

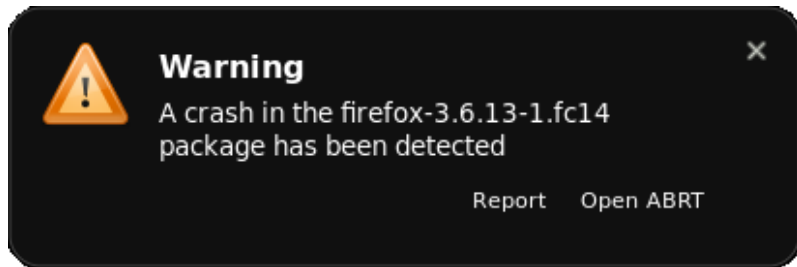
\$ firefox

```
$ firefox
```

```
/usr/lib/firefox-3.6/run-mozilla.sh: line 131:  
162 Segmentation fault    (core dumped)
```

```
$ firefox
```

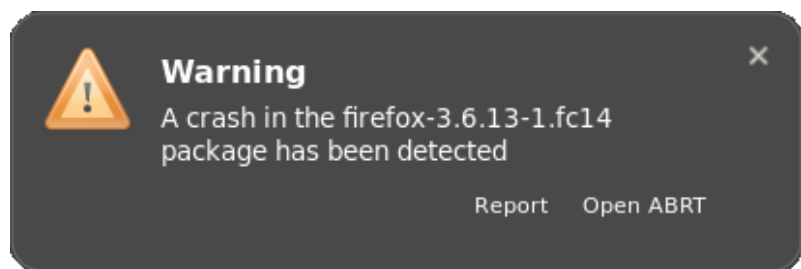
```
/usr/lib/firefox-3.6/run-mozilla.sh: line 131:  
162 Segmentation fault (core dumped)
```



```
$ file /var/spool/abrt/ccpp-*-162/coredump  
ELF 32-bit LSB core file Intel 80386, version 1 (SYSV),  
SVR4-style, from '/usr/lib/firefox-3.6/firefox'
```

```
$ firefox
```

```
/usr/lib/firefox-3.6/run-mozilla.sh: line 131:  
162 Segmentation fault (core dumped)
```



```
$ file /var/spool/abrt/ccpp-*-162/coredump  
ELF 32-bit LSB core file Intel 80386, version 1 (SYSV),  
SVR4-style, from '/usr/lib/firefox-3.6/firefox'
```

```
$ abrt-cli --report @1
```

```
>> Starting the debuginfo installation
```

```
>> Getting list of build IDs
```

```
>> 35 missing debuginfos, getting package list from cache
```

```
...
```

Thread 1 (Thread 7717):

#0 0x00cdf416 in __kernel_vsyscall ()

No symbol table info available.

#1 0x00c6b000 in raise (sig=11)

at ../nptl/sysdeps/unix/sysv/linux/pt-raise.c:42

resultvar = <value optimized out>

resultvar = <value optimized out>

pid = <value optimized out>

#2 0x051d9408 in ?? () from /usr/lib/firefox-3.6/libxul.so

No symbol table info available.

#3 <signal handler called>

No symbol table info available.

#4 0x05aa4e6a in ?? () from /usr/lib/firefox-3.6/libxul.so

No symbol table info available.

#5 0x05957034 in ?? () from /usr/lib/firefox-3.6/libxul.so

No symbol table info available.

#6 0x05957fef in ?? () from /usr/lib/firefox-3.6/libxul.so

No symbol table info available.

#7 0x00833b3e in ?? () from /usr/lib/firefox-3.6/libmozjs.so

No symbol table info available.

#8 0x0083a09b in ?? () from /usr/lib/firefox-3.6/libmozjs.so

No symbol table info available.

\$ firefox&
[1] 162

```
$ firefox&
```

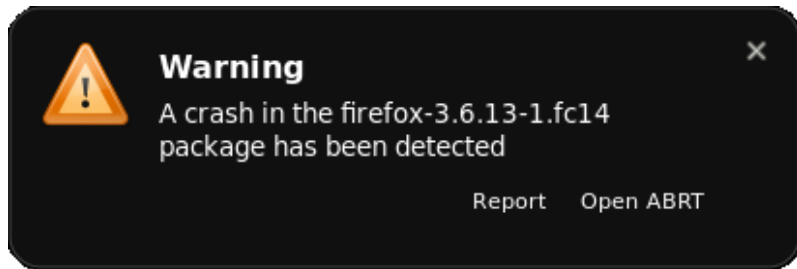
```
[1] 162
```

```
$ sudo yum update -y
```

```
...
```

```
$ firefox&  
[1] 162  
$ sudo yum update -y
```

...

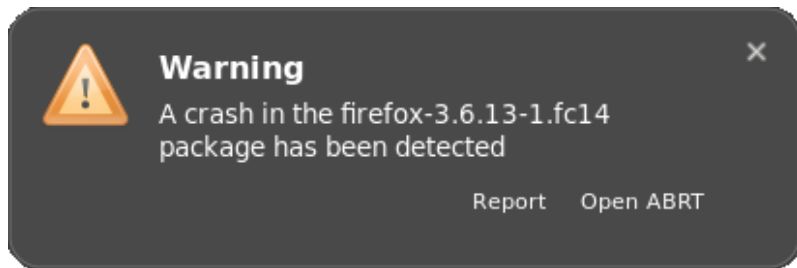


```
$ file /var/spool/abrt/ccpp-*-162/coredump  
ELF 32-bit LSB core file Intel 80386, version 1 (SYSV),  
SVR4-style, from '/usr/lib/firefox-3.6/firefox'
```



```
$ firefox&  
[1] 162  
$ sudo yum update -y
```

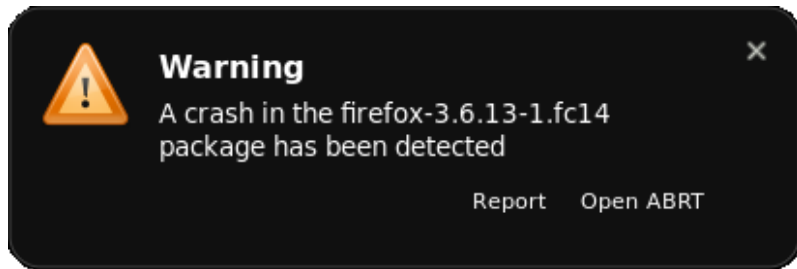
...



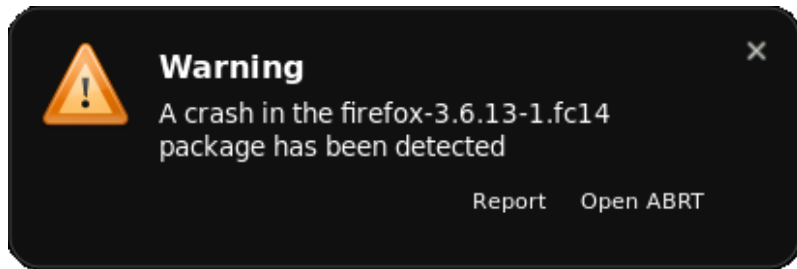
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$ file /var/spool/abrt/ccpp-*-162/coredump  
ELF 32-bit LSB core file Intel 80386, version 1 (SYSV),  
SVR4-style, from '/usr/lib/firefox-3.6/firefox'
```

```
$ abrt-cli --report @1  
>> No missing debuginfos
```

...



```
/var/spool/abrt/ccpp-*-162/coredump  
$ abrt-cli --report @1
```



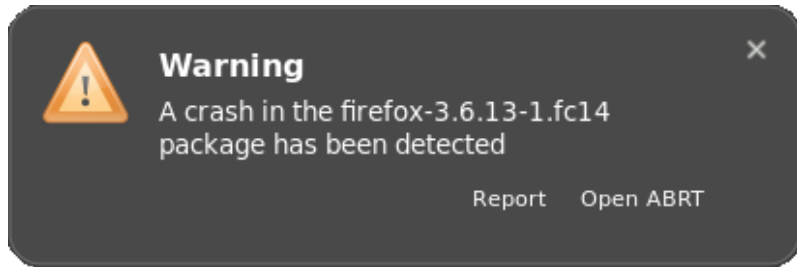
```
/var/spool/abrt/ccpp-*-162/coredump
```

```
$ abrt-cli --report @1
```

```
$ abrt-retrace-client create -d /var/spool/abrt/ccpp-*-162
```

```
Task-id: 6
```

```
Password: a63f
```



```
/var/spool/abrt/ccpp-*-162/coredump
```

```
$ abrt-cli --report @1
```

```
$ abrt-retrace-client create -d /var/spool/abrt/ccpp-*-162
```

```
Task-id: 6
```

```
Password: a63f
```

```
$ abrt-retrace-client status --task 6 --password a63f
```

```
PENDING
```



```
/var/spool/abrt/ccpp-*-162/coredump
```

```
$ abrt-cli --report @1
```

```
$ abrt-retrace-client create -d /var/spool/abrt/ccpp-*-162
```

```
Task-id: 6
```

```
Password: a63f
```

```
$ abrt-retrace-client status --task 6 --password a63f
```

```
PENDING
```

```
$ abrt-retrace-client status --task 6 --password a63f
```

```
FINISHED
```

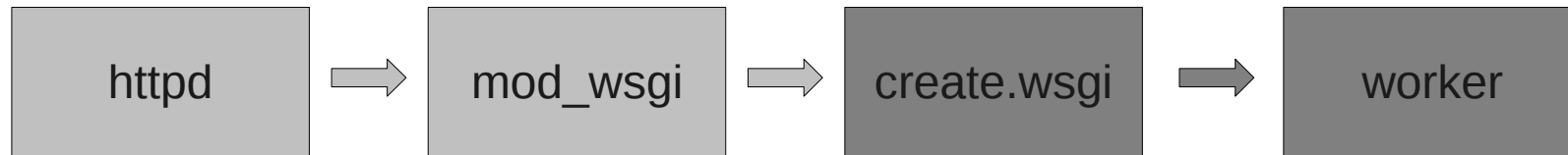
```
$ abrt-retrace-client backtrace --task 6 --password a63f
```

```
#0 ...
```

```
#1 ...
```

```
$ abrt-retrace-client create -d /var/spool/abrt/ccpp-*-162
```

Retrace server



POST /create HTTP/1.1

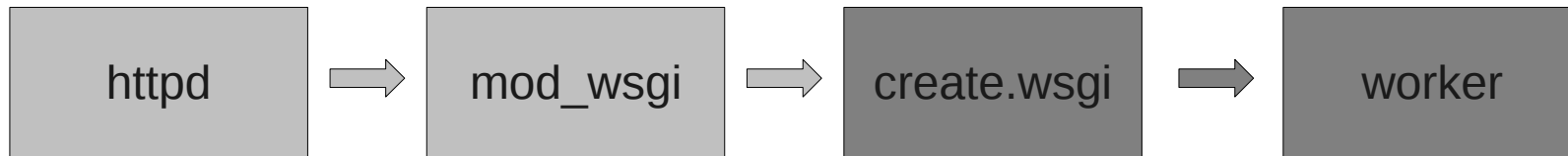
Host: retrace01.fedoraproject.org

Content-Type: application/x-xz-compressed-tar

Content-Length: 3458215

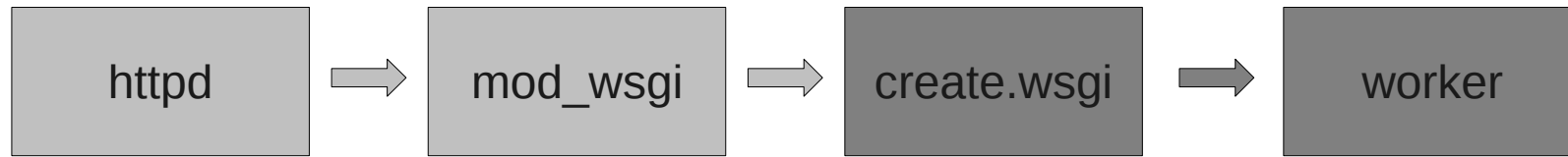
```
$ abrt-retrace-client create -d /var/spool/abrt/ccpp-*-162
```

Retrace server



```
$ coredump2packages /var/spool/abrt-retrace/6/coredump  
1:dbus-debuginfo-1.4.0-2.fc14.i686  
1:dbus-libs-1.4.0-2.fc14.i686  
1:java-1.6.0-openjdk-debuginfo-1.6.0.0-51.1.9.5.fc14.i686  
1:java-1.6.0-openjdk-plugin-1.6.0.0-51.1.9.5.fc14.i686  
2:libpng-1.2.44-1.fc14.i686  
2:libpng-debuginfo-1.2.44-1.fc14.i686  
GConf2-2.31.91-1.fc14.i686  
GConf2-debuginfo-2.31.91-1.fc14.i686  
ORBit2-2.14.19-1.fc14.i686  
...
```


Retrace server

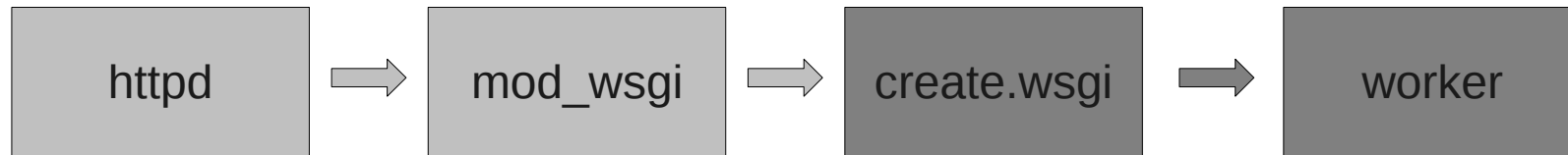


\$ mock

init chroot /var/spool/abrt-retrace/6/mock

\$ yum install \$PACKAGES gdb

Retrace server



\$ mock

init chroot /var/spool/abrt-retrace/6/mock

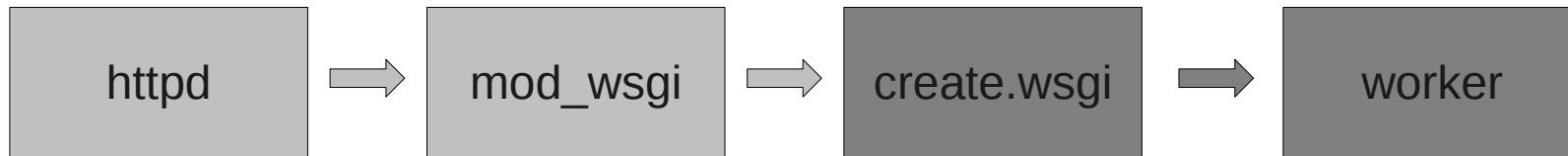
\$ yum install \$PACKAGES gdb

copy coredump to chroot

\$ gdb -batch -ex core-file /coredump ...

copy backtrace from chroot

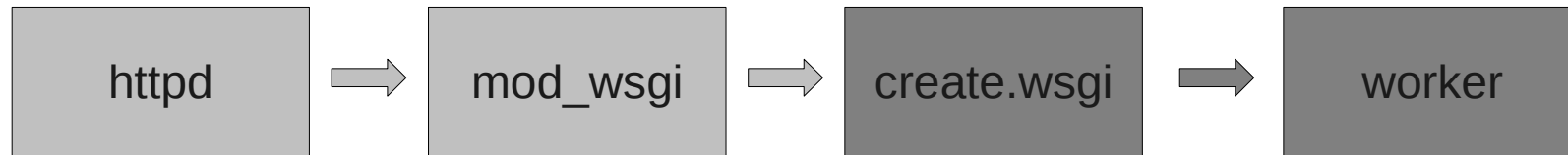
Retrace server



3.6 MB Evince, 2 documents (from 73 MB)
6.1 MB Firefox, 7 tabs (from 172 MB)
12 MB OO.org Impress (from 116 MB)
14 MB Thunderbird (from 218 MB)
41 MB Firefox, 15 tabs (from 366 MB)

```
$ abrt-retrace-client create -d /var/spool/abrt/ccpp-*-162
```

Retrace server



\$ mock

```
init chroot /var/spool/abrt-retrace/6/mock
```

```
$ yum install $PACKAGES gdb
```

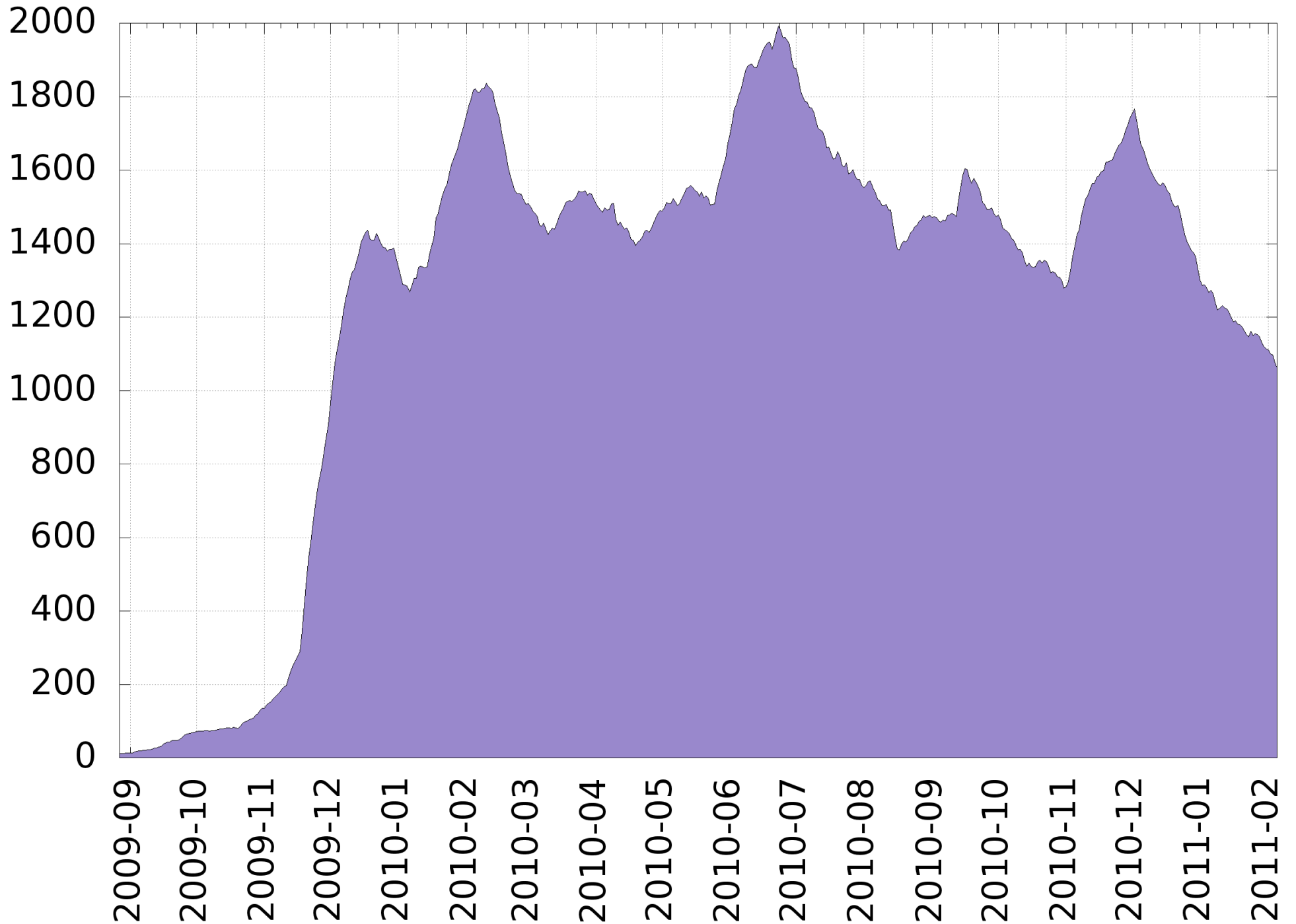
```
  /bin/sleep      480 MB
```

```
  GIMP            1.8 GB
```

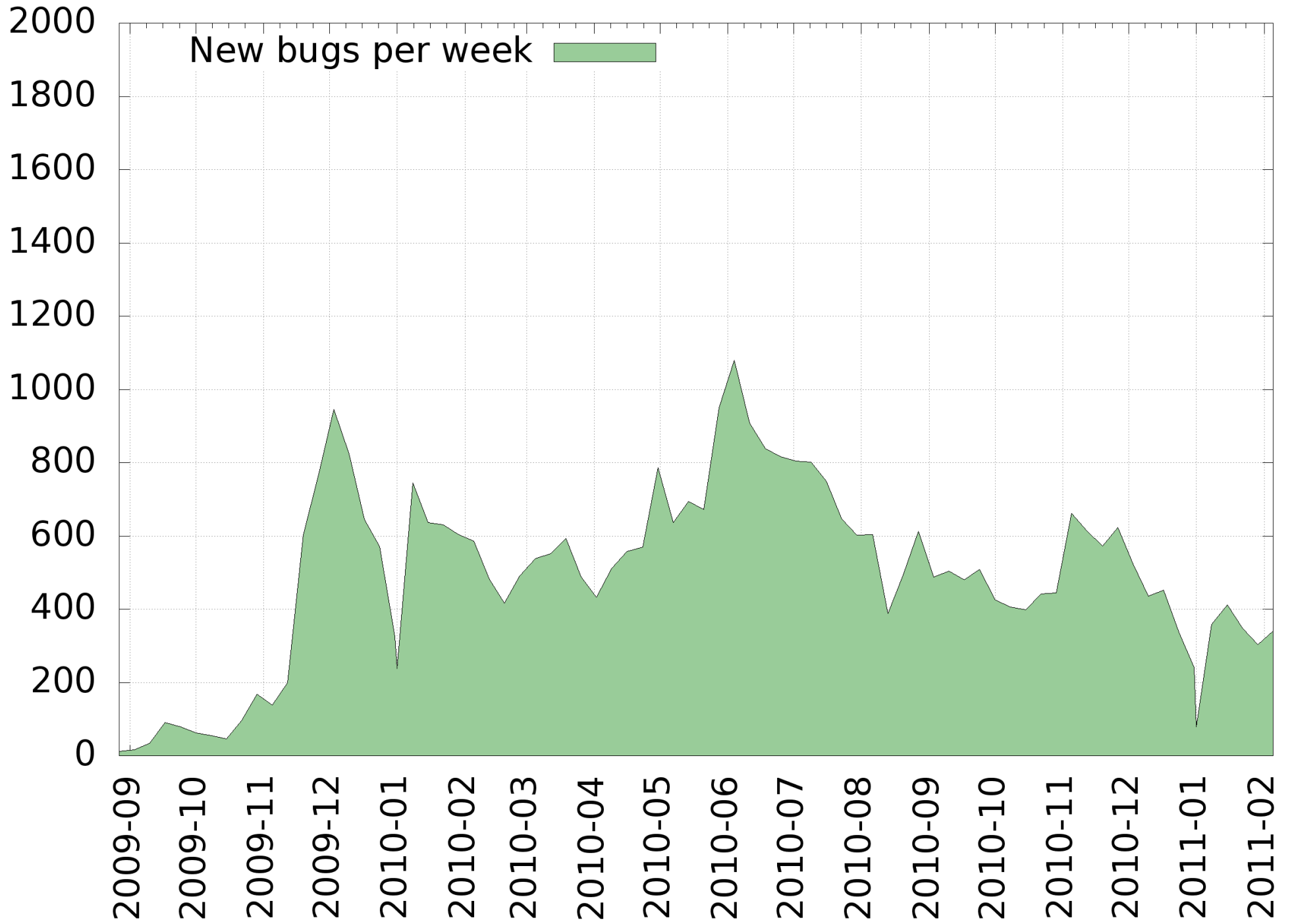
```
  Thunderbird    2.2 GB
```

```
  OO.org Writer  6.8 GB
```

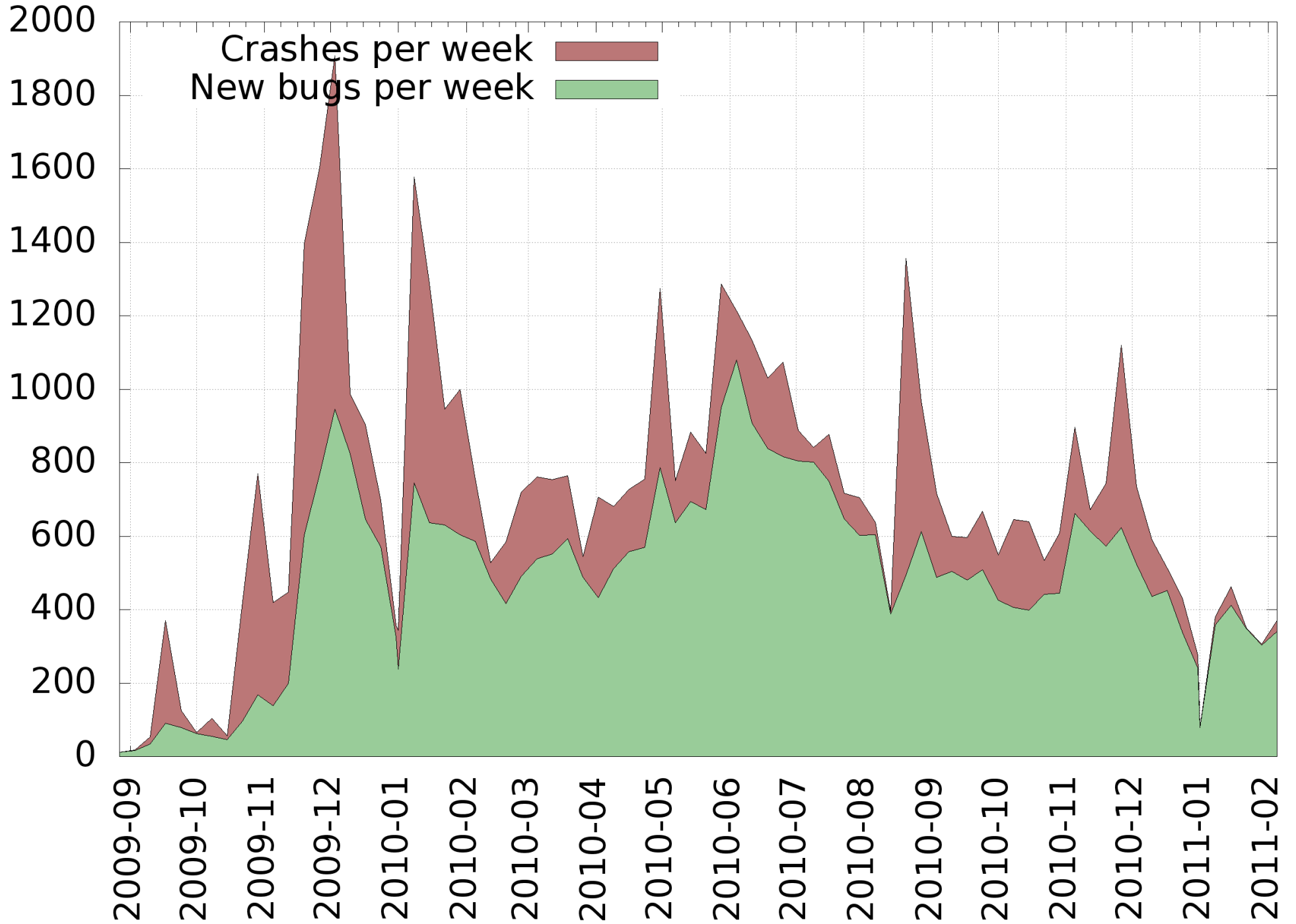
Active users of ABRT (a report in last 30 days)



Newly opened ABRT bugs



Reported ABRT crashes



Q&A

	D2	D3
9:00-9:45	ABRT 2.0 – Karel Klíč, Jiří Moskovčák	Matahari & FMCI – Jaroslav Řezník
9:50-10:35	Beyond Myths: Revealing JSF 2 & RichFaces 4 - Lukas Fryc	coreutils - tips & common mistakes – Ondřej Vašík
10:40-11:25	The truth about Seam – Jozef Hartinger	OpenLDAP, Kerberos, SSSD, FreeIPA - Jan Vcelak, Zbysek Mraz, Jan Zeleny, Pavel Zuna
11:30-12:30	Lunch	Lunch
12:30-13:15	Testing Java applications with Arquillian – Karel Piwko	Build HA cluster – marek Grác
13:20-14:05	New features in OpenJDK 7 – Pavel Tišnovský	Debugging Tools Intro – Jan Kratochvíl
14:10-14:55	Byteman – Martin Večeřa	OpenSCAP – Peter Vrabec
15:00-15:45	Spacewalk on PostgreSQL – Jan Pazdziora	TeX Live – Jindřich Nový
15:50-16:35	Confining Spacewalk with SELinux – Jan Pazdziora	Amateur radio in Fedora – Jaroslav Škarvada
16:40-17:25	Func: Fedora Unified Network Controller – Marek Mahut	Performance Evaluation of Linux Discard Support – Lukáš Czerner