# Contribution Guide

You shouldn't edit the node class files (all files under `diagrams/` directory) by

yourself.

## Resources

### Update nodes

All node classes was auto-generated from image resource files. For example, the

`diagram.aws.compute.EC2` class was auto-generated based on

`resources/aws/compute/ec2.png` image resource file.

So, if you want to add new node resources or update existing node resources, you

can just add or update the image files in `resources/<provider>/<type>/<image>`.

Images should be resized to fit a maximum of 256 pixels wide or high.

```shell

# You can do that easily with ImageMagick

convert -resize 256 my\_big\_image.jpg my\_image.jpg

# Or FFmpeg

ffmpeg -i my\_big\_image.jpg -vf scale=w=256:h=256:force\_original\_aspect\_ratio=decrease my\_image.png

```

Then just run the `./autogen.sh` to generate the added or updated node classes.

> IMPORTANT NOTE: To run `autogen.sh`, you need [round][round] and

> [inkscape][inkscape] command lines that are used for cleaning the image

> resource filenames.

>

> macOS users can download the inkscape via Homebrew.

[round]: https://github.com/mingrammer/round

[inkscape]: https://inkscape.org/ko/release

### Update Aliases

Some node classes have alias. For example, `aws.compute.ECS` class is an alias

of `aws.compute.ElasticContainerService` class. Aliases also were auto-generated

from `ALIASES` map in [config.py](config.py).

So, if you want to add new aliases or update existing aliases, you can just add

or update the `ALIASES` map in [config.py](config.py).

Then just run the `./autogen.sh` to generate the added or updated aliases.

> IMPORTANT NOTE: To run `autogen.sh`, you need [round][round] and

> [inkscape][inkscape] command lines that are used for clearning the image

> resource filenames.

## Run Tests

```shell

python -m unittest tests/\*.py -v

```

## Testing changes to the website

The [Docusaurus](https://docusaurus.io/)-based documentation website can be run by installing dependencies, then simply running `npm run start`.

```bash

cd website/

npm i

npm run start

```

The website will be available on [http://localhost:3000](http://localhost:3000).

Edit files in `website/` and `docs/` respectively to edit documentation.