



腾讯云代码分析 *Jenkins*插件使用说明



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使用前准备

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本地部署TCA Server和client

参考: */CodeAnalysis/README_ZH.md*文件中的【快速入门】

Jenkins平台安装

参考官方文档根据操作系统下载对应版本
[\(https://www.jenkins.io/download\)](https://www.jenkins.io/download)

使用前准备

编译打包

在 `CodeAnalysis/plugins/jenkins_plugin` 目录下，执行命令 `mvn package -DskipTests`

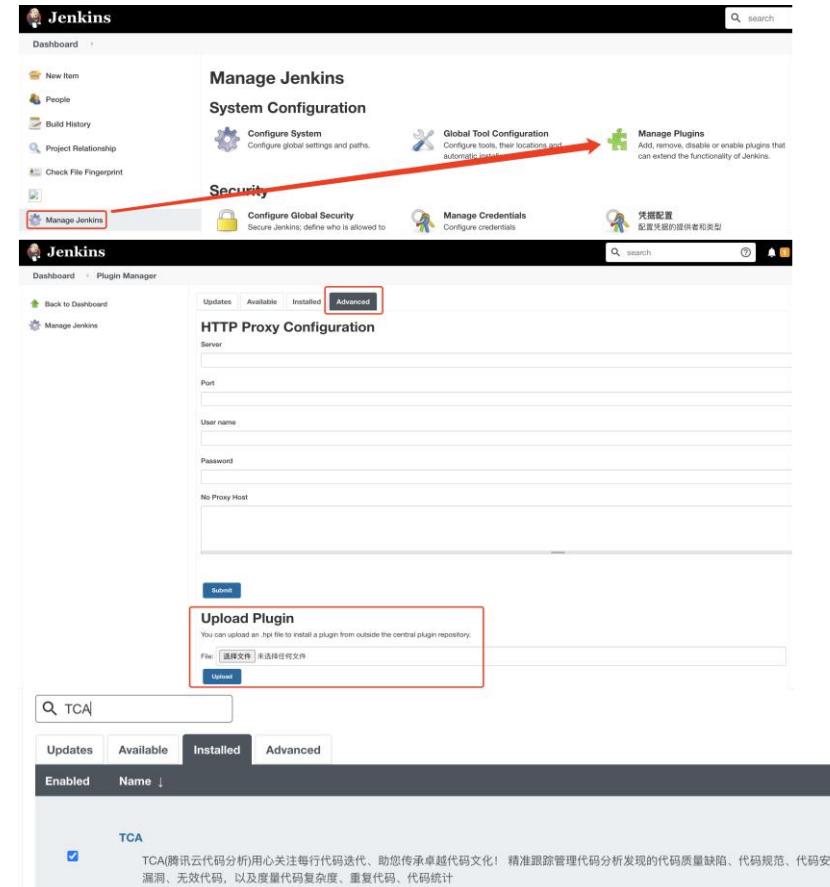
进入 `target` 目录会有 `Jenkins_plugin.hpi` 的插件安装包

安装插件

通过【Manage Plugin】->【Upload plugin】的安装方式选

择 `Jenkins_plugin.hpi` 文件上传，并重启 Jenkins

【Installed】里搜索出【TCA】代表安装成功



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使用方法

使用方法

创建团队及项目

进入本地部署页面，点击【立即体验】

点击【创建团队】，成功后进入团队【创建项目】



The screenshot displays the Tencent Cloud Code Analysis interface. At the top, there is a banner with the text "腾讯云代码分析" (Tencent Cloud Code Analysis) and a "立即体验" (Experience Now) button. Below the banner, there is descriptive text about the service's features. In the main area, there is a "所有团队" (All Teams) section and a search bar with a placeholder "团队名称" (Team Name). A red box highlights the "创建团队" (Create Team) button. Below this, two modal windows are shown: "创建团队" (Create Team) and "创建项目" (Create Project). The "创建团队" window has fields for "团队名称*" (Team Name*) with placeholder "例如：腾讯科技", "团队负责人*" (Team Leader*) with a blank input field, and "团队联系电话*" (Team Contact Phone*) with a blank input field. It also contains "确定" (Confirm) and "取消" (Cancel) buttons. The "创建项目" window has fields for "项目唯一标识*" (Project Unique Identifier*) with placeholder "仅支持英文、数字、中划线或下划线", "项目名称*" (Project Name*) with a blank input field, and "项目描述" (Project Description) with a large text input field. It also contains "确定" (Confirm) and "取消" (Cancel) buttons.

使用方法

配置Jenkins环境变量

进入设置界面，在【Global properties】添加环境变量

Name为指定字段名，Value根据个人which结果填写

Name: PYTHONPATH Value: xxxx [路径不包含python3]

Name: GITPATH Value: xxxx [路径不包含git]

```
1 ~ % which python3
/usr/local/bin/python3
1 ~ % which git
/usr/local/bin/git
admin@IUMMYZHANG-MC1 ~ %
```

The screenshot shows the Jenkins 'Manage Jenkins' interface with the 'System Configuration' section selected. A red arrow points from the 'Manage Jenkins' link in the left sidebar to the 'Configure System' button in the main content area. The 'Global properties' section is highlighted with a red box, containing a checkbox for 'Environment variables'. Below it, two environment variable entries are listed: 'GITPATH' with value '/usr/local/bin' and 'PYTHONPATH' with value '/usr/local/bin'. At the bottom of the list is an 'Add' button, also highlighted with a red box and labeled with a red number '3'.

使用方法

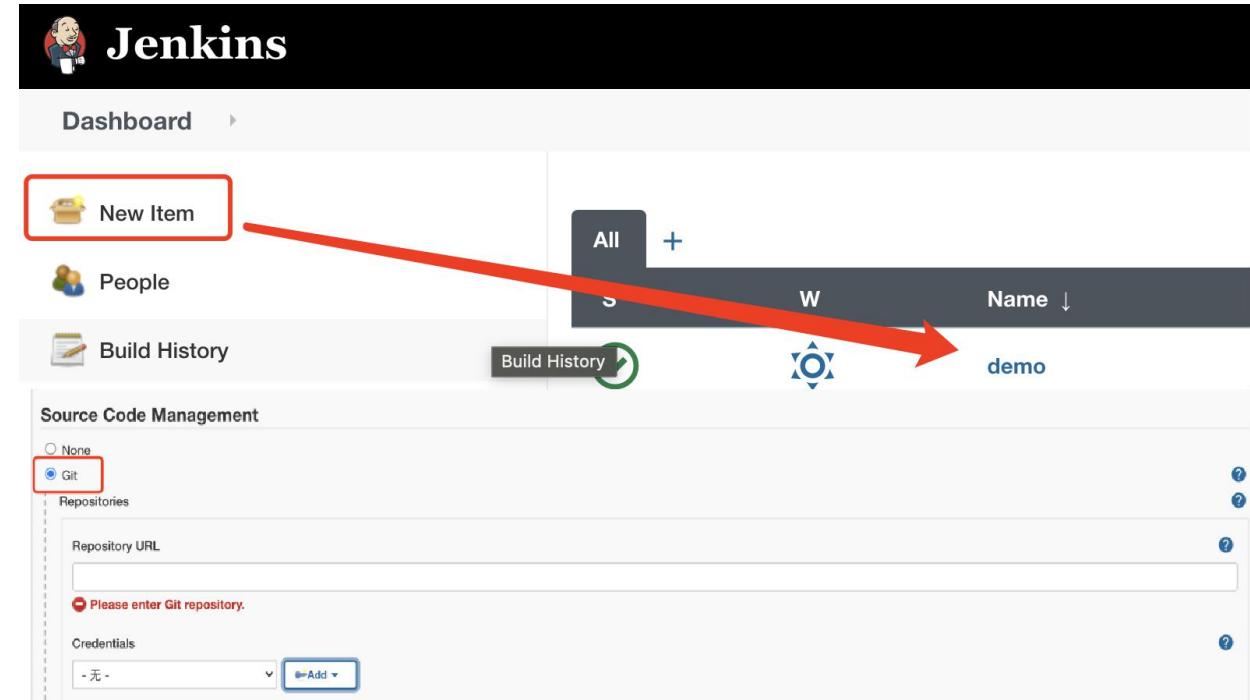
拉取扫描的代码

进入jenkins页面，通过【New Item】创建一个空白任务

进入任务可以通过Git 拉取想要扫描的代码

【Repository URL】填入远端仓库地址

【Credentials】需要添加仓库的用户名和密码作为凭证



使用方法

配置插件

在【Build】中选择【TCA】插件并配置相关参数

【CodeAnalysis项目路径】为拉取代码时所在的绝对路径

【团队ID】和【项目名称】在本地部署的页面网址中可以获取

【Token】在【个人中心】->【个人令牌】可以获取

【分支名称】指需要扫描的分支

【语言类别】指项目代码需要扫描的语言

【全量扫描】不勾选默认为【增量扫描】

配置完成后点击【Save】

Build

TCA

CodeAnalysis目录绝对路径 ?
/xx/xx/CodeAnalysis

团队ID ?
H76WNlb65K0

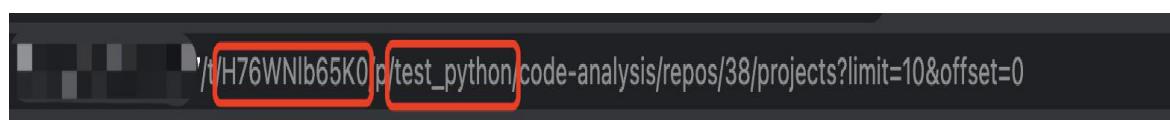
项目名称 ?
test_python

Token ?

分支名称 ?
master

语言类别 ?
java

全量扫描



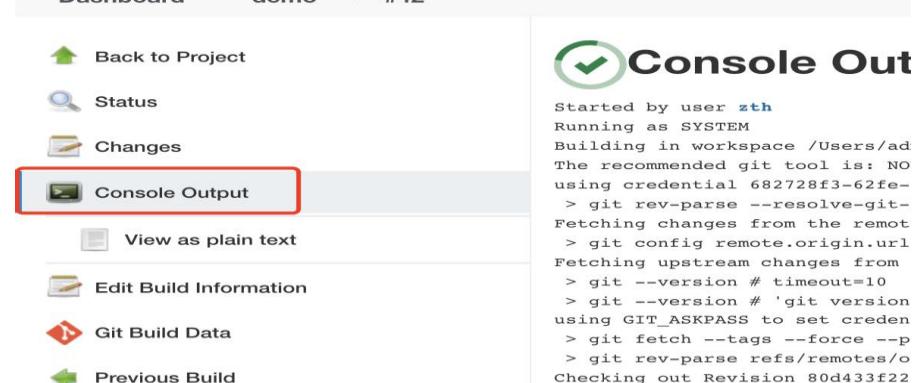
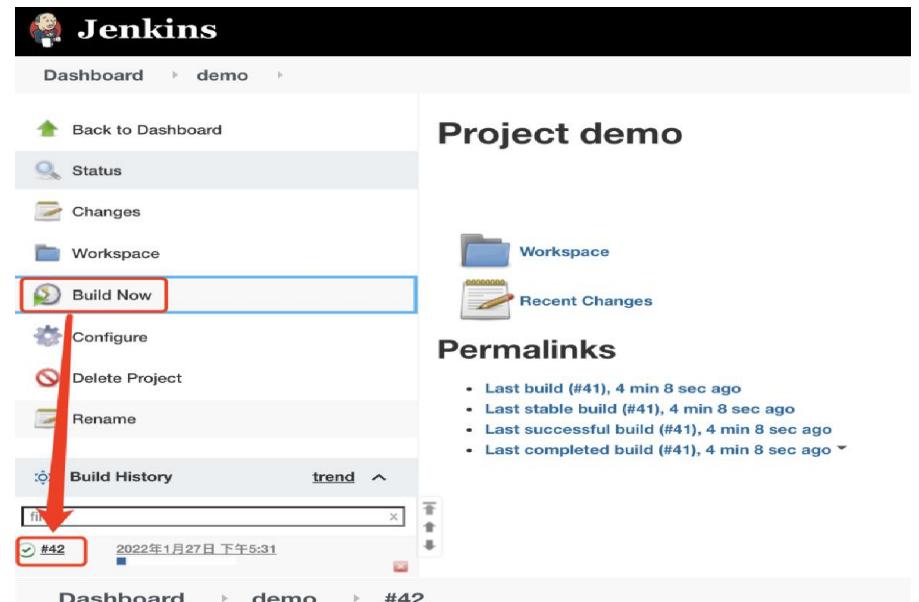
使用方法

启动构建并查看结果

点击【Build Now】开启构建

进入构建任务，点击【Console Output】可以查看控制台的执行过程

执行完成后，在【Console Output】下方可以看到分析结果的链接



```
*****
代码分析结果:
[代码检查结果] 本次扫描发现新问题量: 0, 关闭问题量: 0
查看所有问题列表:          /t/H76WN1b65K0/p/test_python/code-analysis/repos/39/projects/58/codelint-issues
任务执行详情:          ./t/H76WN1b65K0/p/test_python/code-analysis/repos/39/projects/58/scan-history/311
*****
2022-01-27 17:30:06,385-INFO-util.logutil: json report: /Users/admin/Desktop/CodeAnalysis/client/scan_status.json
Finished: SUCCESS
```