ADM v1.0 Installation Manual

Draft

Dec 28, 2013

# Revision History

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| --- | --- | --- | --- | --- | --- | --- |
| S.No | Version No. | Release Date | Author(s) | Section(s) Affected | Change History |  |
| 1 | 1.0.0.0 |  | Lorne | Initial Edition | Initial |  |
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Note:

1. All bolded word(s) wrapped with percentage mark, means the word(s) can be and should be replaced with meaningful value, such as **%RemDBUser%**.
2. Assume the previous version as **%PreVersion%** and current version as **%PackVersion%**.

# Introduction

ADM(Automatical Deployment Management) is the management web site of automatical deployment system. This document guide how to install ADM.

# Requirements

ADM should be installed on the same Linux server with Puppet master.

# Evironment Preparation

* 1. **Install Python**

Run yum install python to install python

* 1. **Install Django**

Django is a high-level opensource Python Web framework , ADM is developed based on Django. Uncompress Django-1.6.tar.gz and enter its root folder, run python setup.py install as root privilege

* 1. **Install mysql**

Run yum install mysql-server to install python, initial mysql setting with mysql\_secure\_installation

* 1. **Create database in mysql**

Create a database in mysql for ADM, take care that the database configuration will be used in step 4.2

# ADM deploy

# Uncompress ADM package

Uncompress installation package to /etc/puppet.

# Modify ADM config

Edit /etc/puppet/autodeploy/autodeploy/settings.py

1. Fill in mysql database NAME, USER, PASSWORD value in DATABASES dict’s defulat value, the value of NAME, USER, PASSWORD shoulde be corresponding with Step3.4. Here is a example, take care that can not modify the key name ‘default’.

DATABASES = {

'default': {

'ENGINE': 'django.db.backends.mysql',

'NAME': 'autodeploy',

'USER': 'autodeploy\_test',

'PASSWORD': 'k4h9n5g3t6',

'HOST': 'cnemopprodpuppet.hz.rem.cn.se.com',

'PORT': '',

},

}

1. Modify DJANGO\_ROOT\_URL variable, replace 127.0.0.1 with hostname
2. According to installing environment, change DEFAULT\_ENVIRONMENT to ENVIRONMENT\_DEVELOPMENT or ENVIRONMENT\_PRODUCTION.
3. Ensure PUPPET\_ROOT\_PATH should be ‘/etc/puppet’

# Generate database

If database initialization sql script is providered, you can simplely run this script to finish the db initialize process which are no necessary to run the command below(chapter5 can also be ignored).

Enter /etc/puppet/autodeploy/ run python manage.py syncdb , specify the superuser’s name, email and password

# Validate deploy

Run /etc/puppet/autodeploy/run.sh and visit http://**%hostname%**:8000/admin, deploy successed if webpage opened successfully

# Initialize ADM website

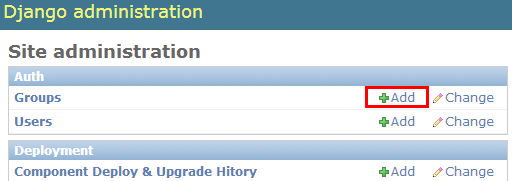
If database initialization sql script is providered, you can simplely run this script to finish the db initialize process (no need to follow the sub-step below).

If no script is providered, you can initially configure ADM following below step.

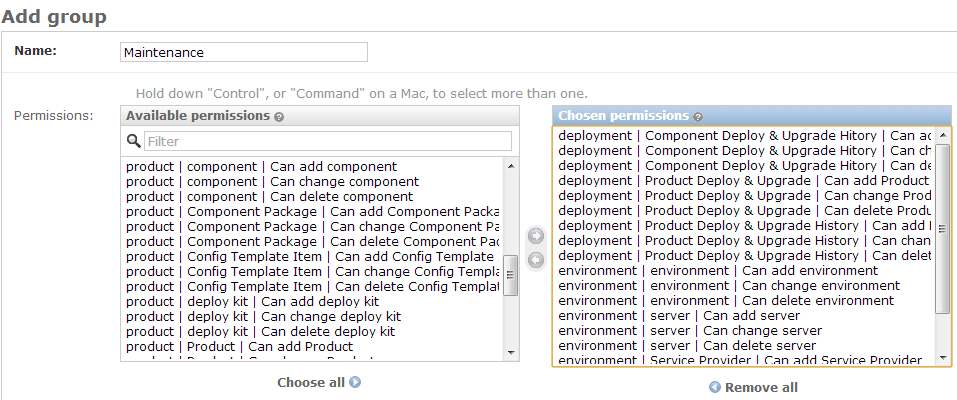
# Login

Login http://%hostname%:8000/admin as superuser

# Add Maintenance group

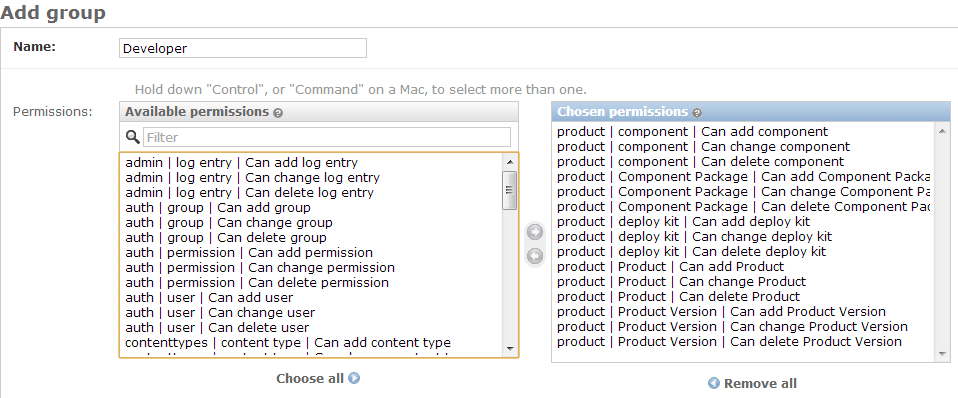


Configure permission as following:



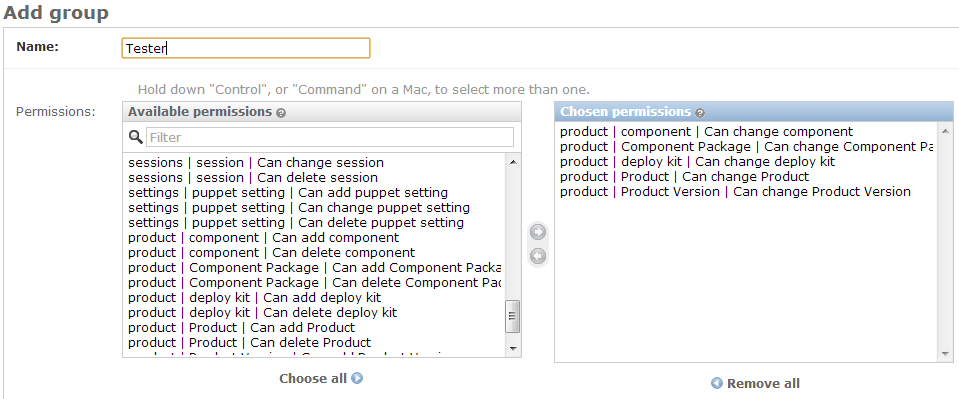
# Add Developer group

Configure permission as following:



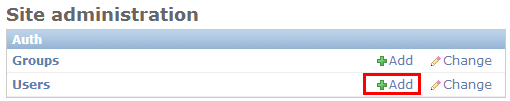
# Add Tester group

Configure permission as following:

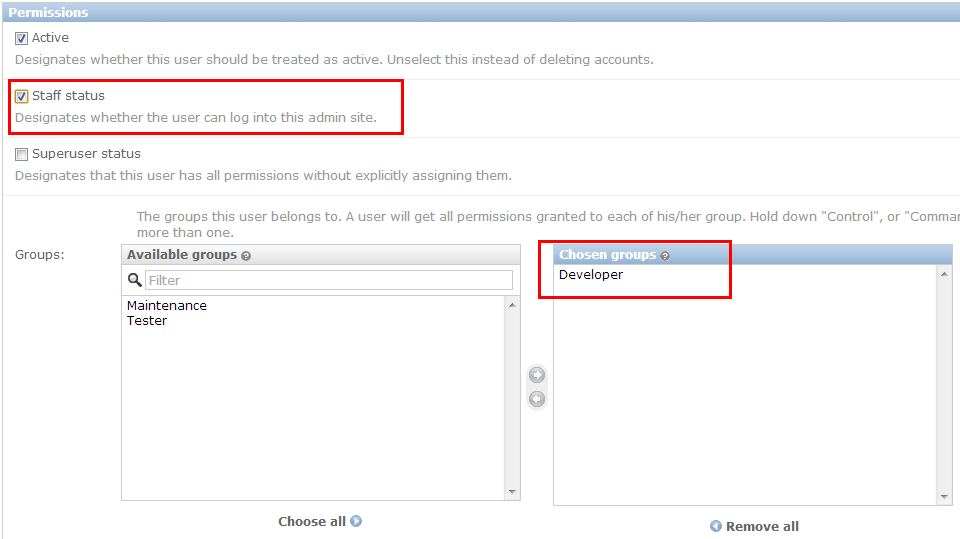


# Add Member

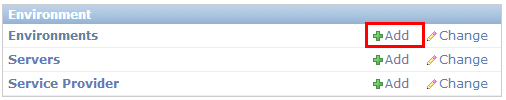
Add member into 3 group just created.



First fill in username and password, then active staff status and specify it’s group.



# Add Environment



Add environment record for production,staging,development,testing.

# Fill in other table

Other table’s manipulating is simplely and clearly, if you have problem please turn on Lorne