

EALT-EDGE Source code Analysis.

<https://gerrit.akraino.org/r/admin/repos/ealt-edge>

Tree structure of ealt-edge

```
ci
  daily build
example-apps
  ROBO
ocd
  cli
    ealt
  infra
    playbooks
    readme.md
    roles
      | cadvisor
      | certmanager
      | docker
      | eg_appstore
      | eg_certs
      | eg_developer
      | eg_helm-repo
      | eg_mecm-fe
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      | eg_mecm-mepm
      | eg_mep
      | eg_prerequisite
      | eg_registry
      | eg_secret
      | eg_set-helm-repo
      | eg_trans-certs
      | eg_user-mgmt
      | grafana
      | helm
      | influxdb
      | k3s
      | k8s
      | kubeconfig
      | mepkubeconfig
      | openebsrole
      | prometheus
      | rabbitmq
      | service_center
      | vault
      | velero
    config.yml
    ealt-all.yml
    ealt-all-uninstall.yml
    ealt-inventory.ini
requirements
LICENSE
INFO.yml
verify.sh
```

EALTEdge Repo Code structure Description

/ci

This folder contains the EALTEdge verify job CI/CD related files. It is used to perform static code style checks which help developer to perform static code checks during code commit.

/example-apps

This folder contains example applications for application developers to refer while carrying out their development.

/example-apps/ROBO

This folder contains sample ROBO application. This application is an entry level application to demonstrate Remote Office Branch Office usecase (ROBO) for Retail Enterprise for scenario wherein there is a retail chain comprising of multiple retail stores and a retail headquarter. The application provides Smart Shelf solution to monitor shelf's for a retail chain.

`/ocd`

One click deployment related files. It contains CLI as well as Ansible code

`/ocd/cli`

It contains CLI code used for easy & flexible deployment of all EALTEdge stack including components in center as well as multiple edge nodes.

`/ocd/infra`

It contains ansible scripts for EALTEdge stack deployment

`/ocd/infra/playbooks`

This contains the config.yml which helps to configure the edge gallery deployment.

It also contains ealt-all.yml and ealt-all-uninstall.yml which helps to install and uninstall the platform respectively. In general , the above path contains config files to deploy the platform.

config.yml which contains variable for which user needs to provide values for deployment of EALTEdge stack.

ealt-inventory.ini for user to specify node informations

`/ocd/infra/playbooks/roles`

This folder contains the ansible playbook roles which internally provides the functionalities of EALTEdge Blueprint. Each role corresponds to specific functionalities of EALTEdge