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接近 2 年 ago

### 在 Mac mini 上架设 Jenkins 服务器来运行 iOS 测试

#### 安装配置 Jenkins

先使用 homebrew 安装 Jenkins

```
$ brew install jenkins
```

然后链接 launchd 配置文件

```
$ ln -sfv /usr/local/opt/jenkins/*.plist ~/Library/LaunchAgents
```

可以更改此 plist 来进行一些自定义的配置，详细列表可以参考 <https://wiki.jenkins-ci.org/display/JENKINS/Starting+and+Accessing+Jenkins>

如果要其他机器也可以访问，把 plist 里的 `<string>--httpListenAddress=127.0.0.1</string>` 删掉即可

修改完后，在终端执行

```
$ launchctl load ~/Library/LaunchAgents/homebrew.mxcl.jenkins.plist
```

即可启动 Jenkins

接着用浏览器访问 localhost:8080（默认配置），就可以看到 Jenkins 的 web 界面了

#### 集成 GitHub 的 Pull Request

在 GitHub 上有新的 Pull Request 的时候，可以自动来跑测试，然后把结果提交给 GitHub 上

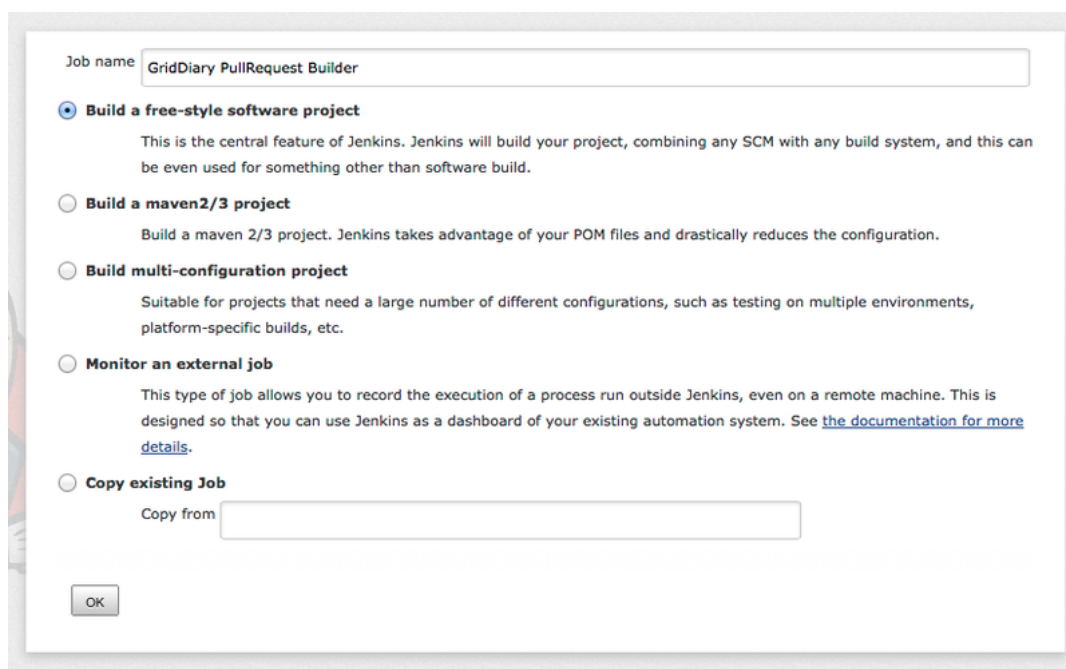
#### 安装插件

在左侧的导航找到 Manage Jenkins，进到管理界面，然后找到 Manage Plugins 进入插件管理界面，我们安装几个必须的插件：

- GitHub plugin <https://wiki.jenkins-ci.org/display/JENKINS/Github+Plugin>
- GitHub Pull Request Builder <https://wiki.jenkins-ci.org/display/JENKINS/GitHub+pull+request+builder+plugin>

#### Job 跑起来

安装完插件之后，我们可以开始建立 Job，在首页的左侧找到 New Job 进入新建 Job 的界面，选择 Build a free-style software project



点击 OK 之后，进入配置界面，找到 Source Code Management，按照下图，选择 Git，然后填入 Name 为 origin，Refspec 填入 `+refs/pull/*:refs/remotes/origin/pr/*`，Branch Specifier 填入 `${sha1}`

Source Code Management

CVS

CVS Projectset

Git

Repositories

Repository URL

?

?

Credentials

- none -

:

Name

origin

?

Refspec

+refs/pull/\*:refs/remotes/origin/pr/\*

?

Add Repository

Delete Repository

Branches to build

Branch Specifier (blank for 'any')

\${sha1}

Add Branch

Delete Branch

Repository browser

(Auto)

:

?

Additional Behaviours

Add

None

Subversion

接着在 Build Trigger 下选择上 GitHub pull requests builder，默认使用的是 polling，这里也可以配置使用 github 的 hook 来触发，具体可以点击旁边的问号查看帮助

Build Triggers

Build after other projects are built

?

Trigger builds remotely (e.g., from scripts)

?

Build periodically

?

Build when a change is pushed to GitHub

?

GitHub pull requests builder

Admin list

Use github hooks for build triggering

?

Poll SCM

?

Advanced...

接着在 Build 下，添加 Execute shell 的 build step，里面写上跑测试的脚本

Build

Execute shell

?

Command

```
#!/usr/bin/env zsh --login

rvm use 2.0.0
ruby --version
bundle
bundle --version
bin/pod
/usr/bin/xcodebuild -scheme 'GridDiary Beta' -workspace GridDiary.xcworkspace -destination "platform=iOS Simulator,name=iPhone Retina (4-inch),OS=latest" -configuration Debug clean build test ONLY_ACTIVE_ARCH=NO
```

See the list of available environment variables

Delete

Add build step

格志里使用了 cocoapods，还有用 bundler 来管理 cocoapods 和其他 Ruby Gems 的版本，所以我们使用下面这段脚本来跑测试

```
#!/usr/bin/env zsh --login

rvm use 2.0.0
ruby --version
bundle
bundle --version
bin/pod
/usr/bin/xcodebuild -scheme 'GridDiary Beta' -workspace GridDiary.xcworkspace -destination "platform=iOS Simulator,name=iPhone Retina (4-inch),OS=latest" -configuration D
```

最后在 Post-build Actions 里加入 Set build status on GitHub commit

Post-build Actions

Set build status on GitHub commit

Delete


Add post-build action

这样，每次在 github 上有 Pull Request 的时候，Jenkins 就会自动运行测试，然后把结果反馈到 GitHub 上

Conversation

Commits 1

Files Changed 2



linjunpop opened this pull request 4 days ago

Upgrade SVProgressHUD to 1.0.

Edit

No one is assigned

No milestone

在编译的时候出现 `duplicate declaration of method` 错误

```
/Users/changfen/.jenkins/workspace/GridDiary/Pods/SVProgressHUD/SVProgressHUD/SVProgressHUD.m:44:
- (void)showProgress:(float)progress
^
In file included from /Users/changfen/.jenkins/workspace/GridDiary/Pods/SVProgressHUD/SVProgressH
/Users/changfen/.jenkins/workspace/GridDiary/Pods/SVProgressHUD/SVProgressHUD.h:46:
+ (void)showProgress:(CGFloat)progress status:(NSString*)status maskType:(SVProgressHUDMaskType)m
^
1 error generated.
```


详细可以看 CI 上的测试: <http://192.168.1.113:8080/job/GridDiary/7/console>


SVProgressHUD 1.0 修复了这个 issue: [samvermette/SVProgressHUD#190](#)

Failed

Merged build finished. (Details)

1 participant





- linjunpop added a commit

5 days ago

linjunpop

Upgrade SVProgressHUD to 1.0. ...

9c4d3ed

You can add more commits to this pull request by pushing to the `jun-upgrade-svprogresshud` branch on `Sumi-Interactive/GridDiary`

Failed

Merged build finished. (Details)

Merge with caution!

You can also merge branches on the [command line](#).

Merge pull request

Extra

Jenkins 默认的界面惨不忍睹，可以用 [Simple Theme](#) 这个插件来自定 CSS 和 JavaScript

还有一个可以让 console 更不费眼睛一点的 Chrome 插件：<https://github.com/M6Web/JenkinsTerminalColors>

EOF

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