
d3ploy Documentation

Release 2.0.7

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Aug 11, 2018

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To install, run `pip install d3ploy`. To use, run `d3ploy`. Additional arguments may be specified. Run `d3ploy --help` for more information.

CHAPTER 1

Authentication

Your AWS credentials can be set in a number of ways:

1. In a “.boto” file in your home folder. See [Boto’s documentation](#) for how to create this file.
2. In a “.aws” file in the folder you’re running `d3ploy` in. Follows the same format as “.boto”.
3. In the environment variables “AWS_ACCESS_KEY_ID” and “AWS_SECRET_ACCESS_KEY”.
4. Passed in as arguments. `-a` or `--access-key` for the Access Key ID and `-s` or `--access-secret` for the Secret Access Key.
5. In the per-environment configuration outlined below.

Configuration options

When you run `d3ploy`, it will look in the current directory for a “`deploy.json`” file that defines the different deploy environments and their options. At a minimum, a “`default`” environment is required and is the environment used if you pass no arguments to `d3ploy`. Additionally, you may pass in a different path for your config file with the `-c` or `--config` options.

You can add as many environments as needed. Deploy to an environment by passing in its key like `d3ploy staging`. Environments besides “`default`” will inherit any settings not explicitly set from the default configuration.

The only required option for any environment is “`bucket`” for the S3 bucket to upload to. Additionally, you may define:

- “`local_path`” to upload only the contents of a directory under the current one; defaults to “`.`” (current directory)
- “`bucket_path`” to upload to a subfolder in the bucket; defaults to “`/`” (root)
- “`aws_key`” to specify the AWS Access Key ID to use for uploading
- “`aws_secret`” to specify the AWS Secret Access Key to use for uploading
- “`exclude`” to specify patterns to not upload
- “`gzip`” to automatically gzip files before uploading to S3
- “`delete`” to remove files on S3 that are not present in the local directory
- “`charset`” to set the charset flag on ‘Content-Type’ headers of text files
- “`cache`” to set the Cache-Control header for various mimetypes. See below for more.
- “`gitignore`” to add all entries in a `.gitignore` file to the exclude patterns

Cache-Control Headers

If you want to set Cache-Control headers on various files, add a `cache` object to your config file like:

```
"cache": {  
  "text/css": 2592000,  
  "application/javascript": 2592000,  
  "image/png": 22896000,  
  "image/jpeg": 22896000,  
  "image/webp": 22896000,  
  "image/gif": 22896000  
}
```

Each key is the mimetype of the kind of file you want to have cached, with a value that is the seconds the `max-age` flag set to. In the above example, CSS and JavaScript files will be cached for 30 days while images will be cached for 1 year. For more about Cache-Control, read [Leverage Browser Caching](#).

CHAPTER 4

OS X Notification Center

d3ploy will attempt to alert you via Notification Center when it is completed. To enable this feature, you need pyobjc; run `pip install pyobjc` to install.

Caution About Using the gzip Option

Almost all modern browsers will support files that are served with gzip compression. The notable exception is non-smartphone mobile browsers. If you have significant traffic over those browsers, it is advisable to avoid the gzip option.