Swift Kickstart with Rclone (demo)

Swift is in preview mode and should not be used for anything important. The current cluster <u>will</u> be destroyed and data may be removed without notice [1] . Additionally, you will need to have a conversation with Techstaff to setup a project scope before you can follow these instructions.

Obtain Application Credentials

1 Login to Web Application

First, accept the certificate and login to The Dashboard with your CNetID and password.
important: Write `csldap` in the `domain` field of the login page.

2 Create Application Credentials

Using the menu on the left, select "Identity → Application Credentials" to access the Application Credentials Interface interface. Click the "+ Create Application Credential" button and fill out the form.
Be sure to download the application credentials after submitting the form

Credentials Advice:

- Make the expiration date memorable such as your birthdate.
- Leave `Secret` blank
- Give your application `admin` Role (*not* unrestricted).
- Read the guide text on the form page

For example

3 Install and Configure rclone

RClone is a swift client used as an example in this guide. Download and install rclone using the Install Guide . For this example, rclone binary was unpacked to a unprivileged user directory on the path.

Configuration of rclone should be simplified as below

```
$ cat ~/.config/rclone/rclone.conf
[techstaff]
type = swift
env_auth = true
auth_version = 3
```

Save your Application Credentials that you downloaded in the previous step, and include them in your shell's environment before running rclone:

```
source ~/app-cred-swift-backup-test-openrc.sh
./rclone sync /home/chudler/backup_data techstaff:backup_current --backup-
dir techstaff:backup_$(date -I)
```

Troubleshooting

- Rcode returns 404 after/during authentication. Change the application environment file OS_AUTH_URL variable, as below.

```
export OS_AUTH_URL=https://overcloud.cs.uchicago.edu:13000/v3
```

[1)](#)
[status](#)

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