

# 2010 Q1 link clearance: Microsoft blogger edition

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It's that time again: Sending some link love to my colleagues.

- [Names and file system filters](#). Even if you aren't interested in file system filters (and you probably aren't), the discussion of names is very interesting, particularly in light of [the confusion over hard links](#) and the difference between a file and its names.
- [Mark Russinovich creates 16 million handles in a single process](#). Famous last words: "16 million handles should be enough for anybody." And learn that a handle isn't really an index into an array. (If handles were kept in an array, then the kernel would find itself having to reallocate a a 16-million-element array.)
- [Larry Osterman](#) digs into the etymology of the Microspeak term [giblet](#).
- [Joey deVilla](#) points out a little-known Bing search operator [which shows all domains registered at a particular IP address](#).
- [Shawn Steele](#) explains [pseudo-locales](#), which look an awful lot like l33t. [Michael Kaplan](#) begs you [not to call it ps-ps](#).
- [Michael Kaplan](#) sarcastically observes that Notepad is [the apparent premiere tool of UNIX shell script authors throughout the world](#). (I wish I could get away with being as snarky as Michael.)
- DPI emulation normally kicks in when the logical DPI is set above 120. [Kam VedBrat](#) explains how you can [enable DPI emulation at lower DPI levels](#).
- The [ESL Assistant team blog](#) introduces, well, the [ESL Assistant](#), a Web page to assist non-native speakers of English with their writing. "Introduce" is a misnomer here, since the ESL Assistant has been around since 2008. Too bad nobody knows about it.
- [Eric Lawrence's IEInternals](#) discusses [The User Agent String: Use and Abuse](#). Eric's blog is full of good in-depth stuff like this, like [Understanding Domain Names in Internet Explorer](#), which discusses the difficulty of trying to figure out where the important part of the domain name is.
- [The Larry Osterman trifecta is now in play](#). This time, he shares [his own take on the cost of updating everything](#).
- [Tina Wood](#) gives a glimpse behind the curtain of [Life at Microsoft: The truth revealed](#). There's also [a second episode](#).

- [Adrian Marinescu](#) discusses the heap manager. [Silviu Calinoiu](#) discusses the fault-tolerant heap. [Richard Johnson](#) presents [ppt] some implementation details of the low fragmentation heap (from a security perspective).
- What happens when the network goes down. (Related to What happens when the power goes out.)
- [Janne Mattila](#) repurposes Internet Explorer 8's InPrivate Filtering as an ad-blocker.
- [Eric Lippert](#) has his own exercise in psychic debugging. (Answer.) Understanding this puzzle means that you don't need to have this subtlety of the Zip sequence operator explained to you.
- How to enable the light sensor on your laptop and what it gets you.
- The [NTdebugging blog](#) has examples of all sorts of debugging techniques. It has a kernel-mode focus, but there's user-mode stuff mixed in there occasionally.
- [Alan Page](#) builds on [Eric Sink's article Why we all sell code with bugs \(long version\)](#) with his own explanation of why bugs don't get fixed.
- I asked [Rico Mariani](#) to share his story about the clever way he addressed unmanaged heap fragmentation back in the late 1990's. Turns out he did it years ago and I missed it.
- [Shawn Hargreaves](#) tells a story about a bug whose effect was so awesome it became a feature.
- Over on the [fontblog](#), [Kevin Larson](#) debunks an Internet myth about lttter scrmbaling.
- On the [Windows Installer Team Blog](#), [Hemchander](#) discusses Windows Installer and the Restart Manager, and way at the bottom is information on how you can make your program survive an update-triggered reboot.
- [Keith Combs](#) points us to the surprising showdown between a shark and an octopus. (Older [grainier video](#).) Was this the inspiration for *Mega Shark vs. Giant Octopus*? (Oh, and the octopus had help.)
- [Brandon Paddock](#) demystifies The so-called "God Mode": It's just part of the plumbing that drives the Start menu and Control Panel search functions. We saw something like this before, when people took the *Copy To* and *Move To* toolbar buttons and turned them into context menu items. In both cases, you're using something in a manner it was not designed for or tested for, so if it doesn't work, well, nobody promised that it would.
- [Roberto Alexis Farah](#) shows us another cool debugger command: !findstack.
- [danah boyd](#) posted the speaker notes for her SXSW keynote Making Sense of Privacy and Publicity. She gave a longer version of the same talk to Microsoft employees two weeks earlier.
- [Larry Osterman](#) explains what's up with the Beep driver.

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