

yum常用命令

——查询软件与缓存操作

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1. 查询软件常用命令

(1) yum search 软件包名

- ◆ yum list

(2) yum list

- ◆ yum list 软件包名

- ◆ yum list installed/updates/extras

(3) yum info

- ◆ yum info

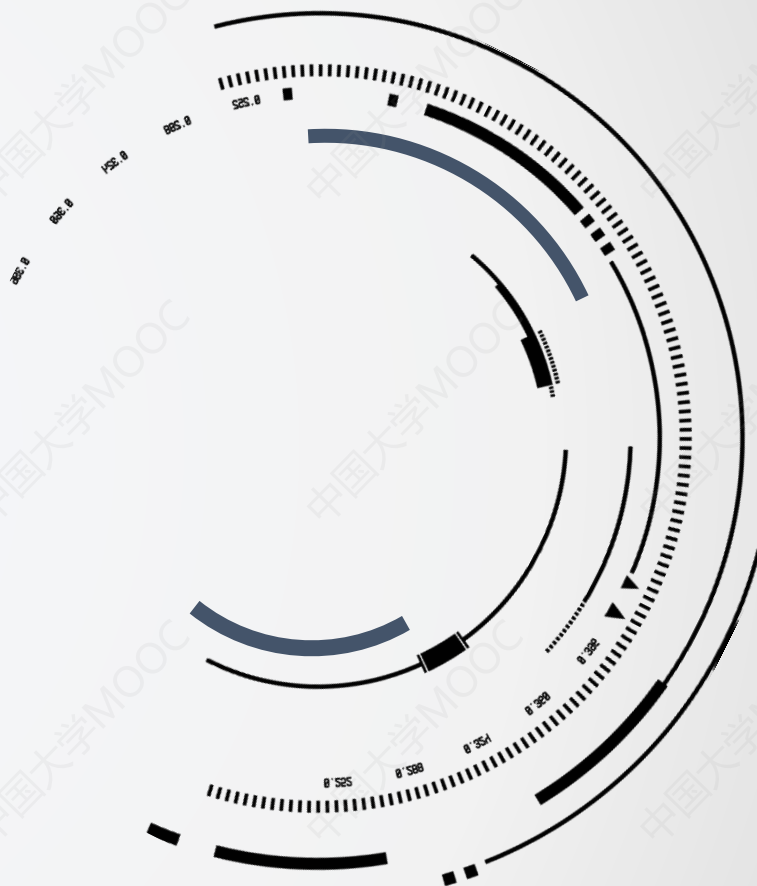
- ◆ yum info 软件包名

- ◆ yum info installed/updates/extras



2. 缓存操作常用命令

- ◆ yum clean all
- ◆ yum makecache



yum search 软件包名

查找匹配特定字符的软件包

```
[root@ccit ~]# yum search http
```

```
Loaded plugins: fastestmirror
```

```
Loading mirror speeds from cached hostfile
```

```
* epel: hkg.mirror.rackspace.com
```

```
===== N/S matched: http =====
```

```
darkhttpd.x86_64 : A secure, lightweight, fast, single-threaded HTTP/1.1 server
```

```
dmlite-apache-httpd.x86_64 : Apache HTTPD frontend for dmlite
```

```
dynafed-http-plugin.x86_64 : Http and WebDav plugin for dynafed
```

```
fts-rest-http-authz-signed-cert.noarch : FTS3 Rest HTTP_AUTHORIZATION signed-cert method
```

```
gfal2-plugin-http.x86_64 : Provides the HTTP/DAV support for gfal2
```

```
ghc-HTTP.x86_64 : A library for client-side HTTP
```

```
ghc-HTTP-devel.x86_64 : Haskell HTTP library development files
```

```
ghc-http-date.x86_64 : HTTP Date parser and formatter
```

```
ghc-http-date-devel.x86_64 : Haskell http-date library development files
```

```
ghc-http-types.x86_64 : Generic HTTP types for Haskell
```

```
ghc-http-types-devel.x86_64 : Haskell http-types library development files
```

```
http-parser.i686 : HTTP request/response parser for C
```

```
http-parser.x86_64 : HTTP request/response parser for C
```

```
httpcomponents-project.noarch : Common POM file for HttpComponents
```

```
httpd.x86_64 : Apache HTTP Server
```



yum list命令 —— 查询仓库中对应的**rpm软件包**

◆ yum list

查询仓库中所有已安装、可更新的rpm包

◆ yum list 软件包名

查询仓库中指定软件包名的rpm包

◆ yum list 关键字

installed: 查询仓库中已安装的rpm包

updates: 查询仓库中可更新的rpm包

extras: 查询已安装但不在仓库中的rpm包



yum info命令 —— 查询仓库中对应的**rpm软件包**的**具体信息**

◆ yum info

查询仓库中所有已安装、可更新的rpm包的**具体信息**

◆ yum info 软件包名

查询仓库中指定软件包名的rpm包的**具体信息**

◆ yum info 关键字

installed: 查询仓库中已安装的rpm包的**具体信息**

updates: 查询仓库中可更新的rpm包的**具体信息**

extras: 查询已安装但不在仓库中的rpm包的**具体信息**



yum list命令 (列出软件包)

```
[root@ccit ~]# yum list python
```

```
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
* epel: mirrors.bfsu.edu.cn
Installed Packages
python.x86_64
Available Packages
python.x86_64
```

yum info命令 (列出软件包的具体信息)

```
[root@ccit ~]# yum info python
```

```
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
* epel: mirrors.bfsu.edu.cn
Installed Packages
Name       : python
Arch        : x86_64
Version     : 2.7.5
Release     : 68.el7
Size        : 79 k
Repo        : installed
From repo   : anaconda
Summary     : An interpreted, interactive, object-oriented programming language
URL         : http://www.python.org/
License     : Python
Description : Python is an interpreted, interactive, object-oriented programming
              language often compared to Tcl, Perl, Scheme or Java. Python includes
              modules, classes, exceptions, very high level dynamic data types and
              dynamic typing. Python supports interfaces to many system calls and
```



yum会将下载的软件包和头文件存储在缓存中

◆ yum clean all:

——清除**缓存目录**下的所有数据

/var/cache/yum

◆ yum makecache:

——生成缓存，提高查找、安装软件的速度



操作演示



第一类查询命令：yum search

```
[root@ccit ~]# yum search http
```

1 查找包含http字符串的软件包

```
ghc-http-date.x86_64 : HTTP Date parser and formatter
ghc-http-date-devel.x86_64 : Haskell http-date library development files
ghc-http-types.x86_64 : Generic HTTP types for Haskell
ghc-http-types-devel.x86_64 : Haskell http-types library development files
http-parser.i686 : HTTP request/response parser for C
http-parser.x86_64 : HTTP request/response parser for C
http-parser-devel.i686 : Development headers and libraries for http-parser
http-parser-devel.x86_64 : Development headers and libraries for http-parser
httpcomponents-client.noarch : HTTP agent implementation based on httpcomponents HttpCore
httpcomponents-client-javadoc.noarch : API documentation for httpcomponents-client
httpcomponents-core.noarch : Set of low level Java HTTP transport components for HTTP services
httpcomponents-core-javadoc.noarch : API documentation for httpcomponents-core
httpcomponents-project.noarch : Common POM file for HttpComponents
httpd.x86_64 : Apache HTTP Server
httpd-devel.x86_64 : Development interfaces for the Apache HTTP server
httpd-itk.x86_64 : MPM Itk for Apache HTTP Server
httpd-manual.noarch : Documentation for the Apache HTTP server
httpd-tools.x86_64 : Tools for use with the Apache HTTP Server
httping.x86_64 : Ping alike tool for http requests
httptest.x86_64 : HTTP stress & benchmark utility
httprr.x86_64 : A specialized packet sniffer designed for displaying and logging HTTP traffic
```

1 Apache HTTP服务安装软件包

仅将文本发送到当前选项卡

已连接 192.168.200.100:22

SSH2 xterm 103x21 21,16 1会话 CAP NUM



第二类查询命令：yum list

```

rubygem-multipart-post.noarch : Creates a multipart form post accessory for Net::HTTP
rubygem-rack-cache.noarch : HTTP Caching for Rack
rubygem-vcr.noarch : Record test suite HTTP interactions and replay during future test runs
rubygem-webmock.noarch : Library for stubbing HTTP requests in Ruby
siege.x86_64 : A HTTP regression testing and benchmarking utility
slowhttptest.x86_64 : An Application Layer DoS attack simulator
systemd-journal-gateway.x86_64 : Gateway for serving journal events over the network using HTTP
sysusage-httpd.noarch : Apache configuration for sysusage
tinyproxy.x86_64 : A small, efficient HTTP/SSL proxy daemon
tlssled.noarch : An evaluation tool for SSL/TLS (HTTPS) web server implementations
varnish.x86_64 : High-performance HTTP accelerator
viewvc-httpd-fcgi.noarch : ViewVC configuration for Apache/mod_fcgid
viewvc-httpd-wsgi.noarch : ViewVC configuration for Apache/mod_wsgi
wbox.x86_64 : HTTP testing tool and configuration-less HTTP server
wget.x86_64 : A utility for retrieving files using the HTTP or FTP protocols
xmlrpc-c.i686 : A lightweight RPC library based on XML and HTTP
xmlrpc-c.x86_64 : A lightweight RPC library based on XML and HTTP

```

Name and summary matches **only**, use "search all" for everything.

```
[root@ccit ~]# yum list
```

查询所有可安装和更新的软件

仅将文本发送到当前选项卡

已连接 192.168.200.100:22,

SSH2 xterm 103x21 21,1 1会话 CAP, NL




```
[root@ccit ~]# yum list python ① 查询python的软件包
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
* epel: mirrors.bfsu.edu.cn
```

```
Installed Packages ② 已安装的python软件包
python.x86_64 2.7.5-68.el7 @anaconda

Available Packages ③ 可更新的python软件包
python.x86_64 2.7.5-90.el7 updates
```

```
[root@ccit ~]# yum list installed ① 列出所有已安装软件包
```

```
xmlsec1-openssl.x86_64 1.2.20-7.el7_4 @anaconda
xorg-x11-font-utils.x86_64 1:7.5-21.el7 @c7-media
xorg-x11-fonts-Type1.noarch 7.5-9.el7 @c7-media
xz.x86_64 5.2.2-1.el7 @anaconda
xz-libs.x86_64 5.2.2-1.el7 @anaconda
yum.noarch 3.4.3-158.el7.centos @anaconda
yum-metadata-parser.x86_64 1.1.4-10.el7 @anaconda
yum-plugin-fastestmirror.noarch 1.1.31-45.el7 @anaconda
zlib.x86_64 1.2.7-17.el7 @anaconda
```

```
[root@ccit ~]# yum list updates ① 列出所有可更新的软件包
```

仅将文本发送到当前选项卡

```
tomcat-jsp-2.2-api.noarch 7.0.76-16.el7_9 updates
tomcat-lib.noarch 7.0.76-16.el7_9 updates
tomcat-servlet-3.0-api.noarch 7.0.76-16.el7_9 updates
tuned.noarch 2.11.0-10.el7 updates
tzdata.noarch 2020d-2.el7 updates
tzdata-java.noarch 2020d-2.el7 updates
util-linux.x86_64 2.23.2-65.el7 base
vim-common.x86_64 2:7.4.629-8.el7_9 updates
vim-enhanced.x86_64 2:7.4.629-8.el7_9 updates
vim-filesystem.x86_64 2:7.4.629-8.el7_9 updates
vim-minimal.x86_64 2:7.4.629-8.el7_9 updates
wpa_supplicant.x86_64 1:2.6-12.el7 base
xfsprogs.x86_64 4.5.0-22.el7 base
yum.noarch 3.4.3-168.el7.centos base
yum-plugin-fastestmirror.noarch 1.1.31-54.el7_8 base
zlib.x86_64 1.2.7-18.el7 base
```

```
[root@ccit ~]# yum list extras ① 列出所有已安装但不在仓库中的软件包
```

```
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
* epel: mirrors.bfsu.edu.cn
```

仅将文本发送到当前选项卡

已连接 192.168.200.100:22.

SSH2 xterm 103x21 21,1 会话 CAP N





第三类查询命令：yum info

```
tar.x86_64                2:1.26-34.el7          @anaconda
teamd.x86_64              1.27-4.el7             @anaconda
tomcat.noarch             7.0.76-7.el7_5         @c7-media
tomcat-el-2.2-api.noarch  7.0.76-7.el7_5         @c7-media
tomcat-jsp-2.2-api.noarch 7.0.76-7.el7_5         @c7-media
tomcat-lib.noarch         7.0.76-7.el7_5         @c7-media
tomcat-servlet-3.0-api.noarch 7.0.76-7.el7_5         @c7-media
tuned.noarch              2.9.0-1.el7            @anaconda
tzdata.noarch             2018c-1.el7            @anaconda
tzdata-java.noarch        2018e-3.el7            @c7-media
util-linux.x86_64         2.23.2-52.el7          @anaconda
vim-common.x86_64         2:7.4.629-6.el7        @base
vim-enhanced.x86_64       2:7.4.629-6.el7        @base
vim-filesystem.x86_64     2:7.4.629-6.el7        @base
vim-minimal.x86_64        2:7.4.160-4.el7        @anaconda
wpa_supplicant.x86_64     1:2.6-9.el7            @anaconda
xfsprogs.x86_64           4.5.0-15.el7           @anaconda
yum.noarch                3.4.3-158.el7.centos   @anaconda
yum-plugin-fastestmirror.noarch 1.1.31-45.el7         @anaconda
zlib.x86_64               1.2.7-17.el7           @anaconda
```

[root@ccit ~]# yum info

1 列出所有可安装、可更新的软件包

```
teamd.x86_64              1.27-4.el7             @anaconda
tomcat.noarch             7.0.76-7.el7_5         @c7-media
tomcat-el-2.2-api.noarch  7.0.76-7.el7_5         @c7-media
tomcat-jsp-2.2-api.noarch 7.0.76-7.el7_5         @c7-media
tomcat-lib.noarch         7.0.76-7.el7_5         @c7-media
tomcat-servlet-3.0-api.noarch 7.0.76-7.el7_5         @c7-media
tuned.noarch              2.9.0-1.el7            @anaconda
tzdata.noarch             2018c-1.el7            @anaconda
tzdata-java.noarch        2018e-3.el7            @c7-media
util-linux.x86_64         2.23.2-52.el7          @anaconda
vim-common.x86_64         2:7.4.629-6.el7        @base
vim-enhanced.x86_64       2:7.4.629-6.el7        @base
vim-filesystem.x86_64     2:7.4.629-6.el7        @base
vim-minimal.x86_64        2:7.4.160-4.el7        @anaconda
wpa_supplicant.x86_64     1:2.6-9.el7            @anaconda
xfsprogs.x86_64           4.5.0-15.el7           @anaconda
yum.noarch                3.4.3-158.el7.centos   @anaconda
yum-plugin-fastestmirror.noarch 1.1.31-45.el7         @anaconda
zlib.x86_64               1.2.7-17.el7           @anaconda
```

[root@ccit ~]# yum info python

1 列出python软件包的详细信息



第三类查询命令：yum info

```
: Mac and MFC).
:
: Programmers can write new built-in modules for Python in C or C++.
: Python can be used as an extension language for applications that need
: a programmable interface.
:
: Note that documentation for Python is provided in the python-docs
: package.
:
: This package provides the "python" executable; most of the actual
: implementation is within the "python-libs" package.

< >

[root@ccit ~]# yum list python ① 仅列出指定的软件包
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
* epel: mirrors.bfsu.edu.cn
Installed Packages
python.x86_64                2.7.5-68.el7                @anaconda
Available Packages
python.x86_64                2.7.5-90.el7                updates
[root@ccit ~]# █
```



第三类查询命令：yum info

```
      : package.  
      :  
      : This package provides the "python" executable; most of the actual  
      : implementation is within the "python-libs" package.  
Available Packages  
Name       : python  
Arch       : x86_64  
Version    : 2.7.5  
Release    : 90.el7  
Size       : 96 k  
Repo       : updates/7/x86_64  
Summary    : An interpreted, interactive, object-oriented programming language  
URL        : http://www.python.org/  
License    : Python  
Description: Python is an interpreted, interactive, object-oriented programming  
            : language often compared to Tcl, Perl, Scheme or Java. Python includes  
            : modules, classes, exceptions, very high level dynamic data types and  
            : dynamic typing. Python supports interfaces to many system calls and  
            : libraries, as well as to various windowing systems (X11, Motif, Tk,  
            : Mac and MFC).
```

1 可更新的python软件包详细信息

2 软件包版本

3 软件包大小

4 软件包的仓库名

5 软件包描述



缓存操作命令：yum clean all



缓存操作命令：yum makecache



感谢您的观看!

