[00:38:50] <John> so you did fuck up
[02:37:10] <Josh> no
[07:42:28] *** Quits: Nortaneous
(stalin@F1F0F6DC.624AC20F.205015B8.IP) (Ping timeout)
[09:56:05] <John> heh
[11:35:29] *** Joins: Nortaneous
(stalin@F1F0F6DC.624AC20F.205015B8.IP)
[11:35:29] *** Bot sets mode: +v Nortaneous
[11:45:10] <Josh> it's a different project, ended up not needing
to go in yesterday
[12:14:06] <Josh> Okay, so my NTFS dir list of my machine manages
a 50MB file with 711084 lines
[12:14:16] <Josh> which is pretty close now I think
[12:14:47] <Josh> I now have three problems left: An invalid MFT
FILE record for one directory, so missing all its files and
subdirs
[12:15:20] <Josh> An attribute list problem for 2 directories
whereby the atts I need may be off disk somewhere else....
[12:15:58] <Josh> AND some dataruns issues with like 6
directories where the dataruns data for the directory looks
invalid as fuck, and I bail...
[13:17:19] <Josh> wow, holy shit
[13:17:32] <Josh> the invalid FILE record was an exact end case
[13:17:52] <Josh> in which the VERY LAST MFT in the first series
ended at byte 66584576
[13:18:09] <Josh> and so did this FILE, however it should have
been a >=
[13:18:12] <Josh> instead of >
[13:18:13] <Josh> wow
[13:19:44] <Josh> yay that worked
[13:19:48] <Josh> one down, two to go
[16:34:52] <John> nice
[16:35:12] <John> how come you're allowed to work at home
[18:13:07] <Josh> if something's unclass then it doesnt really
matter
[18:13:23] <Josh> and parsing filesystems isnt according to me
[18:23:08] <John> fair enough, but don't you do your dev at work
on the classed systems?
[18:23:45] <Josh> yeah
[18:23:58] <John> so how do you continue work you started at work
[18:25:49] <Josh> Problem with shit like this is you cant really
design it cuz you dont know what its structure is... until youve
paritially written it.. so it kinda looks shitty, and I need to
clean it up a tad: http://cryptm.org/~josh/NTFSDirWalk.cpp
[18:26:02] <Josh> I take it out on a cd
[18:26:09] <Josh> throw it up on my server like that ^
[18:26:26] <Josh> take it off and put it on my work system
[18:26:55] <Josh> generally as like as you're using "one-way"
systems then you're fine
[18:26:59] <Josh> *as long
[19:05:36] <John> wow our work would have a fit if you did that
without prior permission :P

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[19:06:02] <Josh> really
[19:06:02] <John> oh wait i see what you're saying
[19:06:12] <John> you never take data off the classed system
[19:06:47] <Josh> The dev network I do
[19:06:50] <Josh> to put on a cd
[19:07:13] <John> what if there's a virus on your computer that secretly copies classed info onto it when you burn it
[19:07:29] <Josh> a virus on the classified computer?
[19:07:34] <John> yeah
[19:07:38] <John> i mean that's how stuxnet worked
[19:07:54] <Josh> sortof...
[19:07:59] <Josh> but it involved bringing it back
[19:08:13] <John> stuxnet didn't bring back data i thought
[19:08:21] <Josh> using the same media, or at least taking and inserting over the same media
[19:08:50] <John> okay but let's just say there's a supervirus that has infected all the computers on the classed network
[19:09:11] <John> would it not be infeasible for it to add classed info to any device/storage medium that gets plugged into it
[19:09:11] <Josh> then weve got a bigger issue on our hands ;-)
[19:09:33] <Josh> yeah, I mean, there's not place for it to go though
[19:09:54] <Josh> I bring the cd home, copy off what I need, and either shred the cd or take it back to work and dump it in the CD disposal
[19:10:33] <John> i mean if they have infected all your classed systems they would probably have infected your home machine too
[19:10:34] <Josh> and actually.. the dev network is a "dirty" class network anyway
[19:10:51] <Josh> we dont actually have any classified important stuff except source code on it
[19:10:58] <John> oh okay
[19:11:29] <Josh> our other classified network that has all the good stuff is much more restrictive of who/how you put stuff on and take it off
[19:11:44] <John> we have a policy of any data that came from a classed network/machine is also classed by default
[19:11:48] <Josh> on a good day I never log into that piece of shit anyway
[19:12:02] <Josh> crap windows xp with lotus notes that sucks dick
[19:12:07] <John> lol
[19:12:14] <John> does the hardware just not support win7
[19:12:23] <Josh> no, they're just stupid
[19:12:38] <John> you should totally dual boot it
[19:12:43] <John> just put a linux livecd in it
[19:12:53] <Josh> that's the system I cant put cds into though
[19:13:07] <Josh> you cant really touch it
[19:13:08] <John> oh that's no fun
[19:13:16] <Josh> heh actually
[19:13:25] <Josh> speaking of viruses spreading on the classified

networks...
[19:13:44] <Josh> some dumbfuck executed one of our viruses on the clean class network
[19:13:49] <Josh> and spread it around
[19:13:51] <Josh> it was epic
[19:13:53] <John> lmfao
[19:14:15] <John> yeah that's pretty fail
[19:14:17] <Josh> it sometimes amazes me the stupid fucks we hire
[19:15:31] <Josh> dammit... im running through this code and see 8 correct data streams in a row... then the 9th one tries to go to a negative cluster number....
[19:15:45] <Josh> WHY, dammit, WHY
[19:19:45] <Josh> it eludes me, but I feel like im doing something stupid here...
[19:20:11] <Josh> if you get 0xC5... but it's signed, it's converted to 0x3B
[19:20:14] <Josh> and subtracted....
[19:21:00] <Josh> ahh
[19:21:03] <Josh> hrmm
[19:23:58] <Josh> ah!
[19:24:04] <Josh> yep im retarded alright
[19:24:26] <John> lol
[19:25:30] <John> trying to read an unsigned byte as a signed byte?
[19:26:16] <Josh> it's this asinine "data runs" structure msft uses... first nibble tells you the number of bytes for the length field, next nibble tells you the number of bytes for the offset field...
[19:26:26] <Josh> and the offsets are a running sum essentially
[19:26:47] <Josh> and one individual quantity can be a negative offset
[19:26:57] <Josh> so I need to bitMask = 0x80 << ((((*ptr & 0xF0) >> 4) - 1) * 8);
[19:27:12] <Josh> to test if negative, but I wasnt properly doing 2s complement
[19:27:18] <Josh> on the number when negative
[19:27:25] <Josh> when subtracting
[19:27:31] <Josh> so it was subtracting the unsigned version
[19:27:41] <Josh> which was bigger than the original running sum
[19:27:47] <Josh> and taking the whole thing negative
[19:28:22] <Josh> runningOffset -= (ULONGLONG)((~dr.offset) + 1);
[19:28:26] <Josh> that should work?
[19:29:13] <John> i'm too lazy to parse that
[19:29:34] <Josh> you're no help
[19:29:38] <John> that kind of code is way more fun to write than read
[19:29:45] <Josh> true
[19:31:04] <John> anyway i'm going for dinner
[19:31:13] <Josh> latr
[19:32:29] <John> i had the worst experience with sushi today
[19:32:37] <Josh> gas station sushi?
[19:32:48] <John> no it was all you can eat/drink sushi/sake

[19:32:52] <John> (last night)
[19:32:59] <John> and boy did i eat a lot
[19:33:23] <Josh> heh
[19:33:30] <John> and then today i got stomach cramps, intestinal pain, diahrea, and nausea
[19:33:45] <John> threw up all morning
[19:34:06] <John> then spent the afternoon listening to my intestines making noises no intestines should ever make
[19:34:42] <Josh> oh shit
[19:34:53] <Josh> sounds like an awful day
[19:34:57] <John> yeah...
[19:35:09] <John> i'm feeling mostly okay now though
[19:35:30] <John> so i'm gonna try to eat something
[19:38:13] <Josh> ya
[19:50:18] <Josh> Sweet, alright, now that works.
[19:50:19] <Josh> 2 down
[19:50:24] <Josh> one issue left...
[19:53:29] <Josh> unfortunately I know what this issue is, I just dont want to fix it...