

tracer

Post-update "do I need to reboot" and "what do I need to restart" tool

Patrick Ladd

pladd@redhat.com / pmladd@gmail.com

<https://people.redhat.com/pladd>

TL;DR: tracer



Sure, you patched. Good job!

Is your system still running outdated / vulnerable code? Yes, probably

How did that happen?

- Running processes with old libraries
 - But they're deleted!
 - Yes, but files don't go away until all open file handles are released
- Patch scripts didn't restart services
- All those running apps / desktop environments / etc.

If only there was a tool to help me with this...

tracer

You should restart:

- * Some applications using:
akonadictl restart
akonadictl restart
kdeinit4
sudo systemctl restart dbus-broker
sudo systemctl restart dbus-broker
- * These applications manually:
(sd-pam)
abrt-applet
agent
akonadi_akonotes_resource
akonadi_archivemail_agent
akonadi_birthdays_resource
akonadi_contacts_resource

...

```
signal-desktop  
ssh  
ssh-agent  
startplasma-x11  
su  
tracker-miner-fs  
tracker-miner-rss  
virt-manager  
xdg-desktop-portal  
xdg-desktop-portal-gtk  
xdg-document-portal  
xdg-permission-store  
xembedsniproxy
```

Additionally to those process above, there are:

- 8 processes requiring restart of your session (i.e. Logging out & Logging in again)
- 5 processes requiring reboot

tracer [-v] [-v]

```
[root@pladd-laptop ~]# tracer
You should restart:
  * These applications manually:
    chrome
    nacl_helper
[root@pladd-laptop ~]# tracer -s nacl_helper
* nacl_helper
  Package:    google-chrome-beta
  Description: Google Chrome (beta)
  Type:       Application
  State:      nacl_helper has been started by pladd 2 hours ago. PID - 9913
              nacl_helper has been started by pladd 2 hours ago. PID - 11656
[root@pladd-laptop ~]# tracer -s nacl_helper -v
* nacl_helper
  Package:    google-chrome-beta
  Description: Google Chrome (beta)
  Type:       Application
  State:      nacl_helper has been started by pladd 2 hours ago. PID - 9913
              nacl_helper has been started by pladd 2 hours ago. PID - 11656

  Affected by:
    google-chrome-beta
[root@pladd-laptop ~]# tracer -s nacl_helper -v -v
* nacl_helper
  Package:    google-chrome-beta
  Description: Google Chrome (beta)
  Type:       Application
  State:      nacl_helper has been started by pladd 2 hours ago. PID - 9913
              nacl_helper has been started by pladd 2 hours ago. PID - 11656

  Affected by:
    google-chrome-beta
    /opt/google/chrome-beta/nacl_helper
    /opt/google/chrome-beta/nacl_helper
```

tracer dnf / yum plugin

```
Transaction Summary
=====
Upgrade 3 Packages
Skip    2 Packages

Total download size: 62 M
Is this ok [y/N]: y
Downloading Packages:
(1/3): libgusb-0.3.2-1.fc31_0.3.3-1.fc31.x86_64.drpm
(2/3): libgusb-0.3.2-1.fc31_0.3.3-1.fc31.i686.drpm
(3/3): google-chrome-beta-80.0.3987.87-1.x86_64.rpm
[DRPM 1/2] libgusb-0.3.2-1.fc31_0.3.3-1.fc31.x86_64.drpm: done
[DRPM 2/2] libgusb-0.3.2-1.fc31_0.3.3-1.fc31.i686.drpm: done
-----
Total
Delta RPMs reduced 62.4 MB of updates to 62.3 MB (0.1% saved)
Running transaction check
Transaction check succeeded.
Running transaction test
Transaction test succeeded.
Running transaction
  Preparing      :
  Running scriptlet: google-chrome-beta-80.0.3987.87-1.x86_64
  Upgrading      : google-chrome-beta-80.0.3987.87-1.x86_64
  Running scriptlet: google-chrome-beta-80.0.3987.87-1.x86_64
Redirecting to /bin/systemctl start atd.service

Upgrading      : libgusb-0.3.3-1.fc31.x86_64
Upgrading      : libgusb-0.3.3-1.fc31.i686
Running scriptlet: google-chrome-beta-80.0.3987.85-1.x86_64
Cleanup        : google-chrome-beta-80.0.3987.85-1.x86_64
Running scriptlet: google-chrome-beta-80.0.3987.85-1.x86_64
Cleanup        : libgusb-0.3.2-1.fc31.i686
Cleanup        : libgusb-0.3.2-1.fc31.x86_64
Running scriptlet: libgusb-0.3.2-1.fc31.x86_64
Verifying      : libgusb-0.3.3-1.fc31.i686
Verifying      : libgusb-0.3.2-1.fc31.i686
Verifying      : libgusb-0.3.3-1.fc31.x86_64
Verifying      : libgusb-0.3.2-1.fc31.x86_64
Verifying      : google-chrome-beta-80.0.3987.87-1.x86_64
Verifying      : google-chrome-beta-80.0.3987.85-1.x86_64
tracYou should restart:
* Some applications using:
    sudo systemctl restart colord

* These applications manually:
    chrome
    nacl_helper
```

tracer Satellite 6 plugin

Details

Audits Facts YAML Content

Properties Metrics Templates VM NICs

Properties	
Status	⚠ Warning
Build	✅ Installed
Errata	✅ All errata applied
Subscription	✅ Fully entitled
Traces	⚠ One or more processes require restarting
Domain	example.com
IP Address	192.168.0.42
MAC Address	52:54:00:2e:e8:39
Architecture	x86_64
Operating System	RedHat 7.5
PXE Loader	PXELinux BIOS
Host group	RHEL7
Location	example-location
Organization	example
Owner	Admin User

<https://www.redhat.com/en/blog/introduction-tracer-feature-satellite>

tracer gimme gimme

<http://tracer-package.com/>

<https://github.com/FrostyX/tracer>

```
# I HATE reading docs just give me cospasta
```

```
# Fedora
```

```
dnf install tracer
```

```
dnf install dnf-plugins-extras-tracer
```

```
# RHEL
```

```
yum install epel-release
```

```
yum install tracer
```