37</td><td>-1 data</td></tr><tr><td>-1 2019-04-16 22:40:00</td><td>-1 migocic</td></tr></table>	-1 2019-02-27 02:01:16	-1 Archive	-1 2019-01-21 17:56:17	-1 Florian	-1 2019-02-04 11:51:34	-1 ImportedVM	-1 2019-03-21 10:50:42	-1 TestBkt	-1 2019-04-15 18:26:37	-1 data	-1 2019-04-16 22:40:00	-1 migocic				
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-1 2019-04-16 22:40:00	-1 migocic																
<pre>rclone -I --log-level DEBUG copy classic-source:Migration oci-dest:migocic</pre> <p>What you should get =></p>	<p>2019/04/16 22:54:44 DEBUG : rclone: Version "v1.47.0" starting with parameters ["rclone" "-I"...</p> <p>2019/04/16 22:54:44 DEBUG : Using config file from "/home/opc/.config/rclone/rclone.conf"</p> <p>2019/04/16 22:54:45 INFO : S3 bucket migocic: Waiting for checks to finish</p> <p>2019/04/16 22:54:45 INFO : S3 bucket migocic: Waiting for transfers to finish</p> <p>2019/04/16 22:54:45 INFO : DtcInstall.log: Copied (new)</p> <p>2019/04/16 22:54:45 INFO : HelpPane.exe: Copied (new)</p> <p>2019/04/16 22:54:45 INFO : PFRO.log: Copied (new)</p> <p>2019/04/16 22:54:45 INFO : ServerStandard.xml: Copied (new)</p> <p>2019/04/16 22:54:46 INFO : WindowsShell.Manifest: Copied (new)</p> <p>2019/04/16 22:54:46 INFO : WMSysPr9.prx: Copied (new)</p> <p>2019/04/16 22:54:46 INFO : bfsvc.exe: Copied (new)</p> <p>2019/04/16 22:54:46 INFO : WindowsUpdate.log: Copied (new)</p> <p>...</p> <p>Transferred: 4.340G / 4.340 GBytes, 100%, 46.065 MBytes/s, ETA 0s</p> <p>Errors: 0</p> <p>Checks: 0 / 0, -</p> <p>Transferred: 29 / 29, 100%</p> <p>Elapsed time: 1m36.4s</p> <p>2019/04/16 22:56:21 DEBUG : 12 go routines active</p> <p>2019/04/16 22:56:21 DEBUG : rclone: Version "v1.47.0" finishing</p>																

What you should get on OCI =>



migocic

Change Compartment

Update Visibility

Delete

Apply Tag(s)

Bucket Information

Tags

Namespace: oracsmemeaspec

Storage Tier: Standard

ETag: ef8722b7-1b79-4451-ab99-96dfd8127234

Approximate Count: 27 objects ⓘ

Encryption Key: None [Assign](#)

[Developer tools](#) are available for advanced object operations.

Resources

Objects

Metrics

Pre-Authenticated Requests

Work Requests

Lifecycle Policy Rules

Objects

Upload Object

Restore Object

bfsvc.exe

bootstat.dat

DtcInstall.log

explorer.exe

HelpPane.exe

hh.exe

lsasetup.log