# Ansible IIS创建站点

# (配置说明)

1. 系统环境

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| --- | --- | --- | --- |
| 系统 | 版本 | 角色 | 依赖 |
| Windows | server 2008 r2+ | 被控制端 | IIS 7.0 |
| WinRM |
| Powershell 3.0+ |
| cwRsync client |
| Linux | CentOS 6.0+ | 控制端 | Ansible 2.0+ |
| Ubuntu 12.04+ | pywinrm |
| Fedora | Rsync daemon |
| Opensuse | svn |

## Role目录结构

|  |  |
| --- | --- |
| /data/ansible | 根路径 |
| ├── playbook | Playbook目录 |
| │ └── create\_iis\_website.yml | 主入口文件 |
| └── win/create\_iis\_website | role名称 |
| ├── defaults | 默认参数目录 |
| │   └── main.yml | 默认参数配置文件 |
| └── tasks | Tasks |
| ├── create.yml | 创建站点 |
| ├── debug.yml | Debug输出 |
| ├── facts.yml | 信息处理 |
| └── main.yml | Tasks主配置文件 |

## 配置文件说明

1. Create\_iis\_website.yml[入口配置文件]

|  |
| --- |
| ---  - hosts: "{{hosts}}"  roles:  - create\_iis\_website # 调用的role |

1. Defaults/main.yml[默认参数]

|  |
| --- |
| ---  # physical path  physical\_path: 'd:\iisroot' # IIS站点根路径  logs\_path: 'd:\logs' # 站点日志根路径 |

1. Tasks/main.yml[tasks入口文件]

|  |
| --- |
| ---  - include: facts.yml # 参数和信息处理  #- include: debug.yml # debug打印输出  - include: create.yml # 创建站点  when: (action == "add") or (action == "create")  - include: delete.yml # 移除站点或应用  when: (action == "delete") or (action == "del") or (action == "remove") |

1. Tasks/facts.yml[参数和信息处理]

|  |
| --- |
| ---  - set\_fact:  Pool: "{{ site }}" # 注册{{ pool }}变量  site\_path: "{{ physical\_path }}\\{{ site }}" # 注册{{ site\_path }}变量  log\_path: "{{ logs\_path }}\\{{ site }}" # 站点日志路径  when: (app is undefined) # 当{{ app }}未定义时才执行  - set\_fact:  Pool: "{{ site }}.{{ app | replace('/','.') }}"  site\_path1: "{{ physical\_path }}\\{{ site }}\\{{ app | replace('/','\\]') }}"  # 多一个’]’是为了解决replace在’/’转为’\’中的bug  log\_path: "{{ logs\_path }}\\{{ site }}\\{{ app }}" # 站点日志路径  when: (app is defined) # 当{{ app }}定义时才执行  - set\_fact:  site\_path: "{{ site\_path1 | replace(']','') }}" # 去除多余的’]’符号  when: (app is defined) # 当{{ app }}定义时才执行  - set\_fact:  ip\_listen: '' # 监听地址，空为所有  when: (ip is defined) # {{ ip }}变量定义了执行  - set\_fact:  ip\_listen: "{{ ansible\_ip\_addresses[0] }}" # 监听地址，第一块网卡地址  when: (ip is undefined) # {{ ip }}未定义的时候执行 |

1. Tasks/debug.yml[调试打印用]

|  |
| --- |
| ---  - debug:  msg: |  "{{ site }} physical path {{ site\_path }}"  "{{ site }} application pool {{ Pool }}"  "{{ site }} donet version {{ donet | default('v4.0') }}" |

1. Tasks/create.yml[创建站点]

|  |
| --- |
| ---  - name: Windows | 创建站点目录  win\_file: path={{ item }} state=directory  with\_items:  - "{{ site\_path }}"  - "{{ log\_path }}"  - name: Windows | 检查 {{ site }} 信息  win\_iis\_website: name={{ site }}  register: check\_site # 运行结果注册到变量{{ check\_site }}  ignore\_errors: true # 忽略站点不存在的错误  #- debug: msg={{ check\_site }} # debug调试输出，注释  - block:  - name: Windows | 创建 {{ site }} 应用池  win\_iis\_webapppool: name={{ site }}  state=started  attributes=managedRuntimeVersion:{{ donet | default('v4.0') }}  - name: Windows | 创建 {{ site }} 站点  win\_iis\_website: name={{ site }} # 站点名称  port={{ port | default(omit) }} # 端口，默认80  ip={{ ip\_listen }}  application\_pool={{ site }}  physical\_path={{ physical\_path }}\\{{ site }}  hostname={{ host\_header | default(omit) }} # 主机头  state=started  when: (check\_site|failed) # {{ check\_site }} failed时才执行改block  - block:  - name: Windows | 创建 {{ app }} 应用池  win\_iis\_webapppool: name={{ Pool }}  state=started  attributes=managedRuntimeVersion:{{ donet | default('v4.0') }}  - name: Windows | 创建 {{ app }} 应用  win\_iis\_webapplication: name={{ app }}  site={{ site }}  physical\_path={{ site\_path }}  application\_pool={{ Pool }}  when: (app is defined) # {{ app }}定义时才执行改block |

1. Tasks/delete.yml[移除站点或者应用]

|  |
| --- |
| ---  - name: Windows | 检查 "{{ site }}" 信息  win\_iis\_website: name={{ site }}  register: check\_site  ignore\_errors: true  - block:  - name: Windows | 移除 "{{ site }}" 站点  win\_iis\_website: name={{ site }} state=absent  - name: Windows | 移除 "{{ site }}" 应用池  win\_iis\_webapppool: name={{ site }} state=absent  when: (check\_site) and (app is undefined)  ignore\_errors: true  - block:  - name: Windows | 移除 "{{ app }}" 应用  win\_iis\_webapplication: name={{ app }} site={{ site }} physical\_path={{ site\_path }} state=absent  - name: Windoes | 移除 "{{ app }}" 应用池  win\_iis\_webapppool: name={{ Pool }} state=absent  when: (check\_site) and (app is defined)  ignore\_errors: true |