

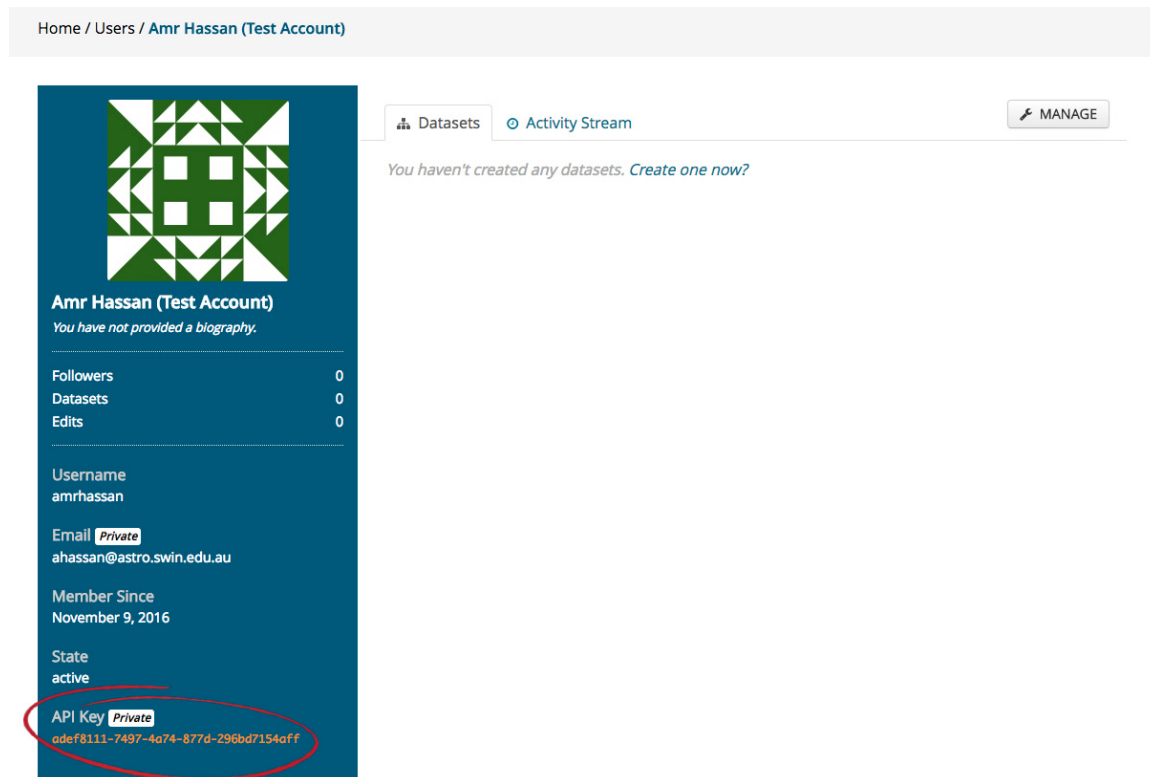
API Access

Getting your API Key

Your API authentication key is available from your account's setting. It is a private key and **should not be shared**. You can access your account settings from the top menu by clicking on your username.



The link will open your account's settings page. **Your API key is the last element in the side bar.**



Accessing gDMCP using Python

gDMCP API - Add new dataset from g2

```
#!/usr/bin/env python
import json
import requests
import sys
import os
from shutil import copyfile
import pprint

# This sample gets the file name and path (from g2) then copy the file to the gDMCP project
# Then upload it to the system
filename, file_extension=os.path.splitext(os.path.basename(sys.argv[1]))
copyfile(sys.argv[1], '/projects/p094_swin/public_data/data_share/'+filename+file_extension)
# Put the details of the dataset we're going to create into a dict.
#/projects/p094_swin/public_data/data_share
dataset_dict = {
    'package_id': sys.argv[2],
    'gstar_path': sys.argv[1],
    'url': '',
    'name': filename,
    'notes': filename,
}

## You need your User API Authorization Key
headers = {
    'Authorization': 'xxxxxxxx-xxxx-xxxx-xxxx-xxxxxxxxxxxxx'
}

# Use the json module to dump the dictionary to a string for posting.
# We'll use the package_create function to create a new dataset.
url = 'https://data-portal.hpc.swin.edu.au/api/action/resource_create'
response = requests.post(url, json=dataset_dict, headers=headers)

# Use the json module to load CKAN's response into a dictionary.
response_dict = response.json()
assert response_dict['success'] is True

# package_create returns the created package as its result.
created_package = response_dict['result']
print created_package['url']
```

More details about the API access to gDMCP can be found on <http://docs.ckan.org/en/ckan-1.7.4/api-tutorial.html>