

Docker  
Project

# To install:

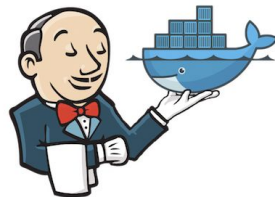
- Jira
- Jenkins
- TomCat
- Nexus
- Zabbix
- PostFix
- UrbanCode Deploy
- Puppet Enterprise

# Java



- Java is used as a base image as various of the tools required it as a prerequisite to function
- A separate container has been configured so that the tools can build upon the java container
- Fairly straightforward

# Jenkins



## Solutions:

- Adds key to container
- Add pkg and install jenkins

## Difficulties:

- Finding a way to download jenkins installation without using apt-get install

# Jira



## Solutions:

- Download bin file
- Run executable and give answers for installation wizard

## Difficulties:

- Jira worked individually, the next day it stopped working
- Port number issues caused it to stop working
- Timeout issues

# Nexus

## Solutions:

- Download tar ball
- Extract tarball
- Start nexus service

## Difficulties:

- Configuring automatically

# TomCat



## Solutions:

- Download tarball, extract it
- Setup a user for tomcat
- Run the script when container is built

## Difficulties:

- Configuring tomcat and running it

# PostFix



## Solutions:

- Automate answers for installation wizard for `apt-get install postfix`
- Configure mail server with computers IP

## Difficulties:

- Configuring mail server
- The tool itself to set up is difficult



# Zabbix



## Solutions:

- Download required configurations
- Setup mysql
- Configure apache2 and link zabbix to web server

## Difficulties:

- Zabbix container gets built then shuts down after a second or two
- Setting up mysql server is tedious to configure

# Summary

Successfully installed (Possible lack of functionality);

- Java, Jira, Jenkins, Nexus & TomCat.

Unsuccessfully installed;

- PostFix, Zabbix

Did not get to;

- UrbanCode Deploy & Puppet Enterprise

Need to learn more