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Inter Protocol Exploitation

Wade sent me a link to a paper he'd written on Inter Protocol Exploitation. If that sounds vaguely familiar, it's because it is. We have been talking about that on and off for a while now, specifically around the JavaScript spam technique we've talked about, and the IMAP3 XSS. This time he does a good job of explaining not just how to execute a function, or how to get it to error out, but rather he talks specifically about how to run buffer overflows against servers using XSS. Yes, you heard me.

In the paper he talks about a theoretical buffer overflow against a tiny C script that is listening with an open socket. While interesting, it's also theoretical. Then he whips out a working buffer overflow for Asterisk (VOIP) server. Wow! So add buffer overflows to the sum of things we can now do against servers with XSS and intranet hacking. It's the first time MetaSploit and XSS have really met on the same proving grounds. This gives credence to something Jeremiah's been saying for a while - JavaScript is the new shell-code. Well maybe not the new shell-code, but definitely the transmission mechanism for the shellcode! Very cool paper, and I highly recommend the read.

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