iPoorly Deployment Manual

This manual contains instruction for deploying the docker images on a docker environment, running a local instance of the website and how to change the website address for the Google analytics Tracker ID the website uses.

Deploying a Docker Environment

1. Install docker in the virtual machine server.
2. Copy the docker-compose.yml file into the virtual machine server. The docker-compose.yml can be found inside the docker project folder)
3. Open terminal on the virtual machine server.
4. “cd” into the directory where you saved the docker-compose file
5. Run the “command docker-compose up -d”
6. Wait for the virtual machine to install all the files required (if running the first time). Once everything is downloaded and started the website will available on port 80 of the virtual machines public ip address.
7. To stop the website run the command “docker-compose down”

Running Django Locally

NB: Before you can run the website locally ensure you have Postgres installed. If not install from https://www.postgresql.org/download/ . Also ensure you have a username and password with root privileges for the database. Also ensure you have created a database created called “asksniff”. For more information read the following guides

https://www.codementor.io/engineerapart/getting-started-with-postgresql-on-mac-osx-are8jcopb (Mac) or http://www.postgresqltutorial.com/install-postgresql/ (Windows) on how to make a username, password and database.

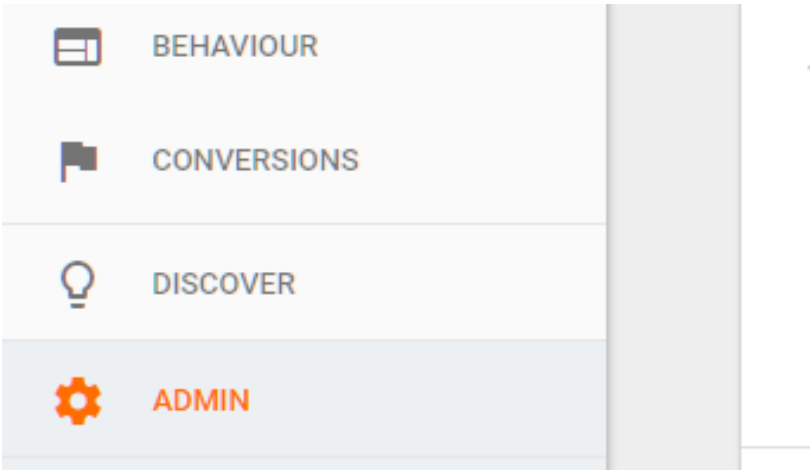
1. Open the “asknsiff” folder in your local machine
2. Edit the “.env” file in the asksniff folder to as follows
    a. CACHES_BACKEND : django.core.cache.backends.db.DatabaseCache
    b. CACHES_LOCATION : cache_table
    c. DATABASES_USER : the username you created
    d. DATABASES_PASSWORD : the password you created
3. Open terminal or command prompt. “cd” to the asksniff folder
4. Run the command “pip install -r requirements.txt”
5. Run the command “python manage.py migrate”
6. Run the command “python manage.py loaddata initial-data.json”
7. Then run the command “python manage.py runserver”
8. To access the website got to “localhost:8000” on your browser

Change Google Analytics Website link

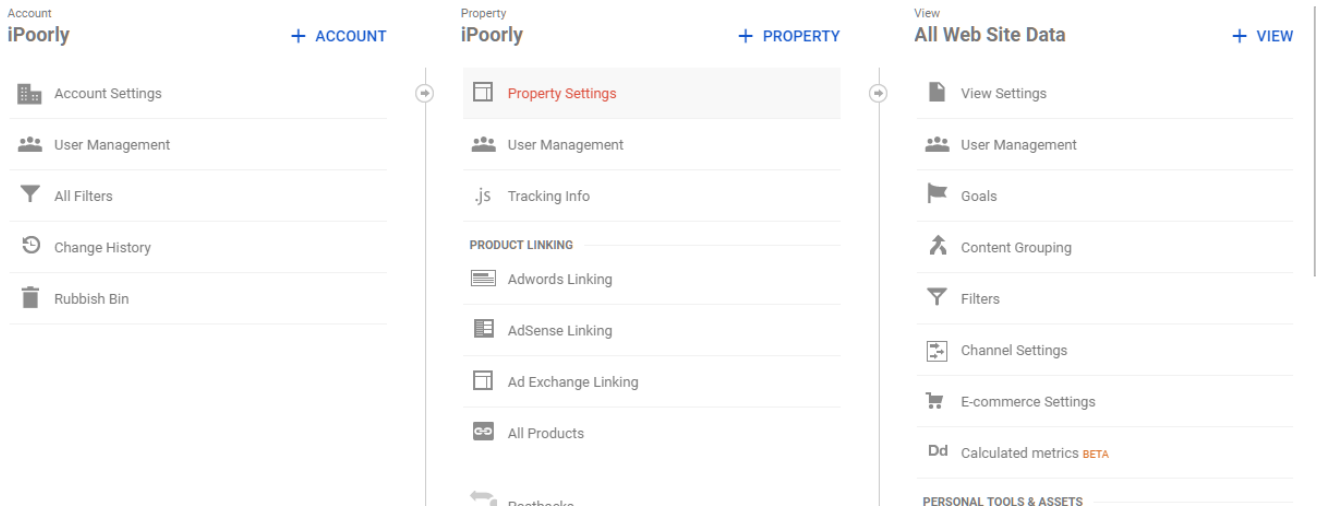
To get information about the google analytics go to https://analytics.google.com/analytics/web/ and use credentials in the “username and password.txt” file provided.

The current domain google analytics gets data for is Team 8’s Azure virtual machine. To change the domain, do the following:

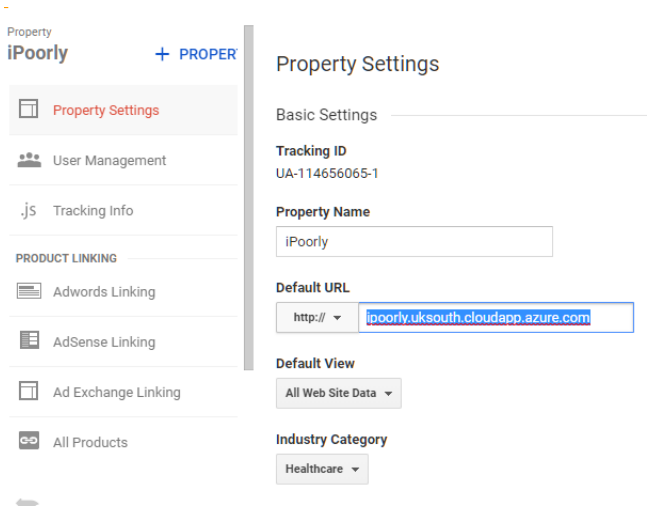
1. Go to https://analytics.google.com/analytics/web/
2. Login
3. Click on Admin (found in bottom of the left panel)



4. Click on Property Settings (middle panel)



5. Change the default URL to the new URL of the website

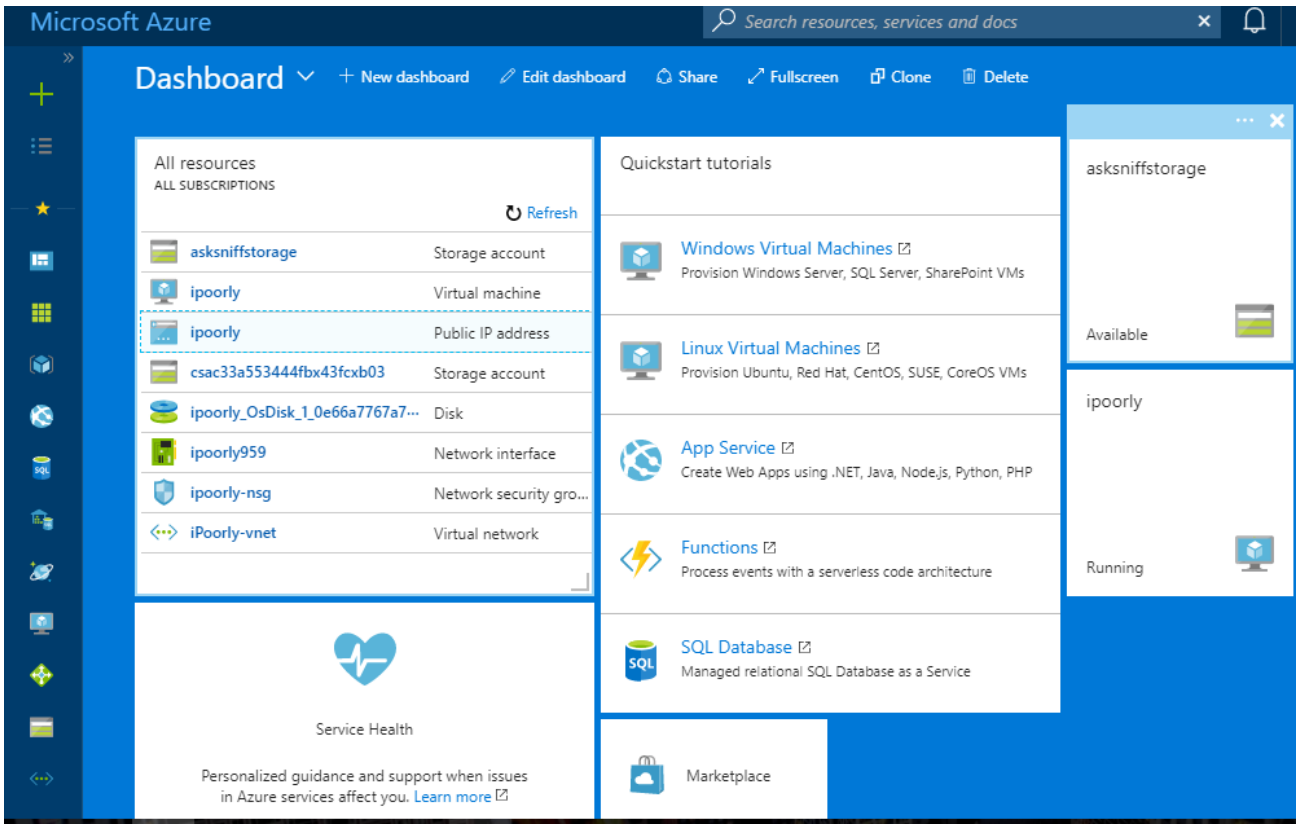


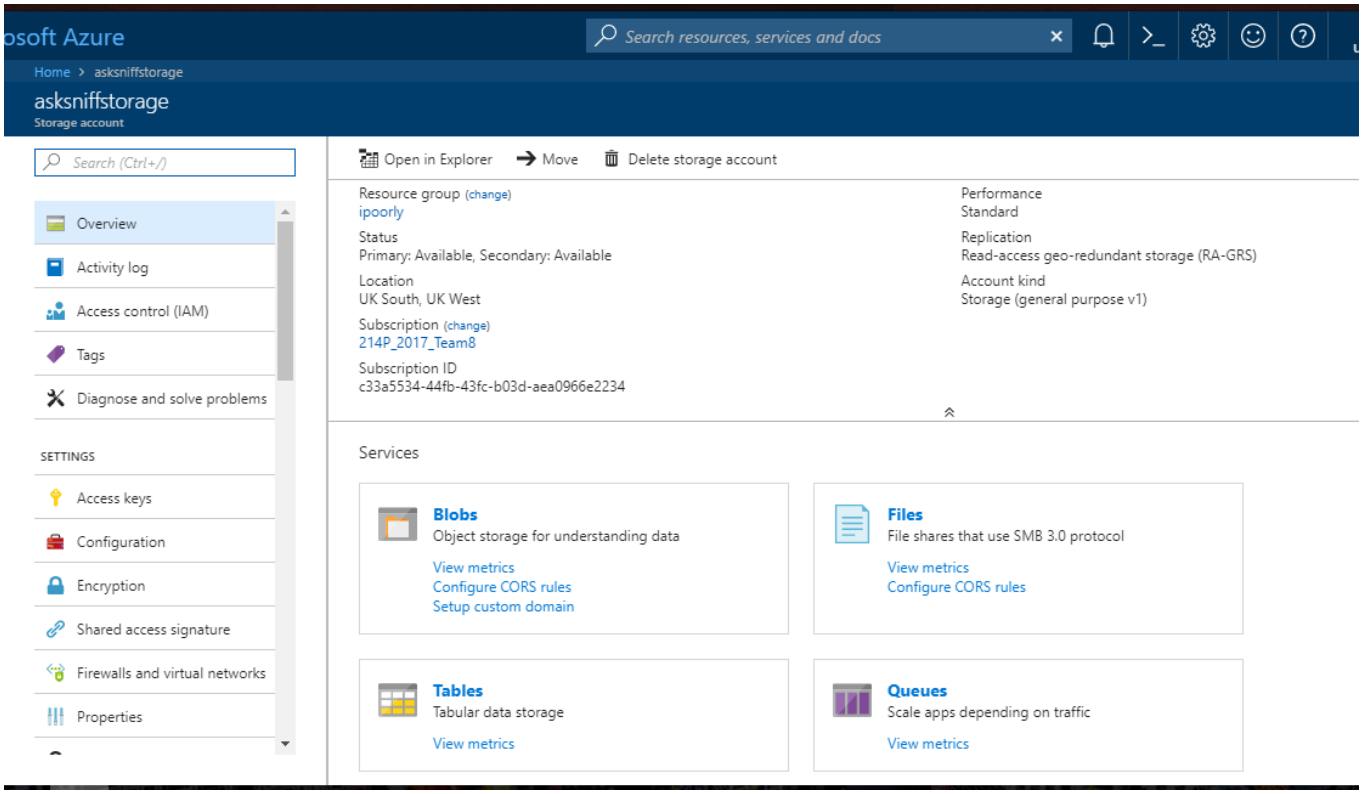
6. Click on Save to save changes

Change Azure Storage Account.

Currently the azure storage being used for storing media files is under the teams account. To change the storage location to another Azure storage, carry out the following steps

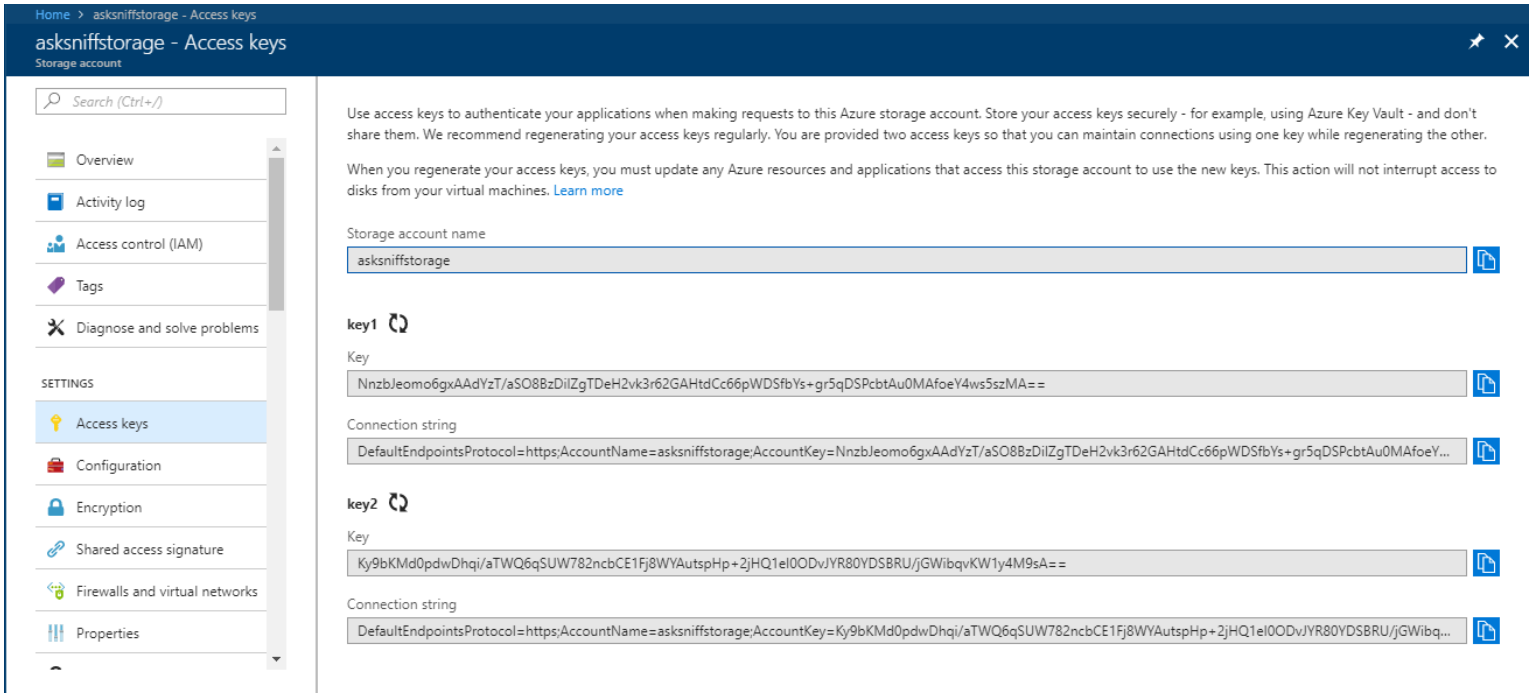
1. Create a new storage on Azure (Storage account – blob, file, table, queue). Use the following link to create a Azure Storage https://azure.microsoft.com/en-gb/services/storage/
2. The storage should have the following settings:
    a. Account Type: general purpose v1
    b. Performance: Standard
    c. Replication: Read-access geo-redundant storage (RA-GRS)
3. Once the Storage has been created go to the Azure Dashboard for the Storage





4. Click on “Blob”

5. Click on “+ Container” found on the top bar and add a container called “media” with Public Access Level as “Container”
6. Go to the access key section



7. Copy the **Storage Account Name** and one of the access key (either key 1 or 2)
8. Now, in your computer, go to the location of the code (“asksniff” folder). Here you should see a .env file. Open the file in notepad.
9. Replace the text after AZURE_STORAGE_KEY with one of your keys and AZURE_STORAGE_NAME with the storage name you copied from step 7 and save the file.

The website should now be linked with your storage.