Friday Lightening Talks

JING GE

Auto-Build in Dockerhub

Configure automated builds

You can build your images automatically from a build context stored in a repository. A *build context* is a Dockerfile and any files at a specific location. For an automated build, the build context is a repository containing a Dockerfile.

Automated Builds have several advantages:

◦ Images built in this way are built exactly as specified.

◦ The Dockerfile is available to anyone with access to your Docker Hub repository.

◦ Your repository is kept up-to-date with code changes automatically.

◦ Automated Builds are supported for both public and private repositories on both GitHub and Bitbucket. This document guides you through the process of working with automated builds.

Link to a hosted repository service

1. Log into Docker Hub.

2. Navigate to **Profile > Settings > Linked Accounts & Services**.

3. Click the service you want to link.

4. Press **Select** under Public and Private connection type.

Demo & Tips

1. Dockerfile and the source code needs to be placed at top most layer of your repository.

2. Trigger by master or tag.

3. Doesn't support regex tagging name.

getattr() in Python

Documentation and Examples

Official documentation link:

https://docs.python.org/3/library/functions.html#getattr

Examples

Old implementation:

https://github.com/KnowEnG/Data_Cleanup_Pipeline/blob/b0f9f71e52ddfd0cc319c70c12e4e69dbae9ea86/src/data_cleanup.py

New implementation using getattr():

https://github.com/KnowEnG/Data_Cleanup_Pipeline/blob/a94e02099fcbe6c02ee1eabcf374aa92639e1dc3/src/data_cleanup.py

Thank you for listening!