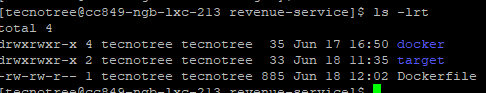
**DCBS dockerization**

**Step:-1**

1. Create directory structure like below:



1. Create the “config.toml” under the below path-

/home/tecnotree/sandeep/docker-collections/revenue-service/docker/config/confd/conf.d

1. Add the below line in “config.toml”

*[template]*

*src = "config.tmpl"*

*dest = "/tmp/env.list*"

**Step:-2**

1. Create the “config.tmpl” under the below path-

/home/tecnotree/sandeep/docker-collections/revenue-service/docker/config/confd/templates

1. Add below lines in the “config.tmpl” which will be changed as per the environment variable details which you want to configurable.

*## sso configurations*

*SSO\_OAUTH\_URI="s|%SSO\_OAUTH\_URI%|{{ getenv "SSO\_OAUTH\_URI" }}|g"*

*SSO\_OAUTH\_URI\_PATH="s|%SSO\_OAUTH\_URI\_PATH%|{{ getenv "SSO\_OAUTH\_URI\_PATH" }}|g"*

*SSO\_OAUTH\_CLIENT\_ID="s|%SSO\_OAUTH\_CLIENT\_ID%|{{ getenv "SSO\_OAUTH\_CLIENT\_ID" }}|g"*

*SSO\_OAUTH\_CLIENT\_SECRET="s|%SSO\_OAUTH\_CLIENT\_SECRET%|{{ getenv "SSO\_OAUTH\_CLIENT\_SECRET" }}|g"*

*SSO\_OAUTH\_REDIRECT\_URI="s|%SSO\_OAUTH\_REDIRECT\_URI%|{{ getenv "SSO\_OAUTH\_REDIRECT\_URI" }}|g"*

*UPLOAD\_GET\_TOKEN\_URI="s|%UPLOAD\_GET\_TOKEN\_URI%|{{ getenv "UPLOAD\_GET\_TOKEN\_URI" }}|g"*

*UPLOAD\_USERNAME="s|%UPLOAD\_USERNAME%|{{ getenv "UPLOAD\_USERNAME" }}|g"*

*UPLOAD\_USER\_PWD="s|%UPLOAD\_USER\_PWD%|{{ getenv "UPLOAD\_USER\_PWD" }}|g"*

*MANAPORT\_ROLE="s|%MANAPORT\_ROLE%|{{ getenv "MANAPORT\_ROLE" }}|g"*

*AUTHORIZATION="s|%AUTHORIZATION%|{{ getenv "AUTHORIZATION" }}|g"*

*SSO\_GET\_TOKEN\_URI="s|%SSO\_GET\_TOKEN\_URI%|{{ getenv "SSO\_GET\_TOKEN\_URI" }}|g"*

*SSO\_REVOKE\_TOKEN\_URI="s|%SSO\_REVOKE\_TOKEN\_URI%|{{ getenv "SSO\_REVOKE\_TOKEN\_URI" }}|g"*

*SSO\_REFRESH\_TOKEN\_URI="s|%SSO\_REFRESH\_TOKEN\_URI%|{{ getenv "SSO\_REFRESH\_TOKEN\_URI" }}|g"*

*USER\_SERVICE\_API\_URL="s|%USER\_SERVICE\_API\_URL%|{{ getenv "USER\_SERVICE\_API\_URL" }}|g"*

*API\_URL="s|%API\_URL%|{{ getenv "API\_URL" }}|g"*

*envconfig="$SSO\_OAUTH\_URI;$SSO\_OAUTH\_URI\_PATH;$SSO\_OAUTH\_CLIENT\_ID;$SSO\_OAUTH\_CLIENT\_SECRET;$SSO\_OAUTH\_REDIRECT\_URI;$UPLOAD\_GET\_TOKEN\_URI;$UPLOAD\_USERNAME;$UPLOAD\_USER\_PWD;$MANAPORT\_ROLE;$AUTHORIZATION;$SSO\_GET\_TOKEN\_URI;$SSO\_REVOKE\_TOKEN\_URI;$SSO\_REFRESH\_TOKEN\_URI;$USER\_SERVICE\_API\_URL;$API\_URL"*

**Step:-3**

1. Create the “docker-entrypoint.sh” in below path (docker-entrypoint.sh is required to replace your user defined value and create the config.js file )

/home/tecnotree/sandeep/docker-collections/revenue-service/docker/scripts

1. Add below lines in “docker-entrypoint.sh”

*#!/usr/bin/env bash*

*set -e*

*chmod +x /application/confd/bin/confd*

*/application/confd/bin/confd -confdir="/etc/confd" -onetime -backend env*

*sed -i 's/\r$//' /tmp/env.list*

*source /tmp/env.list*

*sed -i "$envconfig" $CATALINA\_HOME/config.js*

*exec "$@"*

**Step:-4**

1. Create the Docker file in below path and add the lines as per the requirement.

/home/tecnotree/sandeep/docker-collections/revenue-service

*FROM tomcat:8.5.42-jdk8-openjdk-slim*

*MAINTAINER DL-CP-DEVOPS <DL-CP-DEVOPS@tecnotree.com>*

*ARG CONFD\_VERSION=0.16.0*

*ENV CONFIG\_FILE\_PATH=$CATALINA\_HOME/*

*# Install tools*

*RUN apt-get update \*

*&& apt-get install -y curl net-tools procps*

*# Download and sets up confd for populating app-config file*

*RUN mkdir -p /application/confd/bin && \*

*curl -SL https://github.com/kelseyhightower/confd/releases/download/v${CONFD\_VERSION}/confd-${CONFD\_VERSION}-linux-amd64 -o /application/confd/bin/confd && \*

*chmod a+x /application/confd/bin/confd*

*# confd configuration*

*COPY docker/config/confd /etc/confd*

*COPY target/revenue-service.war $CATALINA\_HOME/webapps/*

*COPY docker/config/config.js $CATALINA\_HOME/*

*# copy entrypoint script*

*COPY docker/scripts/docker-entrypoint.sh /*

*RUN chmod a+x /docker-entrypoint.sh*

*ENTRYPOINT ["/docker-entrypoint.sh"]*

*CMD ["catalina.sh", "run"]*

1. Under the same path (where Docker file is exists) execute the below commands to build the docker image and push it to harbor registry.

*$ docker build -t dev-docker-registry.tecnotree.com/digital-cbs/revenue- service:v1.0.0 .*

*$ docker push dev-docker-registry.tecnotree.com/digital-cbs/revenue-service:v1.0.0*