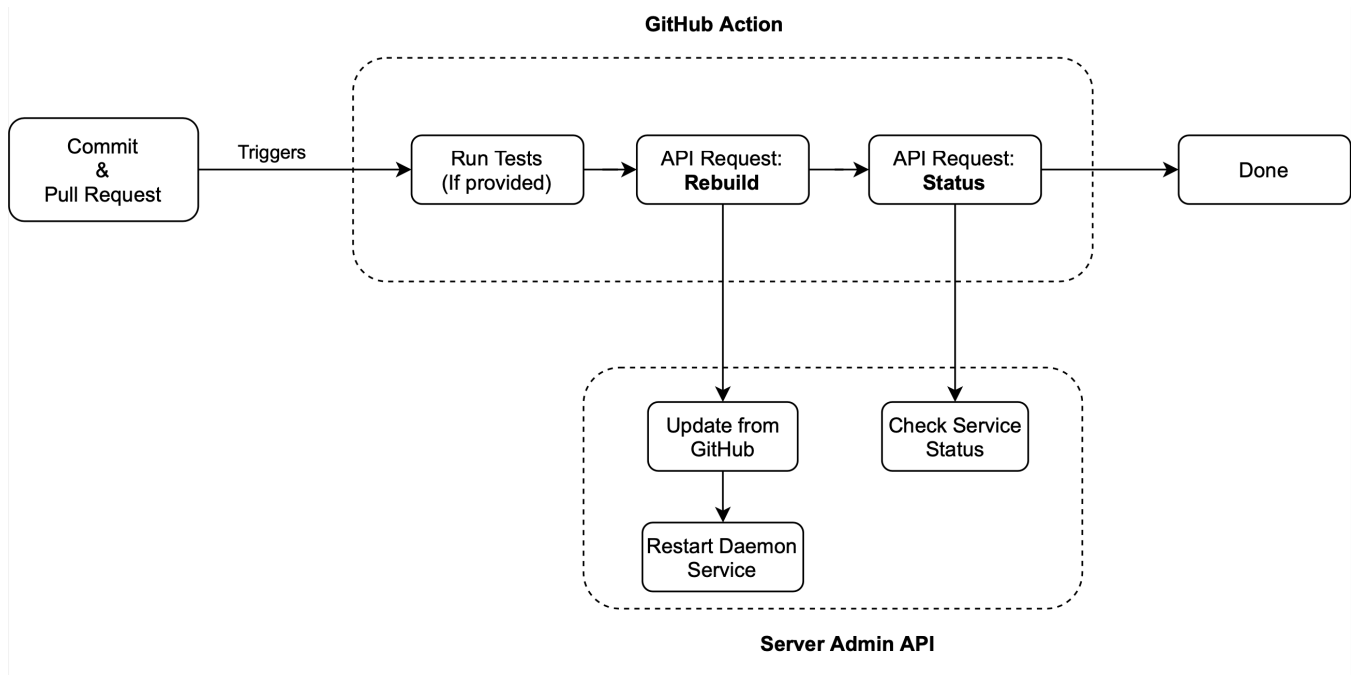


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Deployment

CI/CD Overview

CI/CD Pipeline Workflow



GitHub Actions

GitHub Actions makes it easy to automate all your software workflows, now with world-class CI/CD. Build, test, and deploy your code right from GitHub.



Currently **the testing step is disabled** due to lack of test cases/procedures, and will be re-enabled if the Backend Team and Frontend Team provides us viable test cases/procedures.

- Documentations: <https://docs.github.com/en/actions>
- Actions Script: [node.js.yml](#)

Server CI/CD Admin API

Standalone Restful Style API written in Python & Django. Deployed in [Development Instances](#).

Source code: <https://github.com/ccarner/COMP90082-RS-2021/tree/backend/develop/ServerAdminAPI>

If you have any question regarding this sub-project, please contact [Runfeng Du](#)



This API is optional and designed solely for deployment and maintenance purposes, and is not part of the main application.

- Backend Status: <http://api.cervidae.com.au:8000/rest/info>
- Backend Rebuild: <http://api.cervidae.com.au:8000/rest/rebuild>
- Backend Restart: <http://api.cervidae.com.au:8000/rest/restart>
- Quick-Check: <http://api.cervidae.com.au:8000/rest/check> (0:inactive, 1:active)

Deployment Instructions



Make sure you have proper access to the [Project GitHub Repo](#).

Automated Deployment:

[one-click-setup.sh](#)

This script will automatically deploy backend server and CI/CD admin API. Frontend deployment is temporary disabled until we finalise the deployment plan.

Supports Debian/Ubuntu, requires sudoer privilege.

Does not support Windows.

```
wget https://raw.githubusercontent.com/ccarner/COMP90082-RS-2021/backend/develop/one-click-setup.sh && sudo
chmod +x one-click-setup.sh && sudo sh one-click-setup.sh
```

Frontend server (Manual):

1. Clone Repo ([frontend/develop](#)):

```
git clone git@github.com:ccarner/COMP90082-RS-2021.git && git checkout frontend/develop && cd Front_end
```

2. Update dependencies:

```
npm install
```

3. Start Dev server:

```
npm start
```

Backend server (Manual):



If you are from the **Frontend or Database team**, then **DO NOT** set up your own local backend server, instead use our dev server: <http://api.cervidae.com.au:4000>

1. Clone Repo ([backend/develop](#)):

```
git clone git@github.com:ccarner/COMP90082-RS-2021.git && git checkout backend/develop && cd backend
```

2. Update dependencies:

```
npm install
```

3. Start server with log (**Does not support Windows**):

```
./start.sh
```

Or if you are using **Windows**:

```
npm start
```


Development Instances



Following instances are for dev purposes only, and not suitable for production.

| Backend | |
|-----------------------|---|
| Address | http://api.cervidae.com.au:4000 |
| Status | ACTIVE |
| Created | 31 Mar 2021 |
| Scheduled Maintenance | <input checked="" type="checkbox"/> None |
| Git Branch | Backend/Develop |
| Host provider | Oracle Cloud (Tokyo-1) |
| Host OS | Ubuntu 20.04.2 LTS |
| Host Specs | 2 CPUs + 1GB RAM (2GB swap) |
| Node.js Version | v10.19.0 |
| OneClick APIs | STATUS RESTART DAEMON REBUILD |
| Contact | Runfeng Du |

Crash Logs:

| | |
|----------|---|
| f663896 | SOLVED |
| Log File | 2021-04-17_15:42:35.backend.log |

[illegible]

NOT RESOLVED

2021-04-24_05:30:15.backend.log

[illegible]