

RPM, YUM - bleskove zaklady

Jiri Kubina

jiri.kubina@osu.cz

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Obsah

1 .RPM

2 .YUM

3.Pouzite zdroje a nástroje

Upozorneni: Vetsina popisovanych ukazek je zjednodusena, nebo zkracena z vyukovych duvodu. Pro ziskani kompletnich informaci pouzijte man.

1. RPM

Neumi vyresit zavislosti mezi balicky. Je nutne instalovat balicky v presnem poradí.

Instalace balicku

```
rpm -i iftop-0.16-0.2.el4.rf.i386.rpm
```

Odstraneni balicku

```
rpm -e iftop
```

Pokud nastanou problemy se zavislostmi a rpm tvrdi neco jineho nez je pravda, lze provest rebuild rpm databaze.

```
rpm --rebuilddb
```

Import GPG klíče pro kontrolu integrity balíčku.

```
rpm --import umístění_klíče
```

Například import GPG klíče pro repozitář DAG provedeme tímto příkazem:

```
rpm --import http://dag.wieers.com/packages/RPM-GPG-KEY.dag.txt
```

Dotazy na balicek

```
[root@neo /]# rpm -q iftop
```

```
iftop-0.16-0.2.el4.rf
```

```
[root@neo /]# rpm -qi iftop
```

```
Name           : iftop                               Relocations: (not relocatable)
Version        : 0.16                               Vendor: Dag Apt Repository,
http://dag.wieers.com/apt/
Release       : 0.2.el4.rf                           Build Date: Thu 17 Feb 2005 02:59:26
PM CET
Install Date: Thu 02 Feb 2006 08:03:51 AM CET       Build Host:
lise.leuven.wieers.com
Group         : Applications/System                 Source RPM: iftop-0.16-
0.2.el4.rf.src.rpm
Size          : 55023                               License: GPL
Signature     : DSA/SHA1, Thu 17 Feb 2005 04:10:05 PM CET, Key ID a20e52146b8d79e6
Packager      : Dag Wieers <dag@wieers.com>
URL           : http://www.ex-parrot.com/~pdw/iftop/
Summary      : Display bandwidth usage on an interface
Description   :
iftop does for network usage what top(1) does for CPU usage. It listens
to network traffic on a named interface and displays a table of current
bandwidth usage by pairs of hosts. Handy for answering the question
"why is our ADSL link so slow?".
```

```
[root@neo /]# rpm -ql iftop
/usr/sbin/iftop
/usr/share/man/man8/iftop.8.gz
```

```
[root@neo /]# rpm -qf /usr/sbin/iftop
iftop-0.16-0.2.el4.rf
```

```
[root@neo /]# rpm -qa | grep if
libtiff-3.6.1-8
libexif-0.5.12-5.1
diffstat-1.31-5
libungif-4.1.3-1.el4.2
iftop-0.16-0.2.el4.rf
startup-notification-0.7-1
diffutils-2.8.1-12
```

2. YUM

Umi vyresit zavislosti mezi balicky. Balicky vyhledava v prednastavenych repozitarich. Tzn. kolik repozitaru mu zadame, tolik jich bude prohledavat.

V nasem pripade je konfiguracni soubor umisten zde:

```
/etc/yum.repos.d/CentOS-Base.repo
```

Pridame si do nej slusne zasobeny repozitar, který nam usetri spoustu práce. Na konec souboru doplnime tyto radky /repo DAG/:

```
[dag]
name=Dag RPM Repository for Red Hat Enterprise Linux and CentOS
baseurl=http://apt.sw.be/redhat/el$releasever/en/$basearch/dag
gpgcheck=1
enabled=1
```

Instalace balicku

Pokud nevime jak se balicek presne jmenuje **hledame**.

```
[root@neo /]# yum list | grep wifi
python-wifi.noarch           0.2-1.2.el4.rf           dag
wifidog.i386                 1.1.2-1.2.el4.rf        dag
wifidog-devel.i386          1.1.2-1.2.el4.rf        dag
wifiscanner.i386            0.9.6-1.2.el4.rf        dag
```

Pro **vyhledani** stejneho balicku v **ruznych repozitarich**.

```
[root@neo /]# yum search ebttables
```

Pokud znamo jmeno balicku pak **instalujeme**.

```
[root@neo /]# yum install wifidog
Setting up Install Process
Setting up repositories
dag           100% |=====| 1.1 kB    00:00
update       100% |=====| 951 B     00:00
base         100% |=====| 1.1 kB    00:00
addons       100% |=====| 951 B     00:00
extras       100% |=====| 1.1 kB    00:00
```



```

Reading repository metadata in from local files
Parsing package install arguments
Resolving Dependencies
--> Populating transaction set with selected packages. Please wait.
---> Downloading header for wifidog to pack into transaction set.
wifidog-1.1.2-1.2.el4.rf. 100% |=====| 17 kB 00:00
---> Package wifidog.i386 0:1.1.2-1.2.el4.rf set to be updated
--> Running transaction check

```

Dependencies Resolved

```

=====
Package                Arch      Version      Repository    Size
=====
Installing:
wifidog                i386     1.1.2-1.2.el4.rf  dag          220 k

```

Transaction Summary

```

=====
Install      1 Package(s)
Update      0 Package(s)
Remove      0 Package(s)
Total download size: 220 k
Is this ok [y/N]: y
Downloading Packages:
(1/1): wifidog-1.1.2-1.2. 100% |=====| 220 kB 00:00
Running Transaction Test
Finished Transaction Test
Transaction Test Succeeded
Running Transaction

```

Installing: wifidog

[1/1]

Installed: wifidog.i386 0:1.1.2-1.2.el4.rf
Complete!

Update systemu

A pomoci nastroje YUM se nam pomerne snadno udrzuje system aktualni.

Pokud se chceme nejdrive podivat co vsechno se bude aktualizovat.

yum check-update

Nasledne pro samotnou aktualizaci.

yum update

9. Pouzite zdroje a nastroje

Zdroje

- [man rpm](#)
- [man yum](#)

Nastroje

- rpm
- yum

DeKuji za pozornost