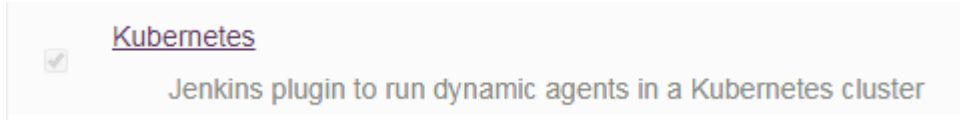


Jenkins 集成 Kubernetes 实现 jnlp-slave 动态分配

1. 安装 Kubernetes 插件: Jenkins -> 系统管理 -> 管理插件 -> 可选插件 -> Kubernetes



2. 创建 Credentials: Jenkins -> Credentials -> System -> Global credentials (unrestricted) -> Add Credentials

| | |
|-------------|---------------------------------|
| Scope | System (Jenkins and nodes only) |
| Username | admin |
| Password | |
| ID | k8s-admin-login |
| Description | k8s-admin-login |

3. 配置 Jenkins 与 Kubernetes 集成: Jenkins -> 系统管理 -> 云 -> Kubernetes

3.1 配置 Kubernetes 访问

| | |
|-----------------------------------|---|
| Kubernetes | |
| Name | kubernetes |
| Kubernetes URL | https://10.1.10.170:8443 |
| Kubernetes server certificate key | |
| Disable https certificate check | <input checked="" type="checkbox"/> |
| Kubernetes Namespace | default |
| Credentials | admin***** (k8s-admin-login) ➕ Add |
| | Test Connection |
| Jenkins URL | http://10.1.10.171 |
| Jenkins tunnel | |
| Connection Timeout | 0 |
| Read Timeout | 0 |
| Container Cap | 10 |
| Max connections to Kubernetes API | 32 |
| | 高级... |
| Defaults Provider Template Name | |

3.2 配置 jnlp-slave 的 pod 模板

Kubernetes Pod Template

Name

jnlp-k8s-tpl

Namespace

Labels

jnlp-k8s-label

Usage

只允许运行绑定到这台机器的Job

The name of the pod template to inherit from

Containers

Container Template

Name

jnlp

Docker image

harbor.corp.lc.com/library/jnlp-docker-slave.v1.0

Always pull image

☒

Working directory

/tmp/jenkins

Command to run

/usr/bin/jenkins-slave

Arguments to pass to the command

\${computer.jnlpMac} \${computer.name}

Allocate pseudo-TTY

☒

EnvVars

Add Environment Variable

List of environment variables to set in agent pod

Volumes

Host Path Volume

Host path

/var/run/docker.sock

Mount path

/var/run/docker.sock

Delete Volume

Host Path Volume

Host path

/etc/localtime

Mount path

/etc/localtime

Delete Volume

Host Path Volume

Host path

/tmp/jenkins

Mount path

/tmp/jenkins

Delete Volume

Add Volume

List of volumes to mount in agent pod

Max number of instances

Time in minutes to retain slave when idle

Time in seconds for Pod deadline

Timeout in seconds for Jenkins connection

300

Annotations

Add Annotation

List of annotations to set in slave pod