

nsd1907_devweb_day06

实现添加模块页

```
# webadmin/urls.py
... ..
url(r'^addmodules/$', views.add_modules, name='add_modules'),
... ..

# webadmin/views.py
... ..
def add_modules(request):
    if request.method == 'POST':
        module = request.POST.get('module').strip()
        args = request.POST.get('param').strip()
        if module:
            m = Module.objects.get_or_create(modulename=module)[0]
            if args:
                m.argument_set.get_or_create(arg_text=args)

        modules = Module.objects.all()
        return render(request, 'add_modules.html', {'modules': modules})

# templates/add_modules.html
{% extends 'base.html' %}
{% load static %}
{% block title %}添加模块{% endblock %}
{% block content %}
    <form action="" class="form-inline" method="post">
        {% csrf_token %}
        <div class="form-group">
            <label>模块 : </label>
            <input class="form-control" type="text" name="module">
        </div>
        <div class="form-group">
            <label>参数 : </label>
            <input class="form-control" type="text" name="param">
        </div>
        <div class="form-group">
            <input class="btn btn-primary" type="submit" value="提 交">
        </div>
    </form>
    <hr>
    <table class="table table-striped table-hover table-bordered">
        <thead class="bg-primary">
            <tr>
                <td>模块</td>
                <td>参数</td>
            </tr>
        </thead>
    </table>
{% endblock %}
```

```

        </tr>
    </thead>
    {% for module in modules %}
        <tr>
            <td>{{ module.modulename }}</td>
            <td>
                <ul class="list-unstyled">
                    {% for args in module.argument_set.all %}
                        <li>
                            {{ args.arg_text }}
                        </li>
                    {% endfor %}
                </ul>
            </td>
        </tr>
    {% endfor %}
</table>
{% endblock %}

# templates/index.html
... ..
<div class="col-sm-3 text-center">
    <a href="{% url 'add_modules' %}" target="_blank">
        <br>
        添加模块
    </a>
</div>
... ..

```

制作执行任务页

```

# webadmin/urls.py
... ..
url(r'^tasks/$', views.tasks, name='tasks'),
... ..

# 将ansilbe课程中的adhoc2.py拷贝过来
(nsd1907) [root@room8pc16 ansi_cfg]# cp ../../../../devops/day03/adhoc2.py ../webadmin/

# webadmin/views.py
... ..
from . import adhoc2
... ..
def tasks(request):
    if request.method == 'POST':
        ip = request.POST.get('ip')
        group = request.POST.get('group')
        module = request.POST.get('module')
        args = request.POST.get('param')

        dest = None # 设定执行目标

```

```

if ip: # 如果主机非空
    dest = ip
elif group:
    dest = group

if dest and module and args: # 如果dest非空, 模块和参数非空
    adhoc2.adhoc(['ansi_cfg/dhosts.py'], dest, module, args)

hosts = Host.objects.all()
groups = HostGroup.objects.all()
modules = Module.objects.all()
context = {'hosts': hosts, 'groups': groups, 'modules': modules}
return render(request, 'tasks.html', context)

```

```

# templates/tasks.html
{% extends 'base.html' %}
{% load static %}
{% block title %}执行任务{% endblock %}
{% block content %}
<ul class="nav nav-tabs h4">
  <li class="active">
    <a href="#server" data-toggle="tab">主机</a>
  </li>
  <li>
    <a href="#servergroup" data-toggle="tab">主机组</a>
  </li>
</ul>
<form action="" method="post">
  {% csrf_token %}
  <div class="tab-content h4">
    <div class="tab-pane active fade in form-group" id="server">
      <select class="form-control" name="ip">
        <option value="">无</option>
        {% for host in hosts %}
          <option value="{{ host.ip_addr }}">
            {{ host.hostname }}:{{ host.ip_addr }}
          </option>
        {% endfor %}
      </select>
    </div>
    <div class="tab-pane fade form-group" id="servergroup">
      <select class="form-control" name="group">
        <option value="">无</option>
        {% for group in groups %}
          <option value="{{ group.groupname }}">
            {{ group.groupname }}
          </option>
        {% endfor %}
      </select>
    </div>
  </div>
</form>

```

```

<table class="table table-striped table-hover table-bordered">
  <thead class="bg-primary">
    <tr>
      <td>模块</td>
      <td>参数</td>
    </tr>
  </thead>
  {% for module in modules %}
    <tr>
      <td>
        <div class="radio">
          <label>
            <input type="radio" name="module" value="{{
module.modulename }}">
            {{ module.modulename }}
          </label>
        </div>
      </td>
      <td>
        <ul class="list-unstyled">
          {% for args in module.argument_set.all %}
            <li class="radio">
              <label>
                <input type="radio" name="param" value="{{
args.arg_text }}">
                {{ args.arg_text }}
              </label>
            </li>
          {% endfor %}
        </ul>
      </td>
    </tr>
  {% endfor %}
</table>
<div class="form-group text-center">
  <input class="btn btn-primary" type="submit" value="执 行">
</div>
</form>
{% endblock %}

# templates/index.html
<div class="col-sm-3 text-center">
  <a href="{% url 'tasks' %}" target="_blank">
    <br>
    执行任务
  </a>
</div>

```

在“添加模块”页面增加删除参数的功能

- 删除参数需要执行函数实现
- 调用函数又是通过访问一个URL来实现的

```
# webadmin/urls.py
... ..
url(r'^del_arg/(\d+)/$', views.del_arg, name='del_arg'),
... ..

# webadmin/views.py
from django.shortcuts import render, redirect
from .models import HostGroup, Module, Host, Argument
... ..
def del_arg(request, arg_id):
    args = Argument.objects.get(id=arg_id)
    args.delete()
    return redirect('add_modules')

# templates/add_modules.html
<li>
    <div class="col-sm-9">
        {{ args.arg_text }}
    </div>
    <div class="col-sm-3">
        <a href="{% url 'del_arg' args.id %}">
            del
        </a>
    </div>
</li>
```