Subject: yum install vzkernel
Posted by Rene on Wed, 16 Nov 2011 05:42:59 GMT
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When I run "yum install vzkernel" yum offers to delete the second-oldest version. Very practical, but I'd like to keep a few older versions than just one. How do I do that? I don't see anything in openvz.repo that would do that.

Quote:
yum install vzkernel
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package vzkernel.x86_64 0:2.6.32-042stab042.1 will be installed
--> Finished Dependency Resolution
--> Running transaction check
---> Package vzkernel.x86_64 0:2.6.32-042stab037.1 will be erased
--> Finished Dependency Resolution

Dependencies Resolved

```
 ================================================================================
 Package        Arch        Version                  Repository                  Size
 ================================================================================
Installing:
 vzkernel       x86_64      2.6.32-042stab042.1      openvz-kernel-rhel6-testing 25 M
Removing:
 vzkernel       x86_64      2.6.32-042stab037.1      @openvz-kernel-rhel6        110 M

Transaction Summary
 ================================================================================
Install       1 Package(s)
Remove        1 Package(s)

Total download size: 25 M
Is this ok [y/N]:
Exiting on user Command
Complete!
```

Subject: Re: yum install vzkernel
Posted by azagzin on Wed, 16 Nov 2011 07:47:29 GMT

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"man yum" will help you

Subject: Re: yum install vzkernel
Posted by Rene on Wed, 16 Nov 2011 11:01:20 GMT
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Yeah thanks. I obviously tried that already. Can you be a little more specific. What am I looking for?

Subject: Re: yum install vzkernel
Posted by azagzin on Wed, 16 Nov 2011 11:43:16 GMT
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try to use yum update when you want to save your previous kernel.
yum install kernel, will always delete oldest one.

Subject: Re: yum install vzkernel
Posted by Rene on Thu, 17 Nov 2011 03:19:48 GMT
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Thanks, but that makes no difference:

Quote:
yum update vzkernel
Loaded plugins: presto
Setting up Update Process
Resolving Dependencies
--> Running transaction check
---> Package vzkernel.x86_64 0:2.6.32-042stab039.11 will be installed
--> Finished Dependency Resolution
--> Running transaction check
---> Package vzkernel.x86_64 0:2.6.32-042stab037.1 will be erased
--> Finished Dependency Resolution

Dependencies Resolved

```
  ================================================================
=========================================
 Package        Arch         Version                Repository                Size
  ================================================================
=========================================
```

```
Installing:
 vzkernel        x86_64        2.6.32-042stab039.11        openvz-kernel-rhel6          25 M
Removing:
 vzkernel        x86_64        2.6.32-042stab037.1         @openvz-kernel-rhel6/6       110 M

Transaction Summary
  ================================================================
================================================
Install       1 Package(s)
Remove        1 Package(s)

Total download size: 25 M
Is this ok [y/N]:
Exiting on user Command
Complete!
```

Subject: Re: yum install vzkernel
Posted by azagzin on Fri, 18 Nov 2011 17:53:03 GMT
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try to run only yum update, without kernel or vzkernel

Subject: Re: yum install vzkernel
Posted by Ales on Fri, 18 Nov 2011 23:46:30 GMT
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The first thing to do when searching for general answers like this is to open Google (or whatever you use), enter 'keep more than 3 kernels' and follow some of the top hits.

But really, using yum update, install or whatever, won't make any difference without additional settings so it's probably time to put the correct answer here - what you're looking for is 'installonly_limit' in "/etc/yum.conf".

Subject: Re: yum install vzkernel
Posted by Rene on Sat, 19 Nov 2011 04:28:27 GMT
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Thank you, finally a straight answer.

Turns out installonly_limit is already set in yum.conf to 3, but not active until installonlypkgs is set to vzkernel*.

PS. What makes you think I didn't try Google? I didn't find the answer which is why I asked here.

Subject: Re: yum install vzkernel
Posted by Ales on Sat, 19 Nov 2011 16:45:57 GMT
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That's odd, I get 3 of both kernel and vzkernel packages, without any additional settings. The oldest one gets uninstalled when a new one appears, unless it's active at the moment.

I'm assuming that changing installonly_limit to 5 would get me a 5 of each, kernel and vzkernel but I didn't do that for a long time.

BTW, a setting in "/etc/sysconfig/kernel" should tell yum to always keep vzkernel as default in grub.conf. I still check before every restart (old habits...), but it's handy.

Subject: Re: yum install vzkernel
Posted by Rene on Sun, 20 Nov 2011 07:14:45 GMT
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I'd like to warn anyone not to try this.

I added following to /etc/yum.conf:

installonlypkgs=vzkernel*
installonly_limit=5
exclude=kernel*

Then ran yum update:

Quote:

]# yum update
openvz-kernel-rhel6 | 951 B 00:00
openvz-utils | 1.2 kB 00:00
sl | 3.2 kB 00:00
sl-security | 1.9 kB 00:00
Setting up Update Process
Resolving Dependencies
--> Running transaction check
---> Package bind-libs.x86_64 32:9.7.3-2.el6_1.P3.2 will be updated
---> Package bind-libs.x86_64 32:9.7.3-2.el6_1.P3.3 will be an update
---> Package bind-utils.x86_64 32:9.7.3-2.el6_1.P3.2 will be updated
---> Package bind-utils.x86_64 32:9.7.3-2.el6_1.P3.3 will be an update
---> Package kernel-firmware.noarch 0:2.6.32-131.17.1.el6 will be obsoleted

```
---> Package nspr.x86_64 0:4.8.7-1.el6 will be updated
---> Package nspr.x86_64 0:4.8.8-1.el6_1 will be an update
---> Package nss.x86_64 0:3.12.9-12.el6_1 will be updated
---> Package nss.x86_64 0:3.12.10-2.el6_1 will be an update
---> Package nss-sysinit.x86_64 0:3.12.9-12.el6_1 will be updated
---> Package nss-sysinit.x86_64 0:3.12.10-2.el6_1 will be an update
---> Package nss-util.x86_64 0:3.12.9-1.el6 will be updated
---> Package nss-util.x86_64 0:3.12.10-1.el6_1 will be an update
---> Package vzkernel.x86_64 0:2.6.32-042stab037.1 will be updated
---> Package vzkernel.x86_64 0:2.6.32-042stab039.3 will be updated
---> Package vzkernel.x86_64 0:2.6.32-042stab039.10 will be updated
---> Package vzkernel.x86_64 0:2.6.32-042stab039.11 will be an update
---> Package vzkernel-firmware.noarch 0:2.6.32-042stab039.11 will be obsoleting
--> Finished Dependency Resolution

Dependencies Resolved

  ============================================================
=========================================
 Package              Arch        Version                  Repository              Size
  ============================================================
=========================================
Installing:
 vzkernel-firmware       noarch       2.6.32-042stab039.11         openvz-kernel-rhel6       2.9 M
    replacing  kernel-firmware.noarch 2.6.32-131.17.1.el6
Updating:
 bind-libs             x86_64       32:9.7.3-2.el6_1.P3.3        sl-security              838 k
 bind-utils            x86_64       32:9.7.3-2.el6_1.P3.3        sl-security              176 k
 nspr                  x86_64       4.8.8-1.el6_1                sl-security              109 k
 nss                   x86_64       3.12.10-2.el6_1              sl-security              773 k
 nss-sysinit           x86_64       3.12.10-2.el6_1              sl-security               27 k
 nss-util              x86_64       3.12.10-1.el6_1              sl-security               45 k
 vzkernel              x86_64       2.6.32-042stab039.11         openvz-kernel-rhel6       25 M

Transaction Summary
  ============================================================
=========================================
Install       1 Package(s)
Upgrade       7 Package(s)

Total download size: 30 M
Is this ok [y/N]: y
Downloading Packages:
(1/8): bind-libs-9.7.3-2.el6_1.P3.3.x86_64.rpm                          | 838 kB     00:00
(2/8): bind-utils-9.7.3-2.el6_1.P3.3.x86_64.rpm                         | 176 kB     00:00
(3/8): nspr-4.8.8-1.el6_1.x86_64.rpm                                    | 109 kB     00:00
(4/8): nss-3.12.10-2.el6_1.x86_64.rpm                                   | 773 kB     00:00
(5/8): nss-sysinit-3.12.10-2.el6_1.x86_64.rpm                           |  27 kB     00:00
```

```
(6/8): nss-util-3.12.10-1.el6_1.x86_64.rpm                |  45 kB     00:00
(7/8): vzkernel-2.6.32-042stab039.11.x86_64.rpm           |  25 MB     00:03
(8/8): vzkernel-firmware-2.6.32-042stab039.11.noarch.rpm  | 2.9 MB     00:00
  ---------------------------------------------------------- -----------------------------------
Total                                       6.3 MB/s |  30 MB     00:04
Running rpm_check_debug
Running Transaction Test
Transaction Test Succeeded
Running Transaction
  Updating   : nspr-4.8.8-1.el6_1.x86_64                                  1/18
  Updating   : nss-util-3.12.10-1.el6_1.x86_64                            2/18
  Updating   : nss-sysinit-3.12.10-2.el6_1.x86_64                         3/18
  Updating   : nss-3.12.10-2.el6_1.x86_64                                 4/18
  Installing : vzkernel-firmware-2.6.32-042stab039.11.noarch              5/18
  Updating   : 32:bind-libs-9.7.3-2.el6_1.P3.3.x86_64                     6/18
  Updating   : 32:bind-utils-9.7.3-2.el6_1.P3.3.x86_64                    7/18
  Updating   : vzkernel-2.6.32-042stab039.11.x86_64                       8/18
  Cleanup    : vzkernel.x86_64                                            9/18
Non-fatal POSTUN scriptlet failure in rpm package vzkernel
  Cleanup    : vzkernel.x86_64                                           10/18
warning: %postun(vzkernel-2.6.32-042stab039.10.x86_64) scriptlet failed, exit status 1
  Cleanup    : vzkernel.x86_64                                           11/18
Non-fatal POSTUN scriptlet failure in rpm package vzkernel
  Cleanup    : nss-3.12.9-12.el6_1.x86_64                                12/18
warning: %postun(vzkernel-2.6.32-042stab039.3.x86_64) scriptlet failed, exit status 1
  Cleanup    : nss-sysinit-3.12.9-12.el6_1.x86_64                        13/18
  Cleanup    : nss-util-3.12.9-1.el6.x86_64                              14/18
  Cleanup    : 32:bind-utils-9.7.3-2.el6_1.P3.2.x86_64                   15/18
  Erasing    : kernel-firmware-2.6.32-131.17.1.el6.noarch                16/18
  Cleanup    : 32:bind-libs-9.7.3-2.el6_1.P3.2.x86_64                    17/18
  Cleanup    : nspr-4.8.7-1.el6.x86_64                                   18/18

Installed:
  vzkernel-firmware.noarch 0:2.6.32-042stab039.11

Updated:
  bind-libs.x86_64 32:9.7.3-2.el6_1.P3.3          bind-utils.x86_64 32:9.7.3-2.el6_1.P3.3
  nspr.x86_64 0:4.8.8-1.el6_1                     nss.x86_64 0:3.12.10-2.el6_1
  nss-sysinit.x86_64 0:3.12.10-2.el6_1            nss-util.x86_64 0:3.12.10-1.el6_1
  vzkernel.x86_64 0:2.6.32-042stab039.11

Replaced:
  kernel-firmware.noarch 0:2.6.32-131.17.1.el6

Complete!
```

But when all is said and done all but the latest kernel rpm was removed.

Quote:
rpm -qa | grep kernel
vzkernel-2.6.32-042stab039.11.x86_64
dracut-kernel-004-53.el6.noarch
vzkernel-firmware-2.6.32-042stab039.11.noarch
kernel-2.6.32-131.17.1.el6.x86_64

I had to manually force-install the previous kernel rpms to at least have one backup in case of a problem after rebooting.

Quote:

wget http://download.openvz.org/kernel/branches/rhel6-2.6.32/042s
tab039.10/vzkernel-2.6.32-042stab039.10.x86_64.rpm
--2011-11-20 07:07:01-- http://download.openvz.org/kernel/branches/rhel6-2.6.32/042s
tab039.10/vzkernel-2.6.32-042stab039.10.x86_64.rpm
Resolving download.openvz.org... 64.131.90.11
Connecting to download.openvz.org|64.131.90.11|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 26424091 (25M) [application/x-rpm]
Saving to: âvzkernel-2.6.32-042stab039.10.x86_64.rpmâ

100%[== ===>]
26,424,091 9.75M/s in 2.6s

2011-11-20 07:07:04 (9.75 MB/s) - âvzkernel-2.6.32-042stab039.10.x86_64.rpmâ

wget http://download.openvz.org/kernel/branches/rhel6-2.6.32/042s
tab039.10/vzkernel-firmware-2.6.32-042stab039.10.noarch.rpm
--2011-11-20 07:07:13-- http://download.openvz.org/kernel/branches/rhel6-2.6.32/042s
tab039.10/vzkernel-firmware-2.6.32-042stab039.10.noarch.rpm
Resolving download.openvz.org... 64.131.90.11
Connecting to download.openvz.org|64.131.90.11|:80... connected.
HTTP request sent, awaiting response... 200 OK
Length: 3082298 (2.9M) [application/x-rpm]
Saving to: âvzkernel-firmware-2.6.32-042stab039.10.noarch.rpmâ

100%[== ===>] 3,082,298
4.51M/s in 0.7s

2011-11-20 07:07:14 (4.51 MB/s) - âvzkernel-firmware-2.6.32-042stab039.10.noarch.rpmâ

rpm -ivh vzkernel* --force
Preparing... ### [100%]
1:vzkernel-firmware ### [50%]
2:vzkernel ### [100%]

```
[root@server15 ~]# rpm -qa | grep kernel
vzkernel-2.6.32-042stab039.11.x86_64
vzkernel-2.6.32-042stab039.10.x86_64
dracut-kernel-004-53.el6.noarch
vzkernel-firmware-2.6.32-042stab039.11.noarch
vzkernel-firmware-2.6.32-042stab039.10.noarch
kernel-2.6.32-131.17.1.el6.x86_64
```