circleci部署go项目总结

与样例项目不同之处：

1. go的版本不同，样例使用go-1.11，而我改为go-1.15,
2. 版本不同，所以样例需要配置gopath，配置依赖，而我才用go.mod管理依赖；

Config.yml文件做出修改

version: 2  
jobs:  
 build:  
 docker:  
 - image: circleci/golang:1.15  
 environment:  
 GOPATH: /go  
 GO111MODULE: "on"  
  
 - image: circleci/postgres:9.6-alpine  
 environment: *# environment variables for primary container* POSTGRES\_USER: postgres  
 working\_directory: /go/src/delinkcious-0.2  
 steps:  
 - checkout  
 - run:  
 name: Get all dependencies  
 command: |  
 go get -v ./...  
 go get -u github.com/onsi/ginkgo/ginkgo  
 go get -u github.com/onsi/gomega/...  
 - run:  
 name: Test everything  
 command: ginkgo -r -race -failFast -progress  
 - setup\_remote\_docker:  
 version: 19.03.13  
 - run:  
 name: build and push Docker images  
 shell: /bin/bash  
 command: |  
 chmod +x ./build.sh  
 ./build.sh

#!/bin/bash  
  
set -eo pipefail  
  
IMAGE\_PREFIX='itinfomation' #推送dockerhub使用  
STABLE\_TAG='0.2'  
  
TAG="${STABLE\_TAG}.${CIRCLE\_BUILD\_NUM}"  
ROOT\_DIR="$(pwd)"  
echo "pwd:$(pwd)"  
SVC\_DIR="${ROOT\_DIR}/svc"  
cd $SVC\_DIR  
docker login -u itinfomation -p Zmh920226docker!  
go env  
for svc in \*; do  
 cd "${SVC\_DIR}/$svc"  
 if [[ ! -f Dockerfile ]]; then  
 continue  
 fi  
 UNTAGGED\_IMAGE=$(echo "${IMAGE\_PREFIX}/delinkcious-${svc}" | sed -e 's/\_/-/g' -e 's/-service//g')  
 STABLE\_IMAGE="${UNTAGGED\_IMAGE}:${STABLE\_TAG}"  
 IMAGE="${UNTAGGED\_IMAGE}:${TAG}"  
 echo "svc:$svc"  
 echo "image: $IMAGE"  
 echo "stable image: ${STABLE\_IMAGE}"  
 docker build -t "$IMAGE" .  
 docker tag "${IMAGE}" "${STABLE\_IMAGE}"  
 docker push "${IMAGE}"  
 docker push "${STABLE\_IMAGE}"  
done  
cd $ROOT\_DIR

module github.com/zhangminghui6106/delinkcious-0.2  
  
go 1.15  
  
require (  
 github.com/Masterminds/squirrel v0.0.0-20181030160206-3ba160b0147f  
 github.com/davecgh/go-spew v1.1.1 // indirect  
 github.com/go-kit/kit v0.8.0  
 github.com/go-logfmt/logfmt v0.4.0 // indirect  
 github.com/go-sql-driver/mysql v1.4.1 // indirect  
 github.com/go-stack/stack v1.8.0 // indirect  
 github.com/gorilla/context v1.1.1 // indirect  
 github.com/gorilla/mux v1.6.2  
 github.com/lann/builder v0.0.0-20180802200727-47ae307949d0 // indirect  
 github.com/lann/ps v0.0.0-20150810152359-62de8c46ede0 // indirect  
 github.com/lib/pq v1.0.0  
 github.com/mattn/go-sqlite3 v1.10.0 // indirect  
 github.com/onsi/ginkgo v1.6.0  
 github.com/onsi/gomega v1.4.2  
 github.com/pmezard/go-difflib v1.0.0 // indirect  
 github.com/stretchr/testify v1.2.2 // indirect  
 golang.org/x/sys v0.0.0-20181116161606-93218def8b18 // indirect  
 google.golang.org/appengine v1.3.0 // indirect  
)

Go.mod文件中，module采用github.com/\*\*的形式目的在于，dockerfile文件中，对项目源码go build之前需要使用 go get -u -d 密令 fetch 依赖。否则会报

main.go:3:8: cannot find package "delinkcious-0.2/svc/link\_service/service" in any of:

/usr/local/go/src/delinkcious-0.2/svc/link\_service/service (from $GOROOT)

/go/src/delinkcious-0.2/svc/link\_service/service (from $GOPATH)

The command '/bin/sh -c CGO\_ENABLED=0 GOOS=linux go build -o /link\_service -a -tags netgo -ldflags '-s -w' .' returned a non-zero code: 1