如何从 **Puppet Forge** 获取 **puppet** 的各种模块

Puppet Forge 是一个免费的模块库，网址为 http://forge.puppetlabs.com/，截止目前为止已经有 1943 modules（统计时间 2014-1-14），基本覆盖所有操作系统以及常用软件。

1. 在 **http://forge.puppetlabs.com** 中查找 **nginx** 模块

```
[root@linuxmaster1poc ~]# puppet module search nginx
Searching http://forge.puppetlabs.com ...
NAME                    DESCRIPTION                                    AUTHOR
KEYWORDS
7terminals-nginx        The Nginx module installs and maintains the configu...
@7terminals    nginx proxy debian rhel
BenoitCattie-nginx
@BenoitCattie  web HTTP nginx fcgi
MiMediaINC-php_fastcgi  Configures upstart job for php5-cgi
@MiMediaINC    ubuntu fastcgi nginx
arioch-nginx            NGINX module                                   @arioch
nginx web reverse proxy
cmantix-nginxphp        Install Nginx, php-fpm also php debug and build env...
@cmantix       nginx php-fpm php
ctrlcroot-nginx         NGINX Module
@ctrlcroot     nginx web
dcoxall-wordpress       Configure PHP-FPM and NGINX for Wordpress sites.
@dcoxall       nginx mysql php-fpm php
dhutty-nginx            This module manages the NGINX webserver
@dhutty        web servers
example42-nginx         Puppet module for nginx
@example42     nginx example42
guilhermef-nginx        Puppet NGINX management module tornado friendly
@guilhermef
jbussdieker-nginx       Nginx Module
@jbussdieker   ubuntu nginx www web
jfryman-nginx           Puppet NGINX management module
@jfryman       nginx http proxy rack
jvaubourg-nginxpack     Nginx & PHP5 (opt.), vhosts, proxies, redirections,...
@jvaubourg     nginx php php5 ssl web
kbatra-nginx_pagespeed  Puppet module for downloading Nginx source and Goog...
@kbatra        passenger nginx psol
```

```
kbatra-nginx_passenger  Puppet module for Nginx through Passenger
@kbatra        nginx passenger deploy
lookatitude-zserver    Zend Server Management
@lookatitude   nginx apache ubuntu debian
maestrodev-nginx       Puppet NGINX management module
@maestrodev    nginx server http
oris-nginx             Puppet NGINX management module              @oris
ploperations-nginx     Install and manage nginx
@ploperations  nginx unicorn php load
puppetlabs-nginx       Puppet NGINX management module
@puppetlabs    web proxy HTTP nginx https
rhoml-threescale       This module helps install openresty and configure 3...
@rhoml         nginx lua proxy 3scale
salekseev-repo_nginx   Configures the NGINX Yum repository config to point...
@salekseev     centos yum nginx redhat
spantree-nginx         Puppet NGINX management module
@spantree      nginx
spuder-gitlab          Puppet GitLab Module                        @spuder
git gitlab ruby nginx
thias-nginx            NGINX web server module                     @thias
nginx rhel CentOS httpd
thias-php              PHP module                                  @thias
apache nginx php rhel
zooz-nginx             Puppet module for nginx web server.         @zooz
nginx fedora debian vhost
```

建议使用 **puppetlabs** 和 **example42** 提供的模块进行安装

```
[root@linuxmaster1poc ~]# puppet module search nginx | egrep -i
'puppetlabs|example42'
Searching http://forge.puppetlabs.com ...
example42-nginx        Puppet module for nginx
@example42     nginx example42
puppetlabs-nginx       Puppet NGINX management module
@puppetlabs    web proxy HTTP nginx https
```

2. 安装 nginx 模块

```
安装方法：http://docs.puppetlabs.com/puppet/2.7/reference/modules_installing.html


以安装 example42 上 nginx 模块版本 2.1.1 为例
http://forge.puppetlabs.com/example42/nginx
```

2.1 从 example42 上安装版本为 2.1.1 的 nginx 模块，安装在本地**/etc/puppet/modules** 目录（默认安装目录）

```
[root@linuxmaster1poc modules]# puppet module install example42/nginx --version
2.1.1 --modulepath=/etc/puppet/modules #下载nginx模块及依赖模块
Preparing to install into /etc/puppet/modules ...
Downloading from http://forge.puppetlabs.com ...
Installing -- do not interrupt ...
/etc/puppet/modules
└─┬ example42-nginx (v2.1.1)
  ├── example42-puppi (v2.1.7)
  └─┬ puppetlabs-concat (v1.1.0-rc1)
    └── puppetlabs-stdlib (v4.1.0)
```

2.2 查看安装的 nginx 模块

```
[root@linuxmaster1poc modules]# ll /etc/puppet/modules/
total 16
drwxr-xr-x 7 root root 4096 Jan  8 01:11 concat
drwxr-xr-x 5 root root 4096 Nov 22 16:15 nginx
drwxr-xr-x 7 root root 4096 Nov 22 17:10 puppi
drwxr-xr-x 6 root root 4096 May 13  2013 stdlib
[root@linuxmaster1poc modules]# tree /etc/puppet/modules/
/etc/puppet/modules/
├── concat
│   ├── CHANGELOG
│   ├── files
│   │   ├── concatfragments.rb
│   │   └── concatfragments.sh
│   ├── Gemfile
│   ├── Gemfile.lock
│   ├── lib
│   │   └── facter
│   │       └── concat_basedir.rb
│   ├── LICENSE
│   ├── manifests
│   │   ├── fragment.pp
│   │   ├── init.pp
│   │   └── setup.pp
```

```
|   ├── metadata.json
|   ├── Modulefile
|   ├── Rakefile
|   ├── README.md
|   ├── spec
|   |   ├── spec_helper.rb
|   |   ├── spec_helper_system.rb
|   |   ├── system
|   |   |   ├── basic_spec.rb
|   |   |   ├── concat_spec.rb
|   |   |   ├── deprecation_warnings_spec.rb
|   |   |   ├── empty_spec.rb
|   |   |   ├── fragment_source_spec.rb
|   |   |   ├── replace_spec.rb
|   |   |   ├── symbolic_name_spec.rb
|   |   |   └── warn_spec.rb
...

[root@linuxmaster1poc modules]# puppet module list
/etc/puppet/modules
├── example42-nginx (v2.1.1)
├── example42-puppi (v2.1.7)
├── puppetlabs-concat (v1.1.0-rc1)
└── puppetlabs-stdlib (v4.1.0)

[root@linuxmaster1poc modules]# puppet module list --tree #可现实模块之间的依赖关系
/etc/puppet/modules
└─┬ example42-nginx (v2.1.1)
  ├── example42-puppi (v2.1.7)
  └─┬ puppetlabs-concat (v1.1.0-rc1)
    └── puppetlabs-stdlib (v4.1.0)
```

2.3 升级 nginx 版本至 2.1.2

```
[root@linuxmaster1poc modules]# puppet module upgrade example42/nginx --version
2.1.2
Preparing to upgrade 'example42-nginx' ...
Found 'example42-nginx' (v2.1.1) in /etc/puppet/modules ...
Downloading from http://forge.puppetlabs.com ...
Upgrading -- do not interrupt ...
/etc/puppet/modules
└── example42-nginx (v2.1.1 -> v2.1.2)
```

```
[root@linuxmaster1poc modules]# puppet module list --tree
/etc/puppet/modules
└─┬ example42-nginx (v2.1.2)
  ├── example42-puppi (v2.1.7)
  └─┬ puppetlabs-concat (v1.1.0-rc1)
    └── puppetlabs-stdlib (v4.1.0)
```

2.4 删除安装的 nginx 模块

```
注：依赖模块需要手动删除
[root@linuxmaster1poc modules]# puppet module uninstall example42/nginx
Preparing to uninstall 'example42-nginx' ...
Removed 'example42-nginx' (v2.1.2) from /etc/puppet/modules
[root@linuxmaster1poc modules]# puppet module list --tree
/etc/puppet/modules
├─┬ puppetlabs-concat (v1.1.0-rc1)
│ └── puppetlabs-stdlib (v4.1.0)
└── example42-puppi (v2.1.7)
[root@linuxmaster1poc modules]# puppet module uninstall example42/puppi
Preparing to uninstall 'example42-puppi' ...
Removed 'example42-puppi' (v2.1.7) from /etc/puppet/modules
[root@linuxmaster1poc modules]# puppet module uninstall puppetlabs/concat
Preparing to uninstall 'puppetlabs-concat' ...
Removed 'puppetlabs-concat' (v1.1.0-rc1) from /etc/puppet/modules
[root@linuxmaster1poc modules]# puppet module uninstall puppetlabs/stdlib
Preparing to uninstall 'puppetlabs-stdlib' ...
Removed 'puppetlabs-stdlib' (v4.1.0) from /etc/puppet/modules
[root@linuxmaster1poc modules]# puppet module list --tree
/etc/puppet/modules (no modules installed)
[root@linuxmaster1poc modules]# ll /etc/puppet/modules/
total 0
[root@linuxmaster1poc modules]#
```

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为了能够和大家更好的交流和学习 Puppet，本人 2014 年又新开辟了微信公众号进行交流学习，目前已经有 300 多人同时收听，喜欢 Puppet 的大神们可自行加入哦。

如果你有好的有关 Puppet 的咨询也可以给我投稿，投稿地址：admin@kisspuppet.com

Puppet 运维交流 **QQ** 总群：**296934942**，如有疑问请发邮件至 **admin@kisspuppet.com**

微信公众号："puppet2014"，可搜索加入，也可以扫描以下二维码

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