

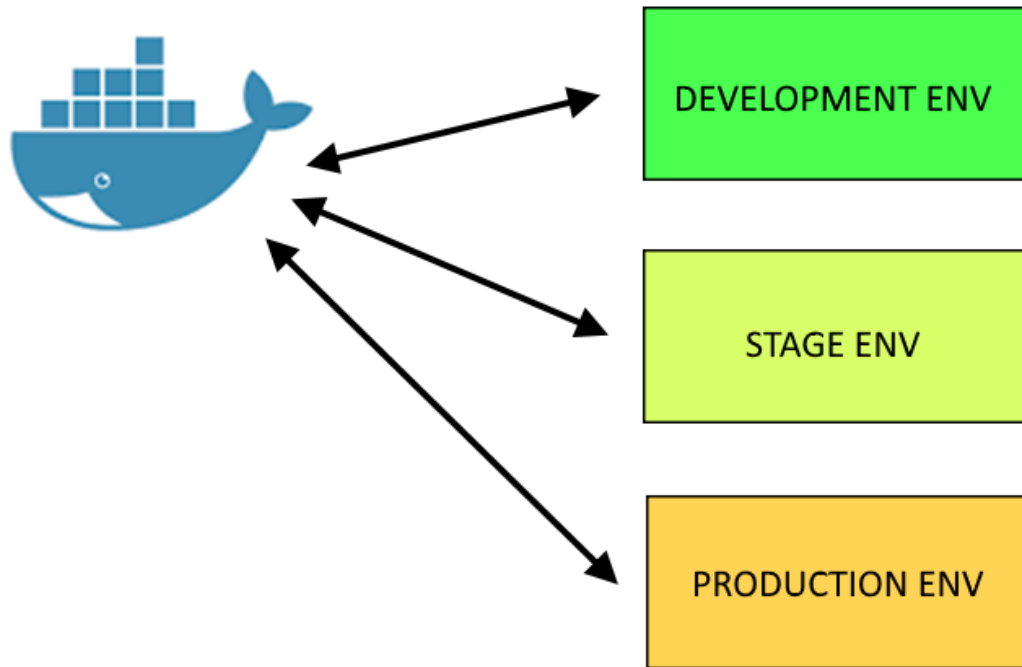
ZCMD



Open source orchestration tools and more

Frank Font and Chris Desautels August 2019
Meetup Silver Spring MD

Docker Everywhere



Purpose of ZCMD

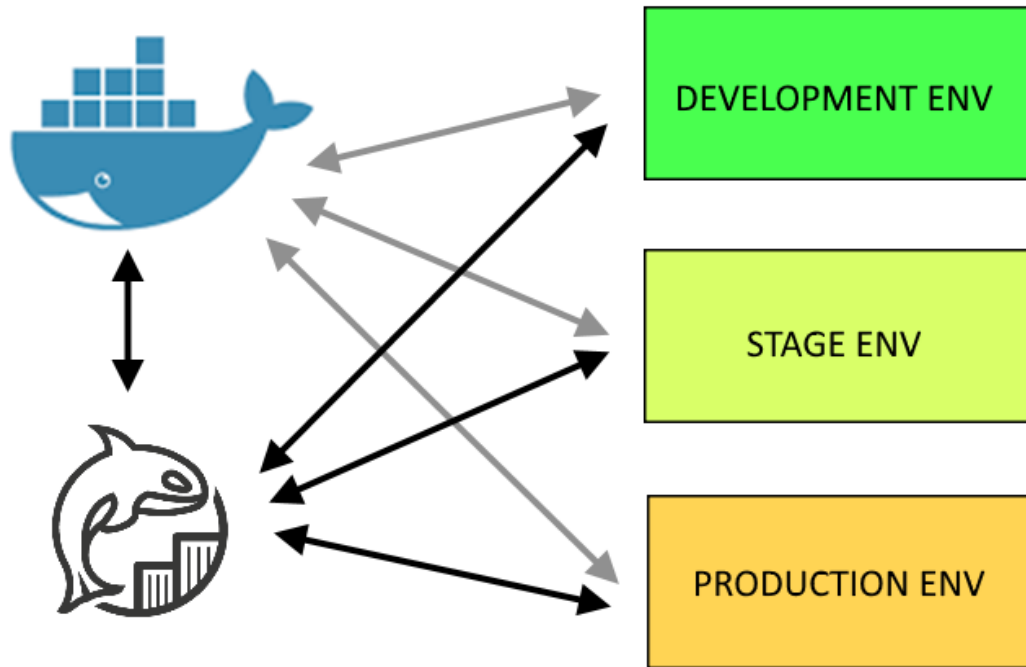


The ZCMD framework is a curated **Open Source** collection of bash and python utilities and configuration conventions that **facilitate** the **operation** and **management** of **docker** containers and collections of containers ("zcmd stacks").

The framework is intended to be appropriate for use in **DEV**, **STAGE**, and **PROD** environments.

<https://github.com/bah-insignia/zcmd>

ZCMD Helping with Reuse



Commands Based on Launch Folder



- **Machine Context**
 - Configuration and commands for building a container
- **Stack Context**
 - Configuration and commands for operating collection of containers
- **Global Context**
 - Configuration and commands that apply everywhere

Lots of Help



- `zcmd`
- `zcmd --help`
- `zcmd --help <command>`
 - E.g., `zcmd --help quickstart`

```
=====
PURPOSE
-----
Quickly install a starter project pulled from one of the available curated
git web repositories.

SYNTAX
-----
zcmd quickstart

NOTE
----
This quickstart process walks you through selection of a starter project.
The selected project will be installed into the following location...

$HOME/zcmd-quickstart
=====
```

Quickstart



- **zcmd quickstart**

```
=====
Welcome to the ZCMD Quickstart utility! Use this to quickly
install starter projects from curated web repositories.

Currently available curated repositories are the following...

    https://github.com/bah-insignia/zcmd-demo-rudimentary
    https://github.com/bah-insignia/zcmd-demo-stack

Visit the above URLs in your Web Browser for details about them.
=====

Continue? (y/n)
```

Other utilities



- **cdutil**
- **git-***
- **s3***

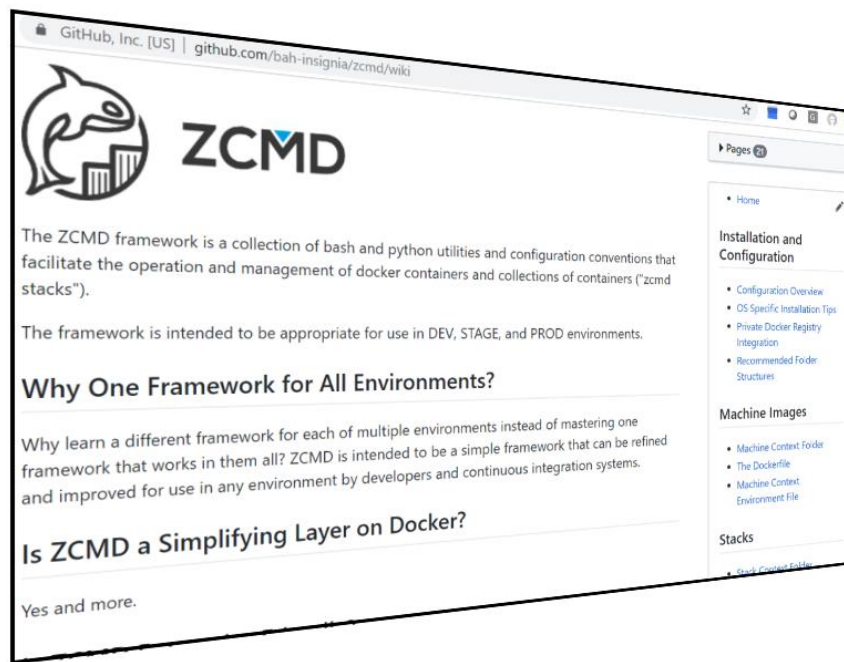
ZCMD Integration Today



Comprehensive Documentation



<https://github.com/bah-insignia/zcmd/wiki>



Docker Today Kubernetes Tomorrow?



- `zmcd up` ← fire up a stack of containers.
- `zcmd down` ← shut down stack of containers
- Containers are Docker
 - Future could be Kubernetes
 - `Zcmd` usage and commands do not change

<https://github.com/bah-insignia/zcmd>

Production Scaling Orchestration



- Integrate with ZCMD Someday?
 - Kubernetes
 - Rancher
 - AWS ECS

Free for Use -- Private, Educational, Commercial



Wrap-Up / Final Discussions



Try new things! Share your Container expertise by adding to ZCMD; contributors welcome and sought!

<https://github.com/bah-insignia/zcmd>

Contact for more info ...

Email -- frankfont@room4me.com

Linkedin -- www.linkedin.com/in/frankfont

