

JENKINS X

灵雀云
赵晓杰

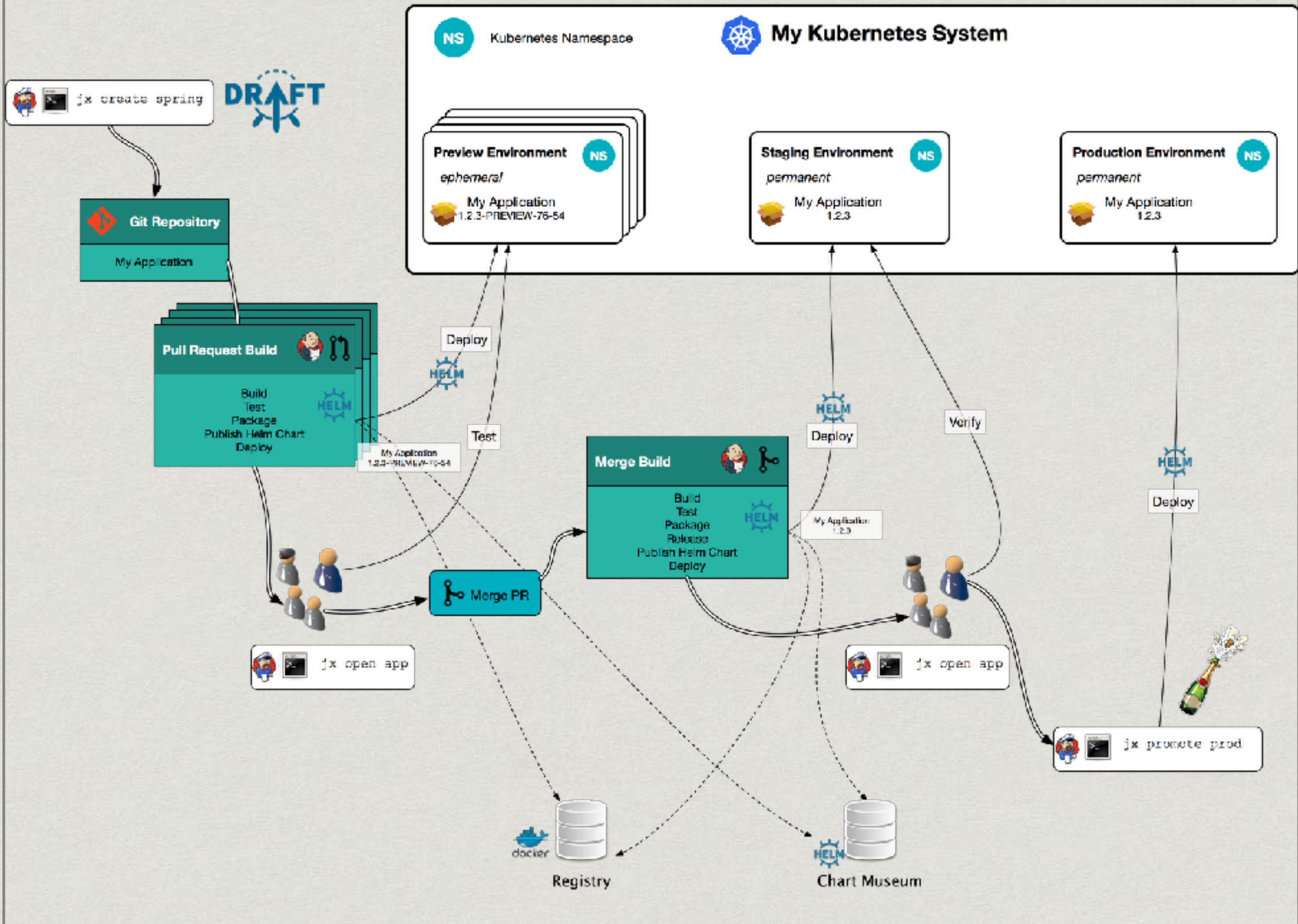
[HTTPS://GITHUB.COM/LINUXSUREN](https://github.com/linuxsuren)

- ✱ 特性
- ✱ 架构
- ✱ 概念
- ✱ 社区
- ✱ 环境搭建
- ✱ 实践

<https://github.com/jenkins-x>

特色

- * 命令行（可以完成所有功能）
- * 流水线（内置DevOps最佳实践的模板）
- * 环境（测试、Staging、Production）
- * 部署升级
- * 预览环境
- * 反馈
- * 应用（Nexus、Chart Museum）
- * 插件
- * IDE（Eclipse、Intellij IDEA、VS-code）



EXPLORER

OPEN EDITORS

index.html

MYNODE10

.stfolder

.vscode

charts

.dockerignore

.gitignore

.stignore

curlloop.sh

Dockerfile

index.html

Jenkinsfile

LICENSE

package.json

README.md

server.js

scaffold.yaml

watch.sh

JENKINS X

jstrachan

cbawesome

master

3

Checkout Source

CI Build and push snapshot

Build Release

Promote to Environments

Promote to Staging

Promote to Staging Pull Request #37

Promote to Staging Update

App promoted to Staging

Clean up

2

1

pull requests

PR-1

1

demo71

KUBERNETES

index.html

<!doctype html>

<html>

<body>

Hello Node: This is very awesome from Jenkins X</h2>

</div>

</body>

</html>

PROBLEMS

OUTPUT

TERMINAL

2: Jenkins Log: jstrachan/cb

jx get build log jstrachan/cbawesome/master --build 3

jstrachan (cheese):/workspace/jenkins-x-rocks/mynode10/\$ jx get build log jstrachan/cbawesome/master --buil

view the log at: http://jenkins.jx.104.155.72.204.nip.io/job/jstrachan/job/cbawesome/job/master/3/console

tailing the log of jstrachan/cbawesome/master #3

Started by user admin

Connecting to https://api.github.com using jstrachan/**** (API Token for accessing https://github.com gi

s)

Obtained Jenkinsfile from 2184f09c4af15e86370322e11eb5ec9545630374

Running in Durability level: MAX_SURVIVABILITY

[Pipeline] node

Still waiting to schedule task

maven-02012 is offline

Running on maven-02012 in /home/jenkins/workspace/jstrachan_cbawesome_master-JNMZTEM7CTPJIRVR3FBG7C7SJA7RN7

[Pipeline] {

[Pipeline] stage

[Pipeline] { (Declarative: Checkout SCM)

[Pipeline] checkout

Cloning the remote Git repository

Cloning with configured refspecs honoured and without tags

Cloning repository https://github.com/jstrachan/cbawesome.git

> git init /home/jenkins/workspace/jstrachan_cbawesome_master-JNMZTEM7CTPJIRVR3FBG7C7SJA7RN7YKJANMQZXIPJUI

Fetching upstream changes from https://github.com/jstrachan/cbawesome.git

> git --version # timeout=10

using GIT_ASKPASS to set credentials API Token for accessing https://github.com git service inside pipelin

> git fetch --no-tags --progress https://github.com/jstrachan/cbawesome.git +refs/heads/master:refs/remot

> git config remote.origin.url https://github.com/jstrachan/cbawesome.git # timeout=10

> git config --add remote.origin.fetch +refs/heads/master:refs/remotes/origin/master # timeout=10

> git config remote.origin.url https://github.com/jstrachan/cbawesome.git # timeout=10

Fetching without tags

Fetching upstream changes from https://github.com/jstrachan/cbawesome.git

using GIT_ASKPASS to set credentials API Token for accessing https://github.com git service inside pipelin

> git fetch --no-tags --progress https://github.com/jstrachan/cbawesome.git +refs/heads/master:refs/remot

Checking out Revision 2184f09c4af15e86370322e11eb5ec9545630374 (master)

> git config core.sparsecheckout # timeout=10

> git checkout -f 2184f09c4af15e86370322e11eb5ec9545630374

Commit message: "Merge pull request #1 from jstrachan/cheese"

> git rev-list --no-walk 2184f09c4af15e86370322e11eb5ec9545630374 # timeout=10

[Pipeline] }

[Pipeline] // stage

[Pipeline] withEnv

[Pipeline] {

[Pipeline] withCredentials

[Pipeline] {

[Pipeline] withEnv

[Pipeline] {

[Pipeline] stage

[Pipeline] { (CI Build and push snapshot)

Stage 'CI Build and push snapshot' skipped due to when conditional

[Pipeline] }

cheese*

0

Ln 3, Col 11

Tab Size: 4

UTF-8

LF

HTML

1

架构

- ✱ 自定义资源（环境、流水线活动）
- ✱ 组件（开发、永久、预览环境）
- ✱ 构建打包（Dockerfile、Jenkinsfile、chart）
- ✱ Pod模板

概念

Principles

- * Faster time to market
- * Improved deployment frequency
- * Shorter time between fixes
- * Lower failure rate of releases
- * Faster Mean Time To Recovery

Concepts

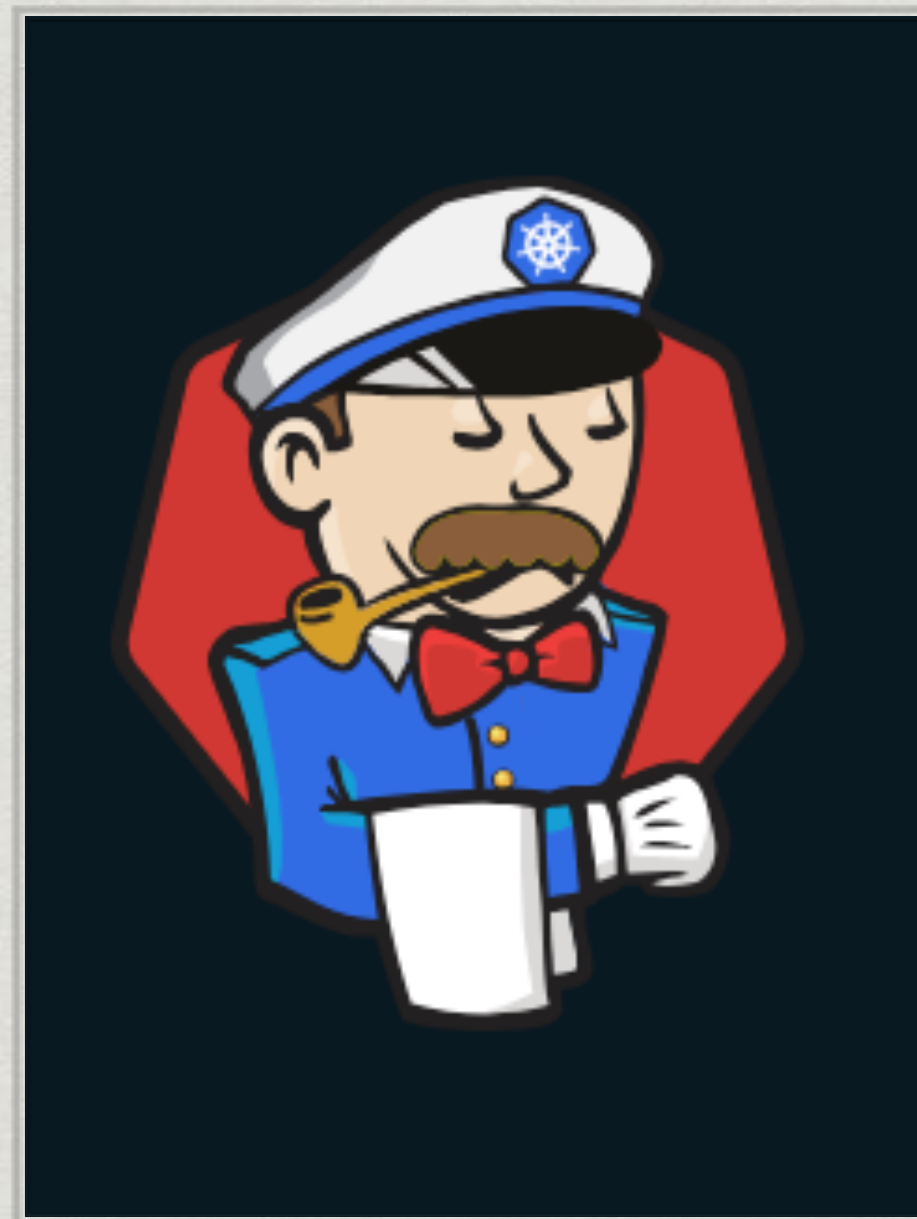
Practices

- * Loosely-coupled Architectures
- * Self-service Configuration
- * Automated Provisioning
- * Continuous Build / Integration and Delivery
- * Automated Release Management
- * Incremental Testing
- * Configuration as Code

社区

请加入我们的社区，我们希望听到您的反馈！

- * Slack
 - * 用户 #jenkins-x-user
 - * 开发者 #jenkins-x-dev
- * IRC
- * Issues
- * Email



环境搭建

- ✱ 安装 Jenkins X

- ✱ jx install

分组练习

10人一组

- * <http://jenkins.jx.k1.surenpi.com/>
- * <https://github.com/jx-practice-k1>
- * <http://jenkins.jx.k2.surenpi.com/>
- * <https://github.com/jx-practice-k2>
- * <http://jenkins.jx.k3.surenpi.com/>
- * <https://github.com/jx-practice-k3>

实践

- * 创建（导入）项目
- * 查看流水线信息
- * 创建分支，修改代码，创建 DevPod
- * 创建PR
- * 查看Preview效果
- * Promote

创建项目

创建Spring-boot项目

触发第一次构建

查看生成的工程目录

查看流水线执行状态

THANKS