

Ksplice Uptrack™

Effortless security and reliability updates—without reboots.

Ksplice Uptrack is an update management solution that lets you effortlessly keep your Linux infrastructure up to date with the latest important security and reliability updates.

Built on award-winning technology developed at the Massachusetts Institute of Technology, Ksplice streamlines software updates by eliminating the need for disruptive reboots, reducing maintenance costs and increasing system dependability.

Lifecycle of an update



A dangerous bug or security hole is discovered in the Linux kernel.



Linux vendors and developers collaborate to test and release an update that corrects the problem, but requires a reboot.



We convert the update into a rebootless update for your system, using our unique Ksplice technology.



According to your update management preferences, the rebootless update is securely distributed to your systems.



Your infrastructure is once again up to date and secure.

How does Ksplice work?

Ksplice updates the core of the Linux operating system—the kernel—while it is running, without disrupting your operations or requiring a reboot. Ksplice protects you without burdening your team with the responsibility and inconvenience of tracking down and patching Linux problems manually.

What are the benefits of Ksplice?

Lower costs.

Reboots are fundamentally disruptive and need costly supervision. Any of dozens of problems can arise during a reboot: services might not start properly, the interruption might lead to problems with a separate system, or file system checks might lead to delays. Even without any complications, upgrading your systems the traditional way can require hours of labor at off-peak hours. Ksplice saves you this valuable time.

Less downtime.

With Ksplice, updates are installed in seconds, without disrupting running applications—or the people using those applications. Installing updates requires no downtime, so your systems are more available than ever.

Improved security.

Postponing the installation of updates until a convenient time is a tempting practice but is also extremely dangerous. Essentially any machine that is not up to date is vulnerable to well-known security problems, and even a few days can be enough for an attacker to strike. Ksplice makes it easy to keep your systems up to date and secure.

Greater flexibility and control.

Easily check on the current status of your systems. Quickly verify that all of your systems are up to date, or roll out updates to your network. Deploying updates to your systems has never been simpler.

An established track record

Ksplice has been used to protect systems with all significant Linux kernel updates released since 2005. In other words, a machine protected by Ksplice during this interval could have an uptime of over four years, while being up to date and secure at all times.

Top awards for Ksplice

- The Wall Street Journal named Ksplice the best security innovation of 2009 for “breaking new ground and demonstrating measurable impact”.
- The Global Security Challenge declared Ksplice the winner of its 2009 Global Cybersecurity Challenge for the “disruptive potential” of Ksplice’s products.
- The Trophées du Libre international software competition named Ksplice the best security software of 2009 and awarded Ksplice a special prize for “breadth of vision”.
- In 2009, Ksplice became the first software product to win the Massachusetts Institute of Technology \$100K competition in more than 10 years.

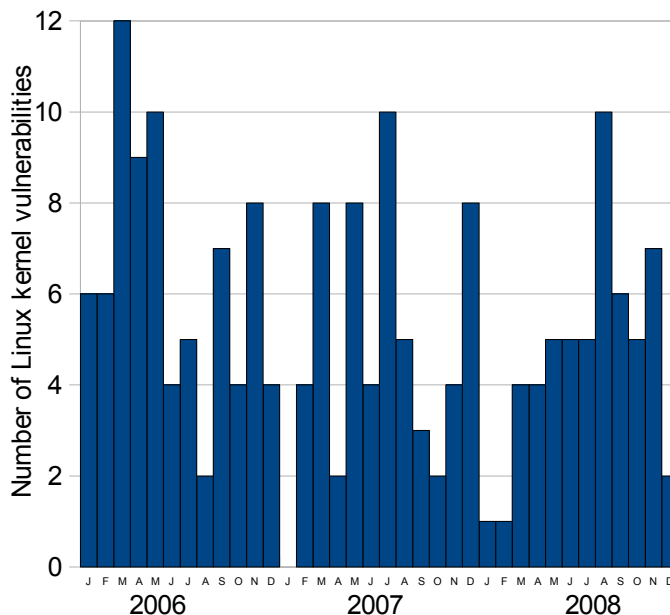
Prove it to yourself

You can see the benefits of Ksplice Uptrack yourself. The service is freely available for the latest version of the world’s most popular desktop Linux distribution, Ubuntu. Alternatively, you can request demonstration access to the service for your systems running other distributions at <http://www.ksplice.com/uptrack>.

“ I run busy servers and Ksplice has increased uptime and decreased my ‘worry time’. I don’t have to get up at 3 a.m. to make major changes. How great is that! ”

*Michael Aift
Aift & Wilson Publishing*

A new vulnerability in the core of Linux is found once every six days on average—a pace that is impossible to keep up with, using traditional means. Ksplice makes it possible.



Key features

No advance preparation required.

Ksplice does not require a specially-prepared kernel or other modifications, so it can be deployed quickly and painlessly. The initial installation process is also completely rebootless.

Virtualization-ready.

Ksplice works perfectly in VMware, Xen, Virtuozzo or any other virtualized environment, and is well-suited to keeping your virtual machines up to date. It works on both virtual machine hosts and guests, keeping your entire infrastructure up to date.

No negative performance impact.

Ksplice does not negatively affect performance. No virtualization or system daemon is required.

Rollback capability.

Any update that can be applied using Ksplice can also be reversed without rebooting.

Find out more

To find more about how Ksplice can work for you, visit us at <http://www.ksplice.com/>, email us at info@ksplice.com, or give us a call at 765-KSPLICE (765-577-5423).