GIT, Defect Management & CI

git 安装与使用

#使用 centOS6.5 x64 环境，安装 git
```
yum install git
```

安装结果为

```
git --version
git version 1.7.1
```

git 常用命令有

git init 初始化仓库

git remote add [shortname][url] 添加远端仓库

git pull 拉取代码

git checkout [branch] 切换分支

git checkout -b [branch] 新建并切换分支

git push [remote] [branch]:[remote branch] 推送代码

git merge [branch] 合并分支

git rebase [branch] 变基合并分支

git add [file] 添加文件至暂存区

git commit 添加 commit 记录

git log 查看 git 记录

Mantis 安装

```
# 下载 mantis
wget https://ncu.dl.sourceforge.net/project/mantisbt/mantis-stable/2.5.0/mantisbt-2.5.0.zip
# 解压
unzip mantisbt-2.5.0.zip
# 复制文件至 apache 目录
mv -f mantisbt-2.5.0/* /usr/share/httpd/html
# 重启 apache
service httpd restart
```

添加配置文件

```php
<?php
$g_hostname='localhost:3306';
$g_db_username='root';
$g_db_password='JyfNXLOhG7JSVqp';
$g_crypto_master_salt='jdflajopdajijoafdk';
```

mysql 新建数据库 bugtracker

```sql
CREATE DATABASE bugtracker;
```

访问 localhost/admin/install.php

MantisBT	
Pre-Installation Check	Back to Administration
Checking Installation	
Config File Exists - Upgrade	GOOD
Setting Database Type	GOOD
Checking Database connection settings exist	GOOD
Checking PHP support for database type	GOOD
Checking PHP version (your version is 5.6.30)	GOOD
Checking UTF-8 support	GOOD
Checking if safe mode is enabled for install script	GOOD
Checking there is no 'config_inc.php' file in 1.2.x location.	GOOD
Checking there is no 'custom_constants_inc.php' file in 1.2.x location.	GOOD
Checking there is no 'custom_strings_inc.php' file in 1.2.x location.	GOOD
Checking there is no 'custom_functions_inc.php' file in 1.2.x location.	GOOD
Checking there is no 'custom_relationships_inc.php' file in 1.2.x location.	GOOD
Checking there is no 'mc_config_defaults_inc.php' file in 1.2.x location.	GOOD
Checking there is no 'mc_config_inc.php' file in 1.2.x location.	GOOD

点击 install

Installing Database	
Create database if it does not exist	GOOD
Attempting to connect to database as user	GOOD

Write Configuration File(s)	
Updating Configuration File (config/config_inc.php)	GOOD

Checking Installation	
Attempting to connect to database as user	GOOD
checking ability to SELECT records	GOOD
checking ability to INSERT records	GOOD
checking ability to UPDATE records	GOOD
checking ability to DELETE records	GOOD

Installation Complete	
MantisBT was installed successfully. Continue to log in.	GOOD

安装成功, 点击 continue 登录即可进行管理

Jenkins 安装与配置

```
# 下载文件
wget https://mirrors.tuna.tsinghua.edu.cn/jenkins/war-stable/2.46.3/jenkins.war
# 运行
java -jar jenkins.war
```
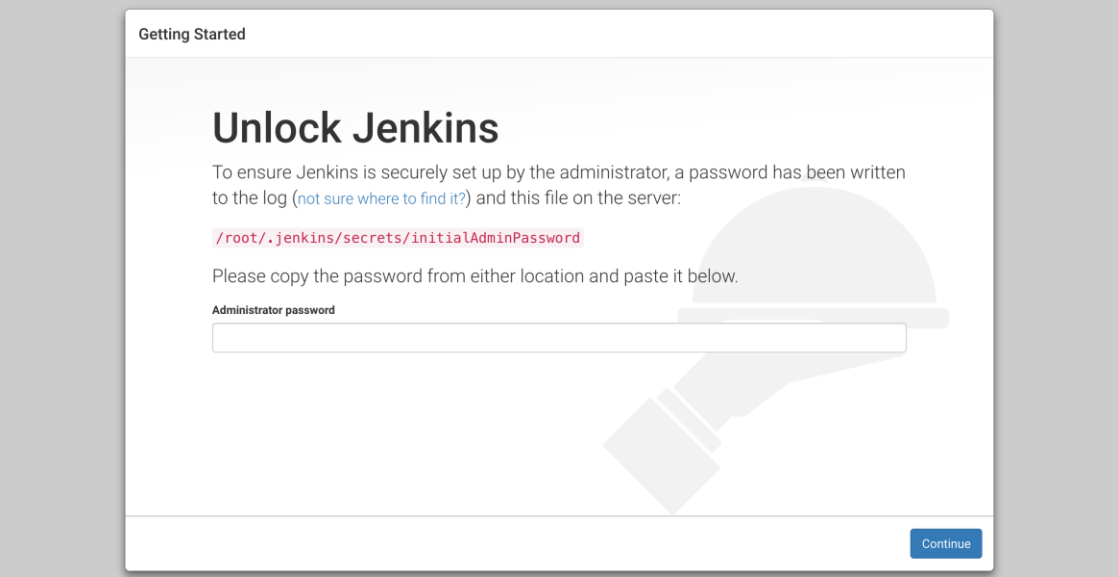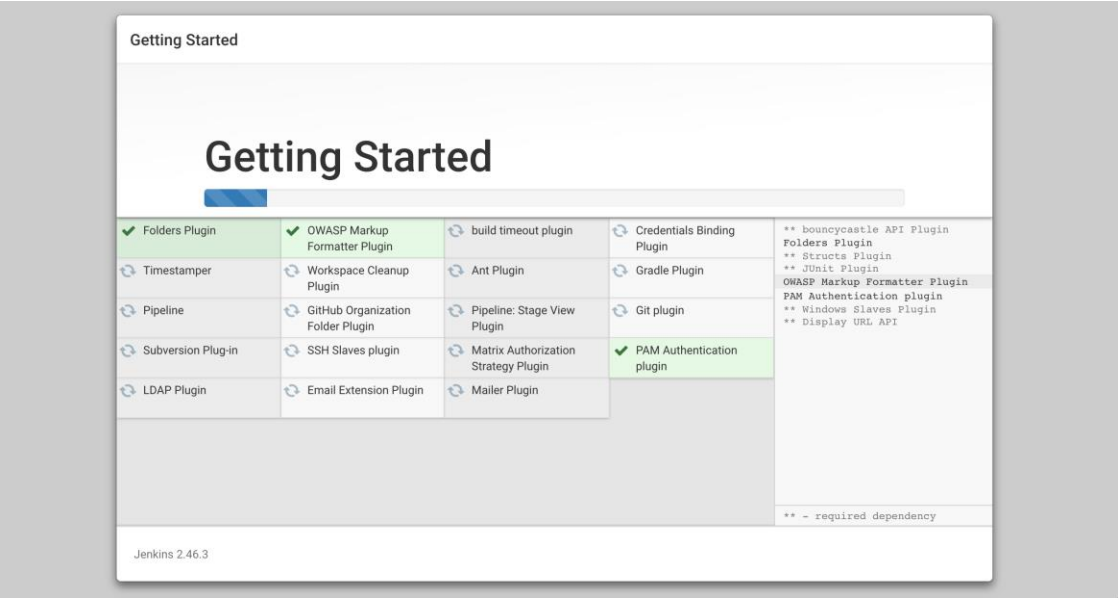
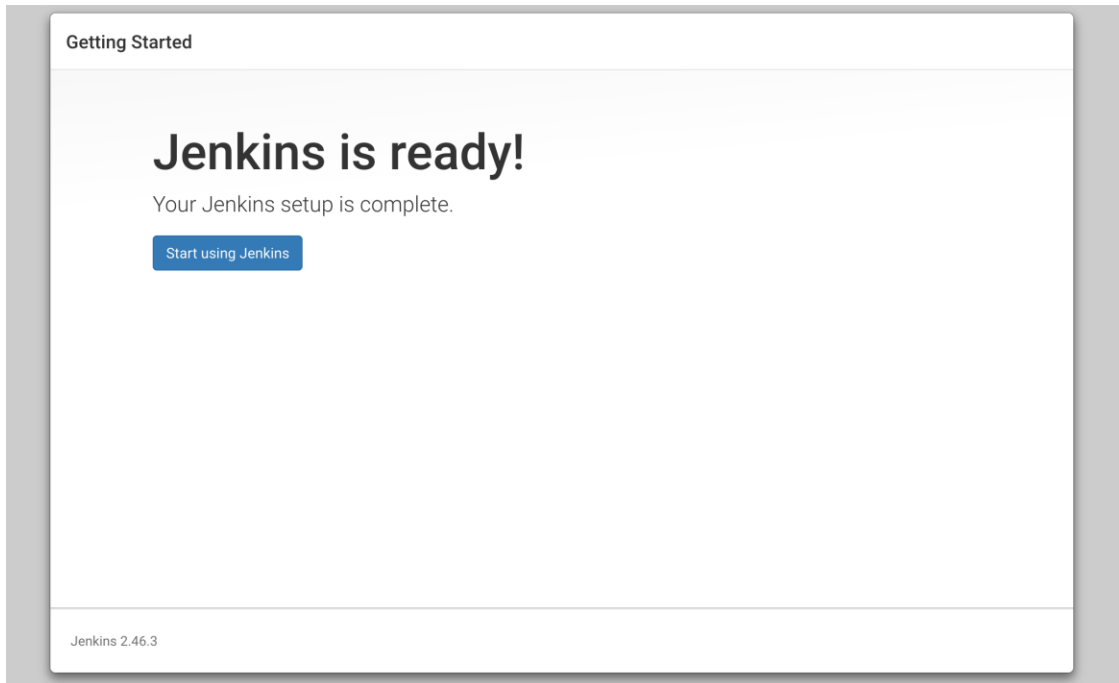访问 localhost:8080

按照提示得到初始密码输入
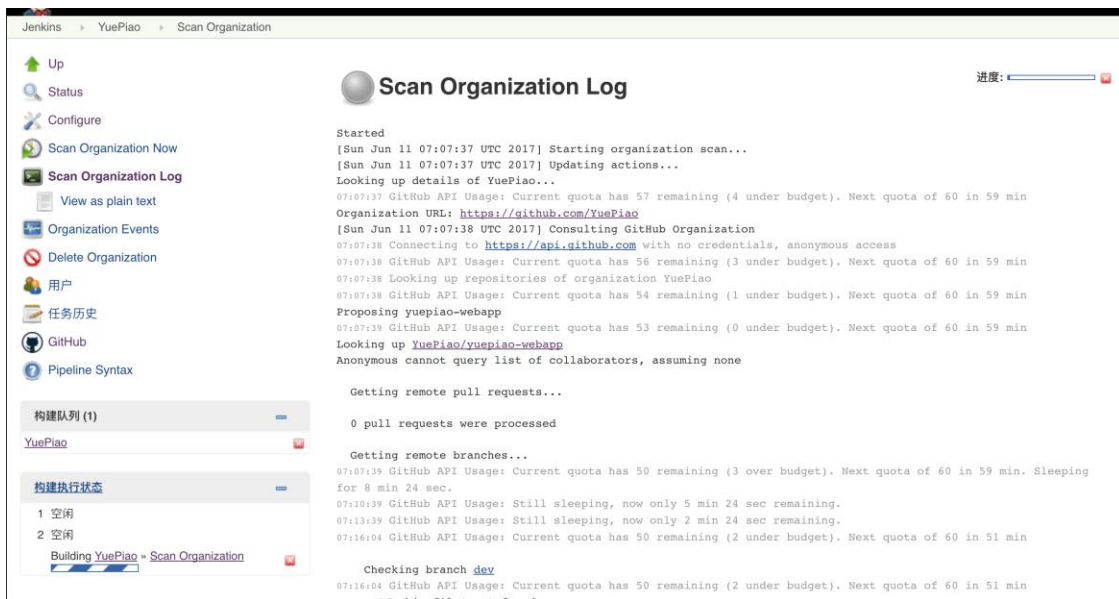

安装完毕

新建 github organization

新建 task

General   源码管理   构建触发器   构建环境   构建   构建后操作

项目名称   webapp

描述   yuepiao 前端构建

[Plain text] 预览

☑ GitHub project

Project url   https://github.com/YuePiao/yuepiao-webapp   ❓

高级...

☐ Throttle builds   ❓