Immunant Compiler

The low-risk, low-effort, low-overhead way to immunize your code against zero-day exploits.

The problem: If every person on earth had the exact same genetic makeup, a single infection could kill us all. Fortunately, our immune systems are naturally different, but the same is not true for software. A single piece of malware can infect millions of computers because they run the exact same software with the exact same vulnerabilities.

Our mission: Billions of years of evolution has led to diverse genetics; we believe that this defense can be as effective in the digital domain as it is in nature. Our diversifying technology can: (a) prevent the latest exploitation techniques, (b) detect and respond to attempted attacks, and (c) can protect the entire system stack including the OS, system services, and network-facing applications.

Our technology: is applied as sources are compiled to the final binary; an immunized binary has a fully randomized attack surface. Our approach requires no changes to the way applications are written or tested and there is no extra software that end users must install–our powerful protections goes unnoticed by everyone but attackers.

Most importantly, our compiler performs immunization in a way that minimizes overheads in time and space so **your performance critical code can be protected** too.

The benefits: (a) prevent hackers attacking your critical infrastructure and stealing sensitive information using unpatched vulnerabilities, (b) protect your company's reputation by avoiding the negative media coverage after a breach, and (c) detect and respond to zero-day vulnerabilities before attackers can weaponize them.

We are at the forefront of securing your code in the PC/server, mobile, and Internet-of-things domains. We have developed several proprietary, patent-pending techniques that dramatically increase your opportunities to protect low-level, performance sensitive code. Our work has received DARPA funding and was featured in the Economist (Divided We Stand, goo.gl/p16NiO).

"More zero-day vulnerabilities were discovered in 2013 than any other year, in fact 2013 registered more of those than the previous two years combined."
Source: Symantec 2014 Internet Security Report

Want to learn more? Contact Per Larsen
per.larsen@immunant.com | www.immunant.com