RAZOROPS CI SPEC

Build great products at high velocity

Overview

- Minimal approach configuration
- Configuration needs to present in code repo

Workflows

- Triggered when an event occurs within Git code
- Pull requests, branch/tag pushes
- Results in multiple jobs
- > Filters
- Types of tasks
- > Build, deploy, publish, run, docker

```
tasks:
 unittest:
         image: golang:1.10
             - go test
 build-web:
     build:
         dockerfile: src/Dockerfile
         environment:
             - DOCKER_ENGINE=1.18.0
 build-ui:
     build:
         image: demo/front-end
```

Build Docker images

- Image Name
- Context, Dockerfile path
- Build arguments
- > Artifacts

```
tasks:
build-web:
build:
   image: demo/web:${CI_COMMIT_SHA}
   dockerfile: src/Dockerfile
   environment:
   - DOCKER_ENGINE=1.18.0
   - NODE_ENV=production
```

Docker task

- Docker image
- Environment Variables
- > Commands

```
build-web:
     image: golang:1.10
         - go get -u github.com/golang/dep/cmd/dep
         - dep ensure
         - go test
     environment:
         - GIN_MODE=production
```

Deploy to kubernetes

- Cluster
- Deployment template
- Manifests path

```
tasks:
build-web:
     deploy:
     cluster: staging
     namespace: api
     template: kube/deployment.yaml
     manifest: kube/jobs/*.yaml
```

One-Off commands

- Cluster
- Commands
- Image
- > Environment Variables

```
build-image:
 build:
     image: web/demo:${CI_COMMIT_SHA}
 run:
     cluster: my-cluster
     image: {{ build-image }}
         - bundle exec rake db:migrate
     environment:
         - DATABASE_PASSWORD=${THE_SECRET_VARIABLE}
         - RAILS_ENV=production
```