



SEI BULLETIN - June 28, 2017

DNS Blocking: A Viable Strategy in Malware Defense

During the wars in Iraq and Afghanistan, the United States ramped up its development of equipment to defend against improvised explosive devices (IEDs). One effective strategy was jamming radio frequency communications to counter radio-controlled IEDs (RCIEDs). The cyber world has also been under attack by a diffuse set of enemies who improvise their own tools and hide them where they can do much damage. In this blog post, the CERT Division's Vijay Sarvepalli explores the idea of disrupting communications from malicious code, such as ransomware or data-exfiltration software. Specifically, Sarvepalli examines Domain Name Services (DNS) blocking, which targets a break in the chain of malware to minimize its effectiveness while avoiding complex hardware and software management.

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