**使用spec与fpm 2种方式进行rpm打包**

原贴：<http://dl528888.blog.51cto.com/2382721/1540312>

最近分享zabbix与ansible好多，大家看烦了，我也没啥存货了，现在就介绍一下如何进行rpm打包吧。

rpm打包有2个，一个是自己写spec，另外要给是使用ruby的fpm，我个人比较倾向于第二种fpm，这个不需要写spec文件，特简单，不过为了让大家看明白，我分别介绍一下这2款软件是如何进行rpm打包的。

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一、使用spec构建rpm

在构架rpm包的时候，需要经过3个过程

1、解压源码包

2、编译环境configure

3、make

然后再使用check install做rpm包

同时如果在安装rpm包的时候，你想查看安装过程可以使用，rpm -qi --scriptsname.rpm查看

如果在构架脚本或者其他非源码包安装的时候，可以使用rpmbild

1、把脚本目录给tar

2、构架spec

3、rpmbuild

注意的完成最终的工作了。请使用根目录用户身份安装rpmbuild命令。在Red Hat中，请用yum install rpm-build完成这项工作。接下来，请确保所有的文件都呆在正确的地方。Tar存档文件必须位于创建软件包的当前用户帐户的~/rpmbuild /SOURCES 目录下，demo.spec文件必须位于~/rpmbuild/SPECS目录下。现在你可以用rpmbuild -ba test.spec命令来创建软件包了。这会在~/rpmbuild/RPMS目录下创建你的RPM文件。

可以参考

<http://www.linuxidc.com/Linux/2012-05/60278.htm>

<http://blog.csdn.net/cybertan/article/details/5972935>

实例：制作rpm软件包。

准备工作：安装软件：yum install rpm-build

我做的测试是创建一个test-1.0目录，里有个test.txt文件，内容是this is test

A.创建rpm目录

|  |  |
| --- | --- |
| 1 | mkdir -p ~/rpmbuild/{RPMS,SOURCES，SPECS} |

B.创建压缩文件

|  |
| --- |
| 16:02:25 # cd ~/rpmbuild/SOURCES/  root@ip-10-10-10-10:~/rpmbuild/SOURCES  16:05:09 # mkdir test-1.0  root@ip-10-10-10-10:~/rpmbuild/SOURCES  16:05:32 # echo "this is test">test-1.0/test.txt  root@ip-10-10-10-10:~/rpmbuild/SOURCES  16:05:43 # tar zcvf test-1.0.tar.gz test-1.0  test-1.0/  test-1.0/test.txt  root@ip-10-10-10-10:~/rpmbuild/SOURCES  16:05:48 # rm -rf test-1.0  root@ip-10-10-10-10:~/rpmbuild/SOURCES  16:05:52 # ll  total 4  -rw-r--r-- 1 root root 160 Aug 15 16:05 test-1.0.tar.gz |

C.做spec文件内容如下

|  |
| --- |
| 16:06:25 # cat test.spec  Summary:  Test package for dl528888 blog  Name:     test  Version:  1.0  Release:  1  License:  GPL  Group:    test  Source:   %{name}-1.0.tar.gz  BuildRoot:%{\_tmppath}/%{name}-%{version}-%{release}-root  Url:      http://dl528888.blog.51cto.com  Packager: dl528888  Prefix:   %{\_prefix}  Prefix:   %{\_sysconfdir}  %define   userpath /tmp/demo    %description  Justa test rpm suite.    %prep  %setup -c  %install  install -d $RPM\_BUILD\_ROOT%{userpath}  cp -a %{name}\* $RPM\_BUILD\_ROOT%{userpath}    %clean  rm -rf $RPM\_BUILD\_ROOT  rm -rf $RPM\_BUILD\_DIR/%{name}-%{version}    %files  %defattr(-,root,root)  %{userpath} |

D.打成rpm包

|  |
| --- |
| 16:06:36 # rpmbuild -ba test.spec  Executing(%prep): /bin/sh -e /var/tmp/rpm-tmp.8B9UHi  + umask 022  + cd /root/rpmbuild/BUILD  + cd /root/rpmbuild/BUILD  + rm -rf test-1.0  + /bin/mkdir -p test-1.0  + cd test-1.0  + /usr/bin/gzip -dc /root/rpmbuild/SOURCES/test-1.0.tar.gz  + /bin/tar -xvvf -  drwxr-xr-x root/root         0 2014-08-15 16:05 test-1.0/  -rw-r--r-- root/root        13 2014-08-15 16:05 test-1.0/test.txt  + STATUS=0  + '[' 0 -ne 0 ']'  + /bin/chmod -Rf a+rX,u+w,g-w,o-w .  + exit 0  Executing(%install): /bin/sh -e /var/tmp/rpm-tmp.IwUiMh  + umask 022  + cd /root/rpmbuild/BUILD  + cd test-1.0  + install -d /root/rpmbuild/BUILDROOT/test-1.0-1.x86\_64/tmp/demo  + cp -a test-1.0 /root/rpmbuild/BUILDROOT/test-1.0-1.x86\_64/tmp/demo  + /usr/lib/rpm/brp-compress  + /usr/lib/rpm/brp-strip  + /usr/lib/rpm/brp-strip-static-archive  + /usr/lib/rpm/brp-strip-comment-note  Processing files: test-1.0-1.x86\_64  Requires(rpmlib): rpmlib(CompressedFileNames) <= 3.0.4-1 rpmlib(PayloadFilesHavePrefix) <= 4.0-1  Checking for unpackaged file(s): /usr/lib/rpm/check-files /root/rpmbuild/BUILDROOT/test-1.0-1.x86\_64  warning: Could not canonicalize hostname: ip-10-10-10-10  Wrote: /root/rpmbuild/SRPMS/test-1.0-1.src.rpm  Wrote: /root/rpmbuild/RPMS/x86\_64/test-1.0-1.x86\_64.rpm  Executing(%clean): /bin/sh -e /var/tmp/rpm-tmp.IoNP7f  + umask 022  + cd /root/rpmbuild/BUILD  + cd test-1.0  + rm -rf /root/rpmbuild/BUILDROOT/test-1.0-1.x86\_64  + rm -rf /root/rpmbuild/BUILD/test-1.0  + exit 0 |

E.查看rpm包

|  |
| --- |
| 16:07:24 # cd ~/rpmbuild/RPMS/  root@ip-10-10-10-10:~/rpmbuild/RPMS  16:07:54 # ll  total 4  drwxr-xr-x 2 root root 4096 Aug 15 16:07 x86\_64  root@ip-10-10-10-10:~/rpmbuild/RPMS  16:07:54 # cd x86\_64/  root@ip-10-10-10-10:~/rpmbuild/RPMS/x86\_64  16:07:58 # ll  total 4  -rw-r--r-- 1 root root 2020 Aug 15 16:07 test-1.0-1.x86\_64.rpm  root@ip-10-10-10-10:~/rpmbuild/RPMS/x86\_64  16:07:59 # rpm -qpi test-1.0-1.x86\_64.rpm  Name        : test                         Relocations: /usr /etc  Version     : 1.0                               Vendor: (none)  Release     : 1                             Build Date: Fri 15 Aug 2014 04:07:24 PM CST  Install Date: (not installed)               Build Host: ip-10-10-10-10  Group       : test                          Source RPM: test-1.0-1.src.rpm  Size        : 13                               License: GPL  Signature   : (none)  Packager    : dl528888  URL         : http://dl528888.blog.51cto.com  Summary     : Test package for dl528888 blog  Description :  Justa test rpm suite. |

F.安装此rpm包

|  |
| --- |
| 16:08:03 # rpm -ivh test-1.0-1.x86\_64.rpm  Preparing...                ########################################### [100%]     1:test                   ########################################### [100%]  root@ip-10-10-10-10:~/rpmbuild/RPMS/x86\_64  16:08:49 # ll /tmp/demo/  total 4  drwxr-xr-x 2 root root 4096 Aug 15 16:08 test-1.0  root@ip-10-10-10-10:~/rpmbuild/RPMS/x86\_64  16:08:58 # ll /tmp/demo/test-1.0/  total 4  -rw-r--r-- 1 root root 13 Aug 15 16:05 test.txt  root@ip-10-10-10-10:~/rpmbuild/RPMS/x86\_64  16:09:00 # cat /tmp/demo/test-1.0/test.txt  this is test |

可以看到安装完成，并在tmp的demo里解压了test-1.0.tar.gz压缩包。

二、使用ruby的fpm构建rpm包

1、centos安装

|  |
| --- |
| yum install rpm-build  gem install fpm |

2、ubuntu安装

|  |
| --- |
| apt-get install ruby ruby-dev rubygems  gem install fpm |

在centos里安装如下

|  |
| --- |
| 15:34:53 # yum install rpm-build  Failed to set locale, defaulting to C  Loaded plugins: fastestmirror, keys, protectbase  Loading mirror speeds from cached hostfile   \* base: mirrors.btte.net   \* extras: mirrors.btte.net   \* updates: mirrors.btte.net  0 packages excluded due to repository protections  Setting up Install Process  Resolving Dependencies  --> Running transaction check  ---> Package rpm-build.x86\_64 0:4.8.0-37.el6 will be installed  --> Processing Dependency: elfutils >= 0.128 for package: rpm-build-4.8.0-37.el6.x86\_64  --> Processing Dependency: xz for package: rpm-build-4.8.0-37.el6.x86\_64  --> Processing Dependency: unzip for package: rpm-build-4.8.0-37.el6.x86\_64  --> Processing Dependency: lzma for package: rpm-build-4.8.0-37.el6.x86\_64  --> Processing Dependency: file for package: rpm-build-4.8.0-37.el6.x86\_64  --> Processing Dependency: /usr/bin/gdb-add-index for package: rpm-build-4.8.0-37.el6.x86\_64  --> Running transaction check  ---> Package elfutils.x86\_64 0:0.152-1.el6 will be installed  --> Processing Dependency: elfutils-libs(x86-64) = 0.152-1.el6 for package: elfutils-0.152-1.el6.x86\_64  --> Processing Dependency: libdw.so.1(ELFUTILS\_0.149)(64bit) for package: elfutils-0.152-1.el6.x86\_64  --> Processing Dependency: libdw.so.1(ELFUTILS\_0.148)(64bit) for package: elfutils-0.152-1.el6.x86\_64  --> Processing Dependency: libdw.so.1(ELFUTILS\_0.138)(64bit) for package: elfutils-0.152-1.el6.x86\_64  --> Processing Dependency: libdw.so.1(ELFUTILS\_0.127)(64bit) for package: elfutils-0.152-1.el6.x86\_64  --> Processing Dependency: libdw.so.1(ELFUTILS\_0.126)(64bit) for package: elfutils-0.152-1.el6.x86\_64  --> Processing Dependency: libdw.so.1(ELFUTILS\_0.122)(64bit) for package: elfutils-0.152-1.el6.x86\_64  --> Processing Dependency: libasm.so.1(ELFUTILS\_1.0)(64bit) for package: elfutils-0.152-1.el6.x86\_64  --> Processing Dependency: libdw.so.1()(64bit) for package: elfutils-0.152-1.el6.x86\_64  --> Processing Dependency: libasm.so.1()(64bit) for package: elfutils-0.152-1.el6.x86\_64  ---> Package file.x86\_64 0:5.04-15.el6 will be installed  ---> Package gdb.x86\_64 0:7.2-60.el6\_4.1 will be installed  ---> Package unzip.x86\_64 0:6.0-1.el6 will be installed  ---> Package xz.x86\_64 0:4.999.9-0.3.beta.20091007git.el6 will be installed  ---> Package xz-lzma-compat.x86\_64 0:4.999.9-0.3.beta.20091007git.el6 will be installed  --> Running transaction check  ---> Package elfutils-libs.x86\_64 0:0.152-1.el6 will be installed  --> Finished Dependency Resolution    Dependencies Resolved    =========================================================================================   Package                                       Arch                                  Version                                                         Repository                           Size  =========================================================================================  Installing:   rpm-build                                     x86\_64                                4.8.0-37.el6                                                    base                                127 k  Installing for dependencies:   elfutils                                      x86\_64                                0.152-1.el6                                                     base                                201 k   elfutils-libs                                 x86\_64                                0.152-1.el6                                                     base                                181 k   file                                          x86\_64                                5.04-15.el6                                                     base                                 46 k   gdb                                           x86\_64                                7.2-60.el6\_4.1                                                  base                                2.3 M   unzip                                         x86\_64                                6.0-1.el6                                                       base                                149 k   xz                                            x86\_64                                4.999.9-0.3.beta.20091007git.el6                                base                                137 k   xz-lzma-compat                                x86\_64                                4.999.9-0.3.beta.20091007git.el6                                base                                 16 k    Transaction Summary  ========================================================================================  Install       8 Package(s)    Total download size: 3.1 M  Installed size: 7.4 M  Is this ok [y/N]: y  Downloading Packages:  (1/8): elfutils-0.152-1.el6.x86\_64.rpm                                                                                                                                  | 201 kB     00:00  (2/8): elfutils-libs-0.152-1.el6.x86\_64.rpm                                                                                                                             | 181 kB     00:00  (3/8): file-5.04-15.el6.x86\_64.rpm                                                                                                                                      |  46 kB     00:00  (4/8): gdb-7.2-60.el6\_4.1.x86\_64.rpm                                                                                                                                    | 2.3 MB     00:06  (5/8): rpm-build-4.8.0-37.el6.x86\_64.rpm                                                                                                                                | 127 kB     00:00  (6/8): unzip-6.0-1.el6.x86\_64.rpm                                                                                                                                       | 149 kB     00:00  (7/8): xz-4.999.9-0.3.beta.20091007git.el6.x86\_64.rpm                                                                                                                   | 137 kB     00:00  (8/8): xz-lzma-compat-4.999.9-0.3.beta.20091007git.el6.x86\_64.rpm                                                                                                       |  16 kB     00:00  ---------------------------------------------------------------------------------------------------------------------------------------  Total                                                                                                                                                          234 kB/s | 3.1 MB     00:13  Running rpm\_check\_debug  Running Transaction Test  Transaction Test Succeeded  Running Transaction    Installing : xz-4.999.9-0.3.beta.20091007git.el6.x86\_64                                                                                                                                  1/8    Installing : xz-lzma-compat-4.999.9-0.3.beta.20091007git.el6.x86\_64                                                                                                                      2/8    Installing : file-5.04-15.el6.x86\_64                                                                                                                                                     3/8    Installing : gdb-7.2-60.el6\_4.1.x86\_64                                                                                                                                                   4/8    Installing : elfutils-libs-0.152-1.el6.x86\_64                                                                                                                                            5/8    Installing : elfutils-0.152-1.el6.x86\_64                                                                                                                                                 6/8    Installing : unzip-6.0-1.el6.x86\_64                                                                                                                                                      7/8    Installing : rpm-build-4.8.0-37.el6.x86\_64                                                                                                                                               8/8    Verifying  : unzip-6.0-1.el6.x86\_64                                                                                                                                                      1/8    Verifying  : xz-lzma-compat-4.999.9-0.3.beta.20091007git.el6.x86\_64                                                                                                                      2/8    Verifying  : elfutils-libs-0.152-1.el6.x86\_64                                                                                                                                            3/8    Verifying  : gdb-7.2-60.el6\_4.1.x86\_64                                                                                                                                                   4/8    Verifying  : elfutils-0.152-1.el6.x86\_64                                                                                                                                                 5/8    Verifying  : rpm-build-4.8.0-37.el6.x86\_64                                                                                                                                               6/8    Verifying  : file-5.04-15.el6.x86\_64                                                                                                                                                     7/8    Verifying  : xz-4.999.9-0.3.beta.20091007git.el6.x86\_64                                                                                                                                  8/8    Installed:    rpm-build.x86\_64 0:4.8.0-37.el6    Dependency Installed:    elfutils.x86\_64 0:0.152-1.el6                 elfutils-libs.x86\_64 0:0.152-1.el6                        file.x86\_64 0:5.04-15.el6  gdb.x86\_64 0:7.2-60.el6\_4.1  unzip.x86\_64 0:6.0-1.el6    xz.x86\_64 0:4.999.9-0.3.beta.20091007git.el6  xz-lzma-compat.x86\_64 0:4.999.9-0.3.beta.20091007git.el6    Complete!    15:35:21 # gem install fpm  /usr/local/ruby-1.9.3/lib/ruby/1.9.1/yaml.rb:56:in `<top (required)>':  It seems your ruby installation is missing psych (for YAML output).  To eliminate this warning, please install libyaml and reinstall your ruby.  Fetching: json-1.8.1.gem (100%)  Building native extensions.  This could take a while...  Fetching: cabin-0.6.1.gem (100%)  Fetching: backports-3.6.0.gem (100%)  Fetching: arr-pm-0.0.9.gem (100%)  Fetching: clamp-0.6.3.gem (100%)  Fetching: ffi-1.9.3.gem (100%)  Building native extensions.  This could take a while...  Fetching: childprocess-0.5.3.gem (100%)  Fetching: fpm-1.1.0.gem (100%)  Successfully installed json-1.8.1  Successfully installed cabin-0.6.1  Successfully installed backports-3.6.0  Successfully installed arr-pm-0.0.9  Successfully installed clamp-0.6.3  Successfully installed ffi-1.9.3  Successfully installed childprocess-0.5.3  Successfully installed fpm-1.1.0  8 gems installed  Installing ri documentation for json-1.8.1...  Installing ri documentation for cabin-0.6.1...  Installing ri documentation for backports-3.6.0...  unable to convert U+00E9 from UTF-8 to US-ASCII for lib/backports/force/string\_length.rb, skipping  unable to convert U+00E9 from UTF-8 to US-ASCII for lib/backports/1.9.2/stdlib/matrix.rb, skipping  Installing ri documentation for arr-pm-0.0.9...  Installing ri documentation for clamp-0.6.3...  Installing ri documentation for ffi-1.9.3...  unable to convert "\xE2" to UTF-8 in conversion from ASCII-8BIT to UTF-8 to US-ASCII for lib/ffi/library.rb, skipping  Enclosing class/module 'moduleFFI' for class StructByValue not known  Enclosing class/module 'moduleFFI' for class StructLayout not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class Field not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class Number not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class String not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class Pointer not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class Function not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class Array not known  Enclosing class/module 'moduleFFI' for module LastError not known  Enclosing class/module 'moduleFFI' for class MemoryPointer not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class CharArray not known  Enclosing class/module "rbffi\_StructLayoutCharArrayClass" for alias to\_str to\_s not known  unable to convert "\xC3" to UTF-8 in conversion from ASCII-8BIT to UTF-8 to US-ASCII for ext/ffi\_c/libffi/ChangeLog, skipping  unable to convert "\xC3" to UTF-8 in conversion from ASCII-8BIT to UTF-8 to US-ASCII for ext/ffi\_c/libffi/README, skipping  Installing ri documentation for childprocess-0.5.3...  Installing ri documentation for fpm-1.1.0...  Installing RDoc documentation for json-1.8.1...  Installing RDoc documentation for cabin-0.6.1...  Installing RDoc documentation for backports-3.6.0...  unable to convert U+00E9 from UTF-8 to US-ASCII for lib/backports/force/string\_length.rb, skipping  unable to convert U+00E9 from UTF-8 to US-ASCII for lib/backports/1.9.2/stdlib/matrix.rb, skipping  Installing RDoc documentation for arr-pm-0.0.9...  Installing RDoc documentation for clamp-0.6.3...  Installing RDoc documentation for ffi-1.9.3...  unable to convert "\xE2" to UTF-8 in conversion from ASCII-8BIT to UTF-8 to US-ASCII for lib/ffi/library.rb, skipping  Enclosing class/module 'moduleFFI' for class StructByValue not known  Enclosing class/module 'moduleFFI' for class StructLayout not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class Field not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class Number not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class String not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class Pointer not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class Function not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class Array not known  Enclosing class/module 'moduleFFI' for module LastError not known  Enclosing class/module 'moduleFFI' for class MemoryPointer not known  Enclosing class/module 'rbffi\_StructLayoutClass' for class CharArray not known  Enclosing class/module "rbffi\_StructLayoutCharArrayClass" for alias to\_str to\_s not known  unable to convert "\xC3" to UTF-8 in conversion from ASCII-8BIT to UTF-8 to US-ASCII for ext/ffi\_c/libffi/ChangeLog, skipping  unable to convert "\xC3" to UTF-8 in conversion from ASCII-8BIT to UTF-8 to US-ASCII for ext/ffi\_c/libffi/README, skipping  Installing RDoc documentation for childprocess-0.5.3...  Installing RDoc documentation for fpm-1.1.0...  15:45:31 # find / -name "fpm"  /usr/local/ruby-1.9.3/lib/ruby/gems/1.9.1/doc/fpm-1.1.0/rdoc/lib/fpm  /usr/local/ruby-1.9.3/lib/ruby/gems/1.9.1/gems/fpm-1.1.0/lib/fpm  /usr/local/ruby-1.9.3/lib/ruby/gems/1.9.1/gems/fpm-1.1.0/bin/fpm  /usr/local/ruby-1.9.3/bin/fpm  /usr/local/php-5.3.10/share/php/fpm  root@e3d3e87fbfd7:~  15:45:46 # ln  /usr/local/ruby-1.9.3/bin/fpm /usr/bin/fpm |

下面是安装脚本内容

|  |
| --- |
| 16:10:45# cat install\_for\_rpm.sh  #!/bin/bash  mkdir/tmp/fpm  echo"this is test for rpm" >/tmp/fpm/test.txt |

下面是在进行rpm安装的时候，安装后运行的脚本

|  |
| --- |
| root@e3d3e87fbfd7:~16:10:48# cat run\_rpm.sh  #!/bin/bash  /bin/bash/tmp/install\_for\_rpm.sh |

也就是说，rpm包安装后，会运行我这个run\_rpm.sh脚本，然后这个脚本会运行install\_for\_fpm.sh脚本。下面是打包过程

|  |
| --- |
| root@e3d3e87fbfd7:~16:13:21 # fpm -s dir --prefix /tmp/ -t rpm -n test\_rpm --verbose --version '2014'  --iteration '1.0'   --vendor '244979152@qq.com' --category 'Development/test'   --description 'Rpm  Install' --url 'qq.com' --license 'BSD' -m 'denglei' --after-install run\_rpm.sh install\_for\_rpm.sh  /usr/local/ruby-1.9.3/lib/ruby/1.9.1/yaml.rb:56:in `<top (required)>':  It seems your ruby installation is missing psych (for YAML output).  To eliminate this warning, please install libyaml and reinstall your ruby.  Setting from flags: category=Development/test {:level=>:info}  Setting from flags: description=Rpm  Install {:level=>:info}  Setting from flags: epoch= {:level=>:info}  Setting from flags: iteration=1.0 {:level=>:info}  Setting from flags: license=BSD {:level=>:info}  Setting from flags: maintainer=denglei {:level=>:info}  Setting from flags: name=test\_rpm {:level=>:info}  Setting from flags: url=qq.com {:level=>:info}  Setting from flags: vendor=244979152@qq.com {:level=>:info}  Setting from flags: version=2014 {:level=>:info}  Converting dir to rpm {:level=>:info}  no value for epoch is set, defaulting to nil {:level=>:warn}  Reading template {:path=>"/usr/local/ruby-1.9.3/lib/ruby/gems/1.9.1/gems/fpm-1.1.0/templates/rpm.erb", :level=>:info}  no value for epoch is set, defaulting to nil {:level=>:warn}  Running rpmbuild {:args=>["rpmbuild", "-bb", "--define", "buildroot /tmp/package-rpm-build20140704-5378-1sbkpgd/BUILD", "--define", "\_topdir /tmp/package-rpm-build20140704-5378-1sbkpgd", "--define", "\_sourcedir /tmp/package-rpm-build20140704-5378-1sbkpgd", "--define", "\_rpmdir /tmp/package-rpm-build20140704-5378-1sbkpgd/RPMS", "/tmp/package-rpm-build20140704-5378-1sbkpgd/SPECS/test\_rpm.spec"], :level=>:info}  Executing(%prep): /bin/sh -e /var/tmp/rpm-tmp.w21bbk {:level=>:info}  Executing(%build): /bin/sh -e /var/tmp/rpm-tmp.FNduT3 {:level=>:info}  Executing(%install): /bin/sh -e /var/tmp/rpm-tmp.Cdf5BN {:level=>:info}  Processing files: test\_rpm-2014-1.0.x86\_64 {:level=>:info}  Wrote: /tmp/package-rpm-build20140704-5378-1sbkpgd/RPMS/x86\_64/test\_rpm-2014-1.0.x86\_64.rpm {:level=>:info}  Executing(%clean): /bin/sh -e /var/tmp/rpm-tmp.mv993g {:level=>:info}  Created package {:path=>"test\_rpm-2014-1.0.x86\_64.rpm"}  16:05:47# ll /root/  total8  -rw-r--r--1 root root   74 Jul  4 16:02 install\_for\_rpm.sh  -rw-r--r--1 root root 1709 Jul  4 16:05 test\_rpm-2014-1.0.x86\_64.rpm |

可以看到，有个rpm文件生产，名字是test\_rpm-2014-1.0.x86\_64.rpm

下面安装rpm的过程

|  |
| --- |
| 16:14:21# ll /tmp/  total96  lrwxrwxrwx1 root root    30 Jul  3 13:29 mysql.sock ->/data/mysql/datadir/mysql.sock  drwxr-xr-x2 root root  4096 Jul  4 16:12 root  -rw-------1 root root   256 Jun  5 10:17 tmp.GbE4cEGjO7  -rw-------1 root root 32379 Jul  3 17:27 yum\_save\_tx-2014-07-03-17-27UiVNzL.yumtx  -rw-------1 root root 27578 Jul  3 17:29 yum\_save\_tx-2014-07-03-17-29nffpfF.yumtx  -rw-------1 root root 27578 Jul  3 17:41 yum\_save\_tx-2014-07-03-17-41S1tFIE.yumtx |

可以看到tmp目录里没有fpm目录，现在开始安装

|  |
| --- |
| root@e3d3e87fbfd7:~  16:14:24 # rpm -ivh test\_rpm-2014-1.0.x86\_64.rpm  Preparing...                ########################################### [100%]     1:test\_rpm               ########################################### [100%]  root@e3d3e87fbfd7:~  16:14:27 # ll /tmp/  total 104  drwxr-xr-x 2 root root  4096 Jul  4 16:14 fpm  -rw-r--r-- 1 root root    74 Jul  4 16:14 install\_for\_rpm.sh  lrwxrwxrwx 1 root root    30 Jul  3 13:29 mysql.sock -> /data/mysql/datadir/mysql.sock  drwxr-xr-x 2 root root  4096 Jul  4 16:12 root  -rw------- 1 root root   256 Jun  5 10:17 tmp.GbE4cEGjO7  -rw------- 1 root root 32379 Jul  3 17:27 yum\_save\_tx-2014-07-03-17-27UiVNzL.yumtx  -rw------- 1 root root 27578 Jul  3 17:29 yum\_save\_tx-2014-07-03-17-29nffpfF.yumtx  -rw------- 1 root root 27578 Jul  3 17:41 yum\_save\_tx-2014-07-03-17-41S1tFIE.yumtx  root@e3d3e87fbfd7:~  16:14:29 # ll /tmp/fpm/  total 4  -rw-r--r-- 1 root root 21 Jul  4 16:14 test.txt  root@e3d3e87fbfd7:~  16:15:00 # cat /tmp/fpm/test.txt  this is test for rpm |

可以看到安装后，tmp目录有了fpm目录，并且这个目录里有了test.txt文件。

rpm打包完成后，你可以使用ansible或者salt等软件来进行配置管理，或者你可以自己弄个本地yum源，rpm包放到yum源里让其他人下载也行，本文没有介绍太深入知识，只是个普及，所以有那块不懂的可以自行网上寻找。