**IDC机房CRM系统安装操作(Django框架)**

**（1）Django安装（基于Python3）：**

pip3 install Django && pip3 install pymysq && pip3 install response && pip3 install django-crispy-forms && pip3 install --upgrade django-crispy-forms \

pip3 install httplib2 && pip3 install django-formtools && pip3 install unidecode

**Django安装包地址： root@zabbix\_prd02-3-202:/home/app/django$ll**

total 512

drwxr-xr-x 7 root root   4096 Mar 21 15:53 crm\_serverhost

-rw-r--r-- 1 root root 520029 Mar 21 15:54 crm\_serverhost.tar.gz

**（2）Django运行安装操作：**

初始安装需要刷数据库操作：（数据库表设计代码写在crm/models.py里）

# 在mysql上新建数据库crm\_serverhosts

root@zabbix\_prd02-3-202:/home/app/django/crm\_serverhost$python3 manage.py makemigrations

root@zabbix\_prd02-3-202:/home/app/django/crm\_serverhost$python3 manage.py manage.py migrate

# 第一次创建后台管理超级用户，并输入密码：（按提示操作）

root@zabbix\_prd02-3-202:/home/app/django/crm\_serverhost$python3 manage.py createsuperuser

# 运行Django

root@zabbix\_prd02-3-202:/home/app/django/crm\_serverhost$python3 manage.py runserver 0.0.0.0:8000 &  (后台运行)

**（3）Django的IDC机房CRM系统登陆地址和后台操作地址：**

http://crmidc.corp.kjtjia.com/    前端展示页面地址  点击Setting可登录后台管理页面

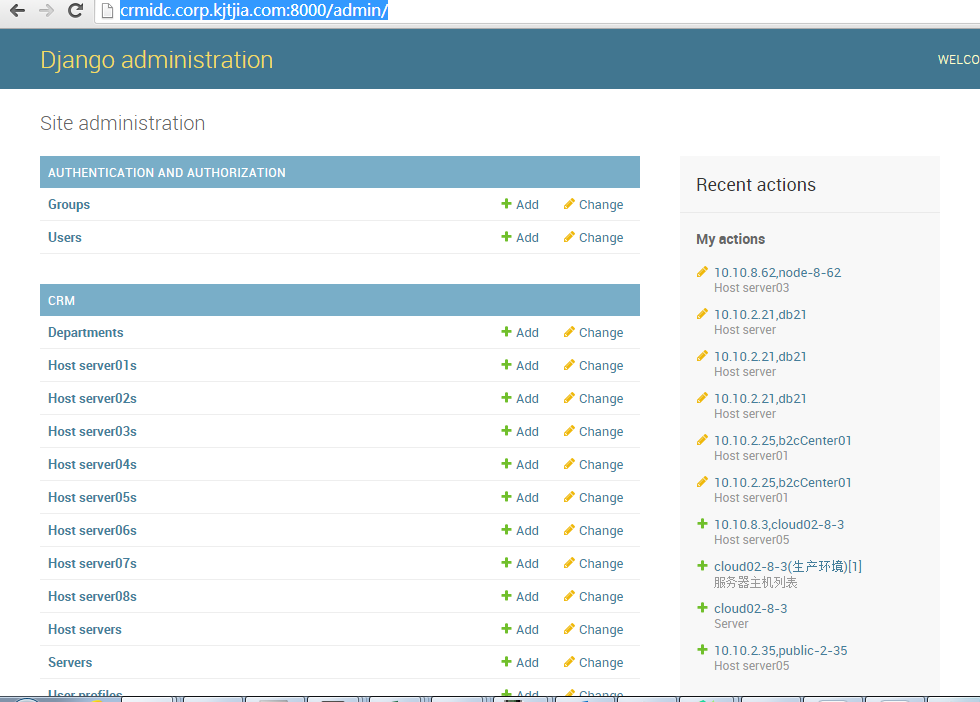
超级用户已建： admin  密码：Admin@123

http://crmidc.corp.kjtjia.com:8000/admin/     后端管理页面地址

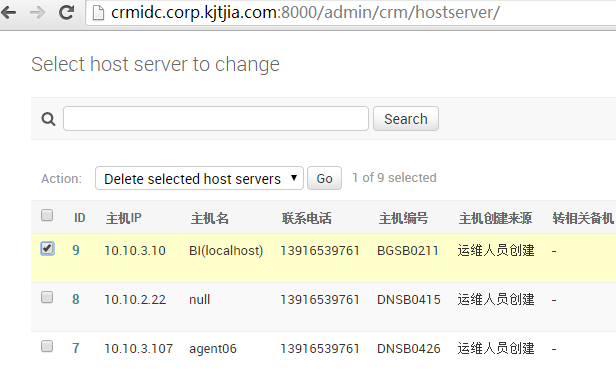
**[](http://zentao.kjtjia.com/zentao/file-read-177.png)**

**(4) http://crmidc.corp.kjtjia.com:8000/admin/ 登录后台上下架服务器更改信息操作**

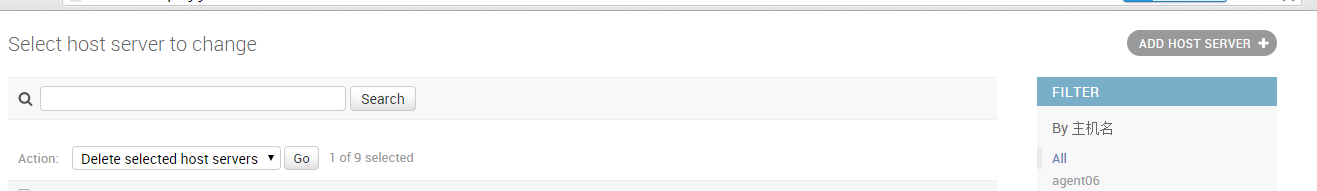
**Host servers为 第一个H03 机柜，以此类推， 暂加九个机柜，已填写3个**

**[](http://zentao.kjtjia.com/zentao/file-read-178.png)**

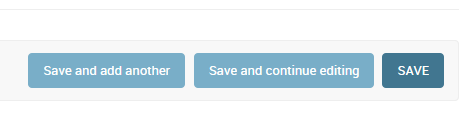
**点击进入Host servers可选中以下功能作删除操作（建议更改信息不建议删除）**

**[](http://zentao.kjtjia.com/zentao/file-read-179.png)**

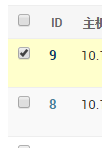
**右上侧为添加主机按钮**

**[](http://zentao.kjtjia.com/zentao/file-read-180.png)**

**进入按提示选择或添加操作（右下角为保存按钮）**

[](http://zentao.kjtjia.com/zentao/file-read-181.png)[](http://zentao.kjtjia.com/zentao/file-read-182.png)

**点击每个ID进入可做修改操作：**

[](http://zentao.kjtjia.com/zentao/file-read-183.png)

**(5) 服务器在线和宕机状态见脚本信息**

**crontab -e**

**\*/5 \* \* \* \* /root/scripts/allcheck\_up\_down.py**

**root@zabbix\_prd02-3-202:~/scripts$cat allcheck\_up\_down.py**

#!/usr/bin/env python3

# -\*- coding: utf-8 -\*-

\_\_author\_\_ = 'xuliwei'

from pymysql import Connect

import pymysql

import os

import sys

import time

import datetime

import shutil

import unidecode

import subprocess

#data1 = ('crm\_hostserver','crm\_hostserver01')

data1 = ('10.10.3.108','10.10.3.109','10.10.3.102','10.10.2.21','10.10.2.23','10.10.2.24','10.10.3.107','10.10.2.22','10.10.3.10')

data2 = ('10.10.2.25','10.10.2.27','10.10.2.29','10.10.2.31','10.10.8.6','10.10.8.2')

data3 = ('10.10.8.8','10.10.3.18','10.10.2.19','10.10.3.20','10.10.3.21','10.10.2.10','10.10.3.201','10.10.8.4','10.10.3.11','10.10.2.12','10.10.3.12')

data4 = ('10.10.3.103','10.10.3.106','10.10.8.5','10.10.8.62','10.10.3.13','10.10.3.202','10.10.2.14','10.10.3.14','10.10.3.15','10.10.3.23','10.10.3.25')

data5 = ('10.10.3.28','10.10.8.60','10.10.8.61','10.10.2.19','10.10.2.16','10.10.2.17','10.10.3.17','10.10.2.15','10.10.3.22')

data6 = ('10.10.2.26','10.10.2.28','10.10.2.30','10.10.2.32','10.10.8.7','10.10.2.35','10.10.8.3')

def check():

    i = 0

    while i < 6:

        #print(i)

        host = 'crm\_hostserver0%s'%(i)

        #print(host)

        if host == "crm\_hostserver00":

            host = "crm\_hostserver"

            for ip in data1:

                #print(ip)

                exec\_sql(host,ip)

        elif host == "crm\_hostserver01":

            for ip in data2:

                #print(ip)

                exec\_sql(host,ip)

        elif host == "crm\_hostserver02":

            for ip in data3:

                exec\_sql(host,ip)

        elif host == "crm\_hostserver03":

            for ip in data4:

                exec\_sql(host,ip)

        elif host == "crm\_hostserver04":

            for ip in data5:

                exec\_sql(host,ip)

        else:

            for ip in data6:

                exec\_sql(host,ip)

        i +=1

def exec\_sql(host,ip):

     conn = pymysql.connect(host="10.10.3.201",port=3306,user="root", passwd="emFiYml4MTIzNDU2Cg==",db="crm\_serverhosts",charset="utf8")

     print(host)

     print(ip)

     cmd=r'ping -c 1 %s > /dev/null && h=$? && echo $h'%(ip)

     status = os.system(cmd)

     print(status)

     value=0

     if status == value:

         up = "signed"

         mysql\_cmd01="""SELECT status from %s where host='%s'"""%(host,ip)

         cur = conn.cursor()

         cur.execute(mysql\_cmd01)

         result01 = cur.fetchall()[0][0]

         if up != result01:

             sql01="""UPDATE %s SET status='%s' WHERE host='%s'"""%(host,up,ip)

             print(sql01)

             cur.execute(sql01)

             conn.commit()

         else:

             pass

     else:

         down = "unregistered"

         print(down)

         mysql\_cmd02="""SELECT status from %s where host='%s'"""%(host,ip)

         cur = conn.cursor()

         cur.execute(mysql\_cmd02)

         result02 = cur.fetchall()[0][0]

         if down != result02:

             sql02="""UPDATE %s SET status='%s' WHERE host='%s'"""%(host,down,ip)

             print(sql02)

             cur.execute(sql02)

             conn.commit()

         else:

              pass

     cur.close()

     conn.close()

if \_\_name\_\_=='\_\_main\_\_':

    check()