

Foreword /

The DIGITAL VERSION of this document that has the LINKS in this particular file, can be (viewed/downloaded) from:

| 10/01/22 | CASSIE | [https://github.com/mcc85s/FightingEntropy/blob/main/Docs/2022_1001-\(CASSIE\).pdf](https://github.com/mcc85s/FightingEntropy/blob/main/Docs/2022_1001-(CASSIE).pdf) |

This file needs to be DOWNLOADED in order to click on the LINKS (or you can TYPE them in...)

Overview /

10/01/22 - This morning I awoke from a dream, in that dream, many things happened as I was walking around the town of Clifton Park, NY. In one portion of the dream, I had a chance to speak to my childhood best friend, and he felt insulted by the notion that I wrote a document about how "a best friend might commit espionage to you"... [https://github.com/mcc85s/FightingEntropy/blob/main/Docs/2022_0929-\(Write%20Progress%20Extension\).pdf](https://github.com/mcc85s/FightingEntropy/blob/main/Docs/2022_0929-(Write%20Progress%20Extension).pdf)

...the reality is that I would never accuse HIM of committing espionage to me. However- uh, various OTHER PEOPLE ARE committing ESPIONAGE to EVERYBODY... and, people get REALLY UPSET when you EXPLAIN to them HOW that is ALREADY HAPPENING...

That's right. People will IMMEDIATELY LABEL YOU, as "DELUSIONAL", if you go around talking about ESPIONAGE TOOLS. For instance... WikiLeaks, Vault 7. I write about it in my book:

| TOP DECK AWARENESS - NOT NEWS: Used to be news...? Now it's Not News. Not News. Part of the Not News Network |
| https://github.com/mcc85s/FightingEntropy/blob/main/Docs/2022_0823_TDA_Not_News.pdf |

CHAPTER 7 - USA-PATRIOT Act of 2001 and Surveillance Capitalism

WikiLeaks, Vault 7 loadout...

[~]	Documentation
[01] Year Zero	[~] Apple iPhone (Sonic Screwdriver, Password bypass)
[02] Dark Matter	[~] Obfuscation framework
[03] Marble	[~] Shape-shifting malware
[04] Grasshopper	[~] Advanced phishing Man-In-The-Middle
[05] HIVE	[~] SmartTV's microphone & WiFi (can be deployed via internet/Walmart)
[06] Weeping Angel/Willow	[~] Adds a beacon to particular documents
[07] Scribbles	[~] Hijacks control AND traffic on a device
[08] Archimedes	[~] Malware with payload scripts/Blue screen of death
[09] After Midnight/Assassin	[~] Hijacks Windows Remote Access Services/Domain Name Service
[10] Athena	[~] Infects SMB shares and spreads to others
[11] Pandemic	[~] Hijacks control of ROUTERS/ACCESS POINTS
[12] Cherry Blossom	[~] Infects thumb drives, makes hidden network
[13] Brutal Kangaroo	[~] Collects GPS coordinates from WiFi radios
[14] Elsa	[~] Targets Linux OS, hijacks outbound traffic
[15] Outlaw Country	[~] Swipes SSH creds for Windows/Linux
[16] Bothan Spy/GyrFalcon	[~] Targets Android, hijacks SMS
[17] High Rise	[~] Research and development regarding attack vectors
[18] Raytheon	[~] Suite of tools for Unix based OSs (and Apple stuff)
[19] Imperial	[~] NMAP for WiFi/BT cameras, can ALSO corrupt footage
[20] Dumbo	[~] Hijacks RTSP/H.264 video streams
[21] Couch Potato	[~] A biometrics nightmare
[22] Express Lane	[~] Various Windows exploitation
[23] Angel Fire	[~] Tool for missile control systems
[24] Protego	

VAULT 7 is chock full of things related to SMARTPHONES, SMART TV's, COMPUTERS, LAPTOPS, CONSOLES, OPERATING SYSTEMS, NETWORK DEVICES, ROUTERS, SURVEILLANCE SYSTEMS, all being COMPROMISED by tools developed by the:

| CIA/CENTRAL INTELLIGENCE AGENCY |

...and that CORPORATIONS, in addition to DOMESTIC AND FOREIGN INTELLIGENCE SERVICES, are USING these tools.

The COOL thing is, I literally went to the CLIFTON PARK PUBLIC SAFETY BUILDING and told NYSP TROOPER ENNST on 06/24/20, that I have the SAME AMOUNT OF EXPERIENCE as a FORENSIC INVESTIGATOR...? And, TROOPER ENNST LAUGHED IN MY FACE. A lot of the police DO this, they think what I'm saying is RIDICULOUS, as well as SO MANY OTHER PEOPLE. That's because ALL of the people who think I'm being RIDICULOUS, are MORONS. That's the end of the conversation.

So, I absolutely HAVE to resort to calling many people: MORONS. Why...? Because it's a BETTER ALTERNATIVE than BREAKING SOMEBODY'S LEGS when they WAVE ME OFF for thinking I'm being RIDICULOUS. Ya know...? I'm not gonna think to SAY something like that if it's a little kid that doesn't know any better, even an adult who obviously doesn't know any better. However, when it is a person of AUTHORITY (POLICE/LAWYERS/JUDGES/ETC.), then I DEFINITELY will.

Calling people a MORON when they accuse me of being RIDICULOUS when I have DECADES OF EXPERIENCE...

...versus, BREAKING SOMEBODY'S LEGS when they accuse me of being RIDICULOUS. What's the BETTER ALTERNATIVE...? Hm...?

Here's the reality. The FIRST AMENDMENT of the CONSTITUTION LEGALLY ALLOWS ME TO MAKE THESE STATEMENTS. I'm NOT BREAKING ANY LAWS by expressing this LINE OF REASONING, especially when I'm using these statements METAPHORICALLY.

Word	Type	Definition
METAPHORICALLY	ADVERB	in a way that uses or relates to metaphor; figuratively.
METAPHOR	NOUN	figure of speech where a (word/phrase) is applied to an (object/action) to which it is not literally applicable.
LITERALLY	ADVERB	in a literally manner or sense; exactly
LITERAL	ADJECTIVE	taking words in their usual or most basic sense without metaphor or allegory

I use these above words EXTENSIVELY in ALL OF MY DOCUMENTS, why...?
Because, SO MANY PEOPLE ARE OBLIVIOUS MORONS WHO DON'T KNOW THE DIFFERENCE BETWEEN OPINIONS AND FACTS. SOMETIMES AN OPINION IS ALSO A FACT. (← THAT IS A "FACT")

Most of the time, OPINIONS are JUST opinions, but very RARELY, OPINIONS are ALSO a FACT. Apparently, only INTELLIGENT PEOPLE can detect WHEN an OPINION is ALSO A FACT. When they're NOT INTELLIGENT, they can't tell the difference between an OPINION and a FACT. That's what the word INTELLIGENT actually means, to be able to TELL THE DIFFERENCE.

Taking a step back from DEFINITIONS TO WORDS and stuff...
Many people in our SOCIETY are OBLIVIOUS, and they don't understand what the CONSTITUTION 1) IS, or 2) DOES. I think the REASON for that is because our SOCIETY PRIORITIZES PEOPLE THAT LOOK REALLY GOOD, over FACTS. So what happens is that REALLY GOOD LOOKING PEOPLE don't NEED to have their FACTS in order, and they ALWAYS WIN.

What I just said sounds pretty MESSED UP, RIGHT...? WELL, BASED ON THE NUMEROUS OBSERVATIONS I HAVE MADE ABOUT OUR GOVERNMENT AND HOW CORRUPT MANY INDIVIDUALS IN IT, ARE...? WHAT I JUST SAID IS ACTUALLY A FACT. A lot of people don't really CARE about 1) FACTS, 2) the CONSTITUTION, or 3) if they're ALREADY BEING SPIED ON.

But also, the POLICE are typically MORONS, and they don't really UNDERSTAND nor CARE ABOUT, "HOW" these ESPIONAGE TOOLS are CURRENTLY BEING USED by CERTAIN PEOPLE with a LOT OF MONEY or EXPERIENCE WITH COMPUTERS to lawlessly monitor OTHER PEOPLE for FINANCIAL GAIN. (← That's how a lot of MORONS get paid, THAT IS A "FACT".)

When I was a kid, I played this game called "connect the dots". It turns out that people like BRUCE TANSKI, and MOST OF THE LOCAL POLICE...? They're terrible at this game, "connect the dots".

That's right. If the idea sounds RIDICULOUS...? It means YOU are RIDICULOUS. Because if something SOUNDS RIDICULOUS, but it is ACCURATE...? Then, it's not RIDICULOUS at all. It shouldn't be THAT ridiculous AT ALL, to SPECULATE, that SOMETIMES...? RICH PEOPLE GET RICH OFF OF EAVESDROPPING. Case in point, (FACEBOOK/CAMBRIDGE ANALYTICA), perfect example. But also:

| 02/25/22 | Censorship on Facebook | <https://youtu.be/Jmq4yBqGhTs> |

So, what's happening in THAT PARTICULAR VIDEO, is CENSORSHIP on FACEBOOK.
What do I mean...? Well, take for instance, if ANYBODY makes a COMMENT on FACEBOOK, right...? They can go right ahead, and see when people 1) COMMENT BACK, 2) RESPOND, 3) REACT, 4) post a SMILEY FACE, 5) etc.

But, in MY SPECIFIC CIRCUMSTANCE...? Nobody can actually see any of my CONTENT, POSTS, COMMENTS, or ET CETERA...
...why...? Watch the video. I have about a DOZEN VIDEOS that showcase a SIMILAR or MUCH MORE EXTREME VERSION OF THAT. It also occurs on REDDIT, it WAS occurring on YouTube, it WAS occurring on StackOverflow, and et cetera.

The REASON why it happens...? Is because I've caught some VERY IMPORTANT PEOPLE doing some INCREDIBLY QUESTIONABLE STUFF. ILLEGAL STUFF THAT VIOLATES EVERYBODY'S CONSTITUTIONAL LIBERTIES AND FREEDOMS, and it is HIGHLY CRIMINAL.

In fact, if you TELL the police about this stuff...? They will IMMEDIATELY attempt to ARREST YOU. I'm not even remotely kidding about that. The reason that it SOUNDS STUPID...? Is because the police really are that stupid, and that's the end of the conversation.

Now, allow me to return to the DREAM that I had... I went to some place where Toys R' Us used to be, and walked in, and talked to some girl there, and told her that I had an idea to build a program that is capable of providing potential eavesdroppers or espionage artists, a well-placed kick to the face.

She told me to come BACK LATER, and then when I eventually RETURNED...? She tells me that she spoke to her BOSS, and her BOSS accepted my PROPOSAL, and then I asked the girl for HER NAME...? And she said "I'm CASSIE."

Constructors /

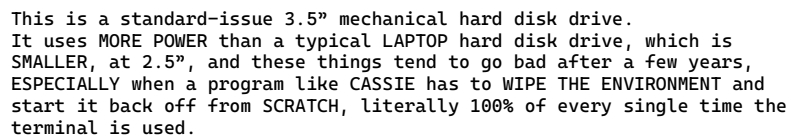
/ Overview

Much how in PROGRAMMING, CONSTRUCTORS are required in order to provide a PROGRAM...?
I have to talk about VARIOUS COMPONENTS of an IDEA that I have, to implement a NETWORK BASED OPERATING SYSTEM that manages VIRTUAL MACHINE INSTANCES, so that TERMINALS can allow USERS to have their own PROFILE that DOESN'T HAVE TO DELETE ANYTHING IN THAT USERS' SESSION...

Clifton Park/Halfmoon Library	475 Moe Road, Clifton Park, NY
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Oh well. They're ALL gone. This hasn't necessarily happened to ME, per se, however, I've seen numerous people come into the computer lab to do work, and then they say "The computer FROZE on me and then it deleted the 4 hours' worth of work that I did~!"

First off, I am literally an expert. Each machine in the building uses a mechanical HDD.



Every few years, they start to WEAR DOWN their MECHANICAL MOVING PARTS, and thus the SENSORS and CYCLIC REDUNDANCY CHECKS start to FAIL.

This is a program called HD Tune. What it DOES, is it allows a SYSTEM ADMINISTRATOR, to DETERMINE WITH SHEER ACCURACY, whether a drive is FAILING, and NEEDS TO BE REPLACED... it has several features:

- However, if you really want to show people that you're an EXPERT like I am...? Then you have to inform people about various other ideas, such as:

- This is a standard-issue 2.5" LAPTOP hard disk drive, and it is ALSO an (SSD/SOLID-STATE DRIVE). What SEPARATES an SSD from a MECHANICAL DISK DRIVE, is the fact that a SOLID STATE DRIVE has NO MECHANICAL PARTS IN IT that:

- Smartphones and tablets all have SSD's in them as well. Sometimes, they are INTEGRATED into the (MOTHERBOARD/LOGIC BOARD), such as on every smartphone on earth. The (4) BLACK THINGS on the BOARD are NAND flash.



Typically, FIBER OPTIC CABLES are used to connect to other distribution points with a VERY HEAVY LOAD ON BANDWIDTH spanning LONG DISTANCES.

ETHERNET is generally good for about 100m/300ft.

FIBER OPTICS are generally good for MILES, depending on the mode.

For cross compatibility...?
Backward compatibility...?
More compatibility than you can shake a stick at.
That's saying something, isn't it...?

Now, I COULD be overselling this thing...? But- I don't think I am.

| PowerShell... the BEST there is. |

PowerShell is next to IMPOSSIBLE, to NOT to talk about in a PROPOSAL, where it COULD BE USED... to take CASSIE to the NEXT LEVEL. Nah. Especially when I know for certain that CASSIE is ALREADY USING A LOT OF ELEMENTS of the .NET FRAMEWORK. PowerShell uses the COMMON LANGUAGE RUNTIME that .NET, as well as C Sharp, use.

Side point - I've also been conceptualizing ways to INTEGRATE: 1) RAZOR, 2) BLAZOR, 3) WEBASSEMBLY, 4) ASP.NET, 5) SQL DATABASES, 6) XAML with PowerShell, some of that'll eventually be called RazorShell. But that's WAY down the road, and if that day eventually comes...? Don Jones is gonna have to start teaching the kids about RazorShell syntax, when it becomes a reality... "Wanna become a true expert...? Heh. You need to learn RazorShell." -Don Jones

If that IS the case, perhaps CASSIE will feel COMPELLED to take advantage of a really cool UPGRADE, to allow users at the library computer lab, or anywhere else in the facility... to have access to something that performs much more quickly... and even SAVES the USERS STATE/SESSION without LOSING THAT INFORMATION. Maybe even allows users to access it from OUTSIDE of the library.

Wanna order a book...?

Log into your account on the library website, and just submit an order.
Done.

Wanna submit a ticket for a resource or something...?

Log into your account on the library website, and just submit that ticket for that resource.
Done.

Wanna find out what really cool events are coming up at the library...?

Log into your account on the library website, or via the API that allows people to get a loadout in PowerShell.
Or like, from their smartphone or whatever.
Done.

Wanna leave a review for how awesome the LIBRARY is, as well as the people that work there...?

Not a problem. Log into your account on the library website, and just... write up an amazing review, and share it with Google, or Facebook, or whatever.
Done.

Wanna submit ideas for CLASSES or TECHNOLOGY QUESTIONS, or learn something really cool and need resources to track stuff like that down...? Uh- the library is where it's at, pal.

Log into your account on the library website, and just submit your idea or request to the right place.

Do YOU have a DEVICE that needs to be REPAIRED, or, RECYCLED...?

Well, the LIBRARY could be the actual, factual, best place to bring something like that...
So, you could log into your account on the library website, and submit a comment or question.

You could even register your device and get a FREE DIAGNOSTIC from the website via [FightingEntropy(π)].
Eventually. Might be getting ahead of myself here, but the ideas are there.

Think of it like this... Imagine CASSIE could be some GIRL.

/--_

Me : Hey CASSIE, how would you like to be given a really cool upgrade that makes you a LOT more useful...?

CASSIE : *crosses arms* Nah, I'm all set...

Me : Really...?

CASSIE : Yeah.

I'm ALREADY EXTREMELY useful... and that's that.

Me : But, I mean, the people that set you up seem to have difficulty in making you WORK FASTER...

CASSIE : So what, dude...?

I've been around for like, at least 8 years.

That means I'm basically perfect and can't be improved.

So...

Me : Well, yeah you can be improved in a number of ways...

You just need someone to show you "how it could be done..."

CASSIE : Oh yeah, buddy...?

So, who are you, some type of EXPERT or whatever...?

Me : Yeah.

I like, have official credentials and a resume and stuff.

| 08/23/22 | Resume | [https://github.com/mcc85s/FightingEntropy/blob/main/Docs/2022_0825-\(MCC%20Short%20Resume\).pdf](https://github.com/mcc85s/FightingEntropy/blob/main/Docs/2022_0825-(MCC%20Short%20Resume).pdf) |

CASSIE : Yeah, well, I'd be willing to bet that you're not a REAL expert at all...

Me : Nah, I most certainly AM a REAL EXPERT that KNOWS WHAT HE'S DOING...

And I can say with CERTAINTY, that I can develop a SYSTEM that allows people to use the SYSTEM more effectively.

CASSIE : *Uncrosses arms* Oh yeh...?

Me : Yeh.

CASSIE : Alright, how...?
Me : Well, there are (2) options that I can see from here.
CASSIE : Well, what's option (1)...?
Me : Option (1) is that I literally use my COMPUTER ANSWERS spiel, called:
"The PERFORMANCE AND PROTECTION PACKAGE".
CASSIE : Whoa.
PERFORMANCE AND-
Me : -PROTECTION PACKAGE.
CASSIE : *eyebrows up* Performance and Protection Package, eh...?
Me : Yyyyyyyep.
CASSIE : WELL, that sounds pretty cool actually...
What's THAT all about...?
Me : So, every single computer in the building can be UPGRADED to a SOLID STATE HARD DRIVE that only needs to be
a certain size, so we're talkin', if each machine only uses a MAXIMUM of 80GB to install the OPERATING
SYSTEM, the VARIOUS SOFTWARE, and DRIVERS...? 80GB is pretty WEIGHTY and EXCESSIVE, and it's a GOOD SIGN that
some people don't know how to build 14GB-20GB images that accomplish the EXACT SAME END RESULT.
CASSIE : 80GB to like, 14GB-20GB...?
Me : That's right.
I show people how to do that in a video I released back in May 2019...

| 05/28/19 | MDT/Hybrid Desired State Controller | <https://youtu.be/C8NYaaqJAlI> |

CASSIE : That's an hour and a half long..
Me : Yeah, but the thing is, that (1) video shows that I know how to do the same job with TOOLS that are
DEPLOYED from a SERVER using a NETWORK to DEPLOY a FULLY INSTALLED OPERATING SYSTEM with its' PROGRAMS
by using the MICROSOFT DEPLOYMENT TOOLKIT, and WINDOWS DEPLOYMENT SERVICES.
CASSIE : So, that means you'd have to have been an-
Me : EXPERT, back then, yeah.
CASSIE : Alright..
So, this PERFORMANCE AND PROTECTION PACKAGE, feel free to continue..
Me : Well it's called the PERFORMANCE AND PROTECTION PACKAGE because I COINED THAT PHRASE.

| 1) PERFORMANCE |

...in the sense that you'll GET WHAT YOU SEE, and you'll SEE WHAT YOU GET..
...and WHAT YOU SEE IS WHAT YOU GET..
...because literally EVERY terminal that uses a MECHANICAL DISK DRIVE that USED to BREAK DOWN..
...got replaced by something that is EXPONENTIALLY FASTER than the current hard drive.

That's because the PERFORMANCE was increased by eliminating the mechanical moving parts.
You're working with SOLID-STATE, and that means the access times are nearly immediate.

| 2) PROTECTION |

...in the sense that EACH DRIVE comes with a (3) year warranty, where if it FAILS before that 3
year period of time...? You're eligible to get a FREE REPLACEMENT, because that's part of the WARRANTY.

CASSIE : Sounds TOO GOOD TO BE TRUE, though.
Me : Yeah, well, check this out.
Not only would you be getting ALL OF THOSE THINGS...?

But- every single instance of each machine can be migrated with its' existing DATA or OPERATING SYSTEM.

However, that'd be a LOT MORE TIME CONSUMING considering that the MICROSOFT DEPLOYMENT TOOLKIT could be
used to perform a FRESH INSTALLATION on EVERY EXISTING TERMINAL, and be FASTER, MORE LIGHTWEIGHT, and...
all of those existing hard drives that get replaced...?

CASSIE : Yeah...?
Me : They can be used in a STORAGE POOL in a SERVER or a NETWORK STORAGE TANK that allows RAID.
CASSIE : What's a STORAGE POOL or NETWORK STORAGE TANK, or RAID...?
Me : A STORAGE POOL is where VIRTUAL MACHINES and their SESSION DATA could be SAVED, so that PEOPLE don't LOSE
their DATA. A NETWORK STORAGE TANK is effectively the same thing. However, it can be accessed over the
network by really ANYBODY. STORAGE POOL and NETWORK STORAGE TANKS are effectively the SAME THING.

However, there are such things as (NAS/NETWORK ATTACHED STORAGE) which is NOT a STORAGE POOL stored on
a SERVER, but rather, a computer node that doesn't have an OPERATING SYSTEM, it is just an ACCESSIBLE
NETWORK NODE with LOTS and LOTS of (GB/TB) of storage space.

RAID stands for REDUNDANT ARRAY OF INEXPENSIVE DISKS, or the I in that phrase can stand for INDEPENDENT,
or whatever dozens of iterations the people in the world came up with...

Basically RAID allows MULTIPLE HARD DRIVES to be used in COMBINATION with each other to provide either:

| REDUNDANCY | SPEED | ...in some cases BOTH |

Mode	Process	Result	Benefit
RAID 0	STRIPING	SPEED	TIME
RAID 1	MIRRORING	REDUNDANCY	FAULT TOLERANCE
RAID 5	STRIPING+MIRRORING	BOTH	BOTH

I may have to brush up on my understanding of RAID levels, but simply put, these approaches vary in what
their PROCESSES, RESULTS, and BENEFITS truly are. There are some DRAWBACKS to each of these methods, but

I will save an explanation of those DRAWBACKS for someone who's serious about using these approaches and having a DISCUSSION with me, about how to IMPLEMENT these ideas.

CASSIE : It DOES seem to be the case, that you know what you're talking about.
Me : I do.
I'm an actual EXPERT that knows what he's talking about.
CASSIE : I'm impressed, actually...
Me : Look, I haven't even really touched on the SECOND idea. Or, the THIRD.
CASSIE : *crosses arms* I thought you said you only had (2) options...?
Mister fancy pants McBrainiac suddenly has a THIRD option now, eh...?
Me : Yeh.
I'll explain shortly.
CASSIE : Fine.
Let's hear this SECOND idea of yours...
Me : Alright, so the SECOND idea takes advantage of a COOL LITTLE PHENOMENON called DISKLESS NETWORK OPERATION.
CASSIE : How does a computer work without a DISK...?
Me : Because the computers would be booting from the network.
CASSIE : That sounds impossible.
Me : It isn't.
You just need an ACTUAL EXPERT to explain to people, how that's even possible.
CASSIE : Alright, how does it work...?
Me : Alright, so over the last 3.5 years, I've been DABBING and EXPERIMENTING with the Microsoft Deployment Toolkit, which was developed by some smart guy named Michael Niehaus, from Microsoft. It uses a phenomenon called (Pre-Execution Environment, or Executable), and I believe it was pioneered by Intel.

| PXE → Effectively allows a computer to boot from a SERVER on the NETWORK |

CASSIE : Who's Michael Niehaus...?
Me : *chuckles* Heh.
"Who's Michael Niehaus...?"
shakes head Well, I'll tell you who this guy is...
He's the guy that had an idea way back in the early 2000's, who developed the (BDD/Business Desktop Deployment) tool, which led to (MDT/Microsoft Deployment Toolkit), which then led to (SCCM/System Center Configuration Manager), which led to various other tools and utilities.
The man is a flat out, genius.
He didn't build all of these things ALONE, however.
He had some help from a couple guys named Johan Arwidmark, and Mykael Nystrom.
Among dozens of others.
CASSIE : Oh yeah...?
Me : Yep. All of these programs allow WINDOWS to be INSTALLED over a NETWORK.
However, the (WinADK/WINDOWS DEPLOYMENT AND ASSESSMENT KIT) as well as (WinPE/WINDOWS PREINSTALLATION ENVIRONMENT) allow core components of Windows to be readily deployed over the (network/install media), rather than by a (hard drive/disk).

So for instance, you could literally use EITHER ONE of these tools here...

| 1) PowerShell Deployment FE Wizard | <https://youtu.be/LZX5fAgcz0> |
| 2) [FightingEntropy(π)] FEInfrastructure | https://youtu.be/6yQr06_rA4I |

...to allow EACH TERMINAL IN THE BUILDING, to have (0) disks in them, in order for every terminal to use a LOGIN, that combines VARIOUS ASPECTS of WINDOWS REMOTE DESKTOP PROTOCOL, EXTENSIBLE APPLICATION MARKUP LANGUAGE, and POWERSHELL...

...to LITERALLY connect to REMOTE DESKTOP VIRTUAL MACHINES that have a LEGITIMATE LICENSE.

CASSIE : What's a VIRTUAL MACHINE...?
Me : A VIRTUAL MACHINE is essentially a SOFTWARE VERSION of a computer.
They can each have the SAME CHARACTERISTICS as the HOST, or they can even be provided MORE RESOURCES since the LOAD would be distributed over to a DATACENTER server.
CASSIE : This sounds like you would have to be an EXPERT SYSTEM ENGINEER, to build a single computer that could COMBINE all of these REALLY COOL IDEAS you have...
Me : That's right.
That's why the (2) videos up above showcase living examples of how long I've been seeking to develop an idea that would help a lot of people.

However, here's a machine I built for a customer in 2017, with the SOLE INTENTION of using it for VIRTUAL MACHINES.

| 08/31/17 | Threadripper Mark I | <https://youtu.be/ApEq0jAoAfM> |

CASSIE : Maybe this idea won't work.
Me : Nah, it definitely WILL.
That's why I have to whip out ADDITIONAL EXAMPLES of what grade of EXPERT I happen to be...

Name	Date	Detail
[FightingEntropy(π)] FEInfrastructure	12/2021	https://youtu.be/6yQr06_rA4I
Advanced Domain Controller Promotion	10/2021	https://youtu.be/08A2PDfQ0Bs
A Deep Dive: PowerShell and XAML	03/2021	https://youtu.be/NK4NuQrraCI
Wireless Network Scanning Utility	05/2022	https://youtu.be/35EabWfh8dQ
PowerShell Deployment FE Wizard	09/2021	https://youtu.be/LZX5fAgcz0
2019_0125-(Computer Answers - MDT)	01/2019	https://youtu.be/5Cyp3pqIMRs
Install-pfSense	06/2021	https://youtu.be/E_uFbzS0blQ

The FIRST OPTION is to provide a service that we used to charge about \$300 per machine, the PERFORMANCE AND PROTECTION PACKAGE, which is the inclusion of a 120GB SOLID STATE HARD DRIVE with a (3) YEAR WARRANTY, and includes the INSTALLATION OF THE OPERATING SYSTEM as well as ALL OF THE UPDATES NEEDED, as well as ALL OF THE SOFTWARE AND DRIVERS... and there would be INCLUSIONS where if the system needs to be looked at or serviced...?

Then, follow up checkups are FREE OF CHARGE. There are VARYING STIPULATIONS that need to be openly stated. However the SPECULATION being made here, is that it seems pretty obvious that the DRIVES and the SYSTEMS IN WHICH THEY'VE BEEN INSTALLED, will more than likely NEVER BE SUBJECTED TO PHYSICAL DAMAGE.

PHYSICAL DAMAGE is an immediate "Nope, that's not under warranty at all." Same goes for WATER DAMAGE. Pretty sure that neither of these things will occur, at the LIBRARY.

Beyond that, however...?

If the drive(s) are error-prone, and subjected to a PERFORMANCE LOSS or DEGRADATION, then being able to check on the status of that drive and the installation of the operating system is COVERED in the package.

That means if it needs a TUNE-UP, or it has a VIRUS or MALWARE that needs to be removed, or for whatever reason the APPLICATIONS need to be reinstalled or optimized...? That's included.

COMPUTER ANSWERS never included any of these services with the warranty, however, I always did. That's why I still hold the HIGHEST SALES RECORD for MONTH-TO-MONTH sales, at:

| COMPUTER ANSWERS | 1602 Route 9, Clifton Park, NY 12065 |

Anybody could go there, and ask the people who work there...

"Hey, how much money did THIS STORE MAKE, back in AUGUST of 2017...?" And they will say "\$42K".

That's because I was managing the store which had like (4) employees working there at the time.

| 1) DWAYNE O. COONRADT |
| 2) PAUL DANIELS |
| 3) DANA KING |
4) KEVIN ANDREWS

I'll take a step back from discussing how much higher \$42K is than anybody else's performance at that store in its' entire existence, because... there's a REASON why my NUMBERS are always HIGHER than everybody ELSE'S.

It is literally because of (1) reason alone. I am an actual CERTIFIED expert, and I know what the hell I'm doing.

Suppose someone wanted to negotiate on the price... Well...?

The STARTING RATE is about \$300 per machine, for a 120GB SSD, that comes with the operating system, as well as MALWARE DETECTION/PROTECTION software, and even remote management and backup software. However, that's not a HARD PRICE at the moment because someone has to be in SERIOUS NEGOTIATION MODE for me to determine with sheer accuracy whether the amount would be HIGHER or LOWER than that, based on a number of contingencies and stipulations.

In other words, if 120GB drives are too SMALL, then the price requires adjustment based on the available drives. But also, SCARCITY of these components may also be a factor. Regardless, that is why I talk about the OTHER option...

| OPTION 2 | DISKLESS NETWORK OPERATION |

In this particular mode, most of the cost comes down to simply setting up an advanced server mainframe or database that can handle all of the networking traffic and loads.

With this option, the PROCESSING OVERHEAD is transferred from the CLIENTS to the SERVER. This option does effectively eliminate the need to have really good hardware on the CLIENT END.

All of the PROCESSING OVERHEAD is DISPLACED to the SERVER.

And, the SERVER can be BUILT with some very cool technology similar to EPYC, or THREADRIPPER by:

ADVANCED MICRO DEVICES/GlobalFoundries

EPYC is the MUCH MORE EXPENSIVE TR4 platform, meant for DATABASE SERVERS or MAINFRAMES, however, those platforms can effectively run hundreds of concurrent processes FLAWLESSLY.

THREADRIPPER is the much more price considerate version of the TR4 platform that does many of the same things, and utilizes INFINITY FABRIC. INFINITY FABRIC is not something from the MARVEL UNIVERSE... it's just a terminology that allows multiple threads to be intelligently (assigned/distributed) among the various number of CORES and THREADS that are available to the server to run.

So, in reference to DISKLESS NETWORK OPERATION, a server with either one of these platforms will be able to provide an environment that is IDENTICAL IN NATURE, to vSphere, or eSXI, which is the VMware derivative of like, Google Kubernetes, Amazon Web Services, Microsoft Azure. I guess I'm using some of these terms rather LOOSELY, however, they all have a similar SCOPE of SERVICE that effectively uses VIRTUALIZATION to provide REMOTE VIRTUAL MACHINES.

| OPTION 3 | BOTH OF THOSE METHODS COMBINED |

This option would effectively deploy BOTH of these approaches, and can be adjusted to SCALE across multiple locations. If the proposal is accepted at MULTIPLE LOCATIONS, that allows for more negotiability in reference to PRICING and BUDGETING, however, the SUPPORT FACTORS are still very much, going to be EXACTLY THE SAME ACROSS THE BOARD.

However, with a HYBRID APPROACH, other added benefits which may not be readily apparent, are able to be CONSIDERED

Then it stands to reason that VOLUME LICENSING or PACKAGING can be on the table for both SERVER ADMINISTRATION, WEBSITE DEVELOPMENT, DATABASE ACCESSIBILITY, IMPROVEMENTS to the way that the EXISTING DATABASE OPERATES, INTEGRATION with CURRENT SOFTWARE IMPLEMENTATIONS. as well as suggestions on how to improve the current system...

However, let's not get AHEAD of ourselves and start talking about how to implement ways of integrating the SECURITY SYSTEM, NETWORK ADMINISTRATION/ENGINEERING, and other various aspects of EXCHANGE SERVER, ACTIVE DIRECTORY DOMAIN SERVICES, CERTIFICATE AUTHORITIES, and etc...

09/08/21	cimdb2	https://youtu.be/vA8_HLZ--mQ
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/ Proposal

Because, to those people, the things I do seem like they're SENSELESS... And since the things I do make no sense to those people, I'm apparently a bad guy. And, since I'm apparently a bad guy, I don't fit in with the normal conventional way of doing things... and, because I don't fit into the conventional way of doing things, they will say that I'm unmanageable. Since they'll say I'm unmanageable, they'll say that I do my own thing (in a BAD WAY). And, because people say that I do my own thing (in a BAD WAY), that I'm someone who CONSTANTLY goes against the grain. And, since I constantly go against the grain, that all the resistance I face is similar to swimming against the current of a river... and that seems STUPID to most people. Since that seems STUPID to MOST PEOPLE, they'll say:

Most people : Swimming against the current of a RIVER...?
YOU REALLY ARE STUPID, AREN'T YA...?
LOL.

If you go with the flow of a river, then life is easy.
You're literally at peace with the current of the river, and you're not likely to build up a TOLERANCE for telling people that they're a fuckin' moron when or where they sound like one.

Here's what can happen when MALWARE is on any given system...

1) IDENTITY THEFT

It's actually WICKED EASY when MALWARE is DEPLOYED to a NETWORK where NOBODY DETECTS THE INTRUSION. Cool, huh.? SOFT N' CUSHY AUTO UPHOLSTERY had a TROJAN installed as a NETWORK PRINTER DRIVER. That means, 100% of EVERY DOCUMENT that THE MAN or BUSINESS PRINTED, was CLONED/COPIED to a REMOTE ADDRESS on the internet.

2) CYBERCRIMINAL ACTIVITIES

This can range from SCAM CENTERS that INDISCRIMINATELY CALL PEOPLE FOR THEIR INFORMATION or BANK ACCOUNT STUFF, all the way to the severity level where SOMEONE HAS LOCKED DOWN ALL OF THE DATA ON A GIVEN:

| SYSTEM | NETWORK | NETWORK OF SYSTEMS | CERTIFICATE AUTHORITIES | BACKUPS |

Wanna know how EASY it is, for CYBERCRIMINALS to GET AWAY with committing an ACT OF SABOTAGE to any particular target...? PRETTY EASY.

| 2020 Federal Data Breach | https://en.wikipedia.org/wiki/2020_United_States_federal_government_data_breach |

That article right there goes to the 2020 Federal data breach, which was the END RESULT, of a lot of EGREGIOUS MORONS IN CHARGE, failing to take these threats to NATIONAL SECURITY VERY SERIOUSLY.

Now, let's talk about some of the MORONS IN CHARGE.

---SOME--- OF THOSE MORONS IN CHARGE happen to be the LOCAL POLICE at:

NEW YORK STATE TROOPERS	5 MUNICIPAL DRIVE	CLIFTON PARK, NY	12065
SARATOGA COUNTY SHERIFFS OFFICE	6010 COUNTY FARM ROAD	BALLSTON SPA, NY	12020
FEDERAL BUREAU OF INVESTIGATION	200 MCCARTY AVE	ALBANY, NY	12209

Here's why I just said that. When I managed the COMPUTER ANSWERS SHOP in JANUARY of 2019...

My NETWORK was SUBJECTED to a CYBERATTACK of a VERY SOPHISTICATED NATURE... on JANUARY 15th, 2019.

It involved CVE-2019-8936, a DISTRIBUTED DENIAL OF SERVICE, and a RANSOMWARE ATTACK similar to WANNACRY. I also believe that it involved PEGASUS/PHANTOM deployed to my Apple iPhone 8+.

(4) days before 01/15/2019, I had made a RECORDING on that SAME APPLE IPHONE, where I talked about the BROTHER of a GUY that can be SEEN in THIS PARTICULAR DOCUMENT...

| 07/21/89 | 785-3221 | [https://github.com/mcc85s/FightingEntropy/blob/main/Docs/2021_0414-\(Jesse%20Pickett\).pdf](https://github.com/mcc85s/FightingEntropy/blob/main/Docs/2021_0414-(Jesse%20Pickett).pdf) |

Wanna know how many times that shop had EVER been hacked or attacked while I worked there, PRIOR to that...? (0). The ONLY time I can really think of, where an attack of a SIGNIFICANT CONCERN occurred, is when the GMAIL ACCOUNT cacliftonpark@gmail.com was compromised and no longer available. And I believe that occurred as a DIRECT RESULT to THIS VIDEO that I had posted on THAT ACCOUNT:

| 07/2017 | Spectrum Cable Modem Reset | <https://youtu.be/LfZW-s0BMow> |

For (3) years, I worked at this place that is owned by a RUSSIAN IMMIGRANT named PAVEL ZAICHENKO JR., who has DEVELOPERS that live in RUSSIA, right...? The guys who worked on their CRM, they're from RUSSIA.

| RUSSIA → CYBERATTACKS → POLICE → STUPID |

Allow me to repeat what I just said...

| RUSSIA → CYBERATTACKS → POLICE → STUPID |

I'm gonna say it a THIRD TIME after I post a couple of LINKS where I recorded a full, ~(2) hours of video, on MAY 25th, 2020, walking to 10 INNISBROOK, CLIFTON PARK, NY 12065...

05/25/20 IMG_0625.mov	https://drive.google.com/file/d/1SDTqxEl2WiYfD3WhgYHxXXLVJ2h9aU-D
05/25/20 IMG_0627.mov	https://drive.google.com/file/d/1zhiwa9hvh5Lg58gHTjDT9TpM0k6NRZVx

But also, I'm going to post the LINKS to the PICTURES that the POLICE from SCSO have been AGGRESSIVELY IGNORING, because (2) 25-30 year old white males attempted to MURDER ME outside of the COMPUTER ANSWERS SHOP, on:

| MAY 26th, 2020 0004 → MAY 26th, 2020 0130 |

05/26/20 0005 IMG_0648	https://drive.google.com/file/d/18xllhtJW6XZhxJOZXWtesywn-Ph37KK9
05/26/20 0011 IMG_0649	https://drive.google.com/file/d/1w0234ojNChSpwDZwnWPzjjZRBQ2CQm0L
05/26/20 0011 IMG_0650	https://drive.google.com/file/d/1vu2bhSSCv2H0-HCeCCh5-icqYpiiC2L
05/26/20 0011 IMG_0651	https://drive.google.com/file/d/1imYzaTA--eVDMesM-dHfYBfC2tiAHsLV
05/26/20 0348 IMG_0652	https://drive.google.com/file/d/1w0Q6lhLYH9ACwQfUosucUE9x5-uAsNzI

| RUSSIA → CYBERATTACKS → POLICE → STUPID |

That's what I mean by "The police are stupid." The truth is...? THEY don't think they're STUPID at all... because, SOME OF THEM SUCCESSFULLY GOT AWAY with ATTEMPTING to have me KILLED, in nearly an IDENTICAL WAY to how my FATHER was MURDERED, WAAAAAY back when I was 10 years old, on October 23rd, 1995.

These people know how to make certain situations APPEAR to be something they're not (ALTERING APPEARANCES). They will go so far as to do what SCSO JAMES LEONARD and SCSO MICHAEL ZURLO did on MAY 27th, 2020... which is to commit SEVERAL COUNTS OF OBSTRUCTION OF JUSTICE, and even DESTRUCTION OF EVIDENCE.

So, my father's murder APPEARS TO HAVE BEEN a FOILED ROBBERY, when it was actually an EXECUTION by the MAFIA/KGB. Then, SAMMY SANTA CASSARO's murder, that happened like 10 months later...?

Similar circumstances, looked like a DRUG RELATED MURDER, involved a JUDGE from SARATOGA SPRINGS named FRANCINE VERO, who was a TEENAGER at the time, right...? She was ALSO the JUDGE in the LAWSUIT between PRECISION PERIODONTICS and COMPUTER ANSWERS.

| 08/14/99 | Francine Vero/Cassaro | https://drive.google.com/file/d/1s_7zUKMtHIRSPKK7PrdCZiu6alX0hbG9 |

FRANCINE VERO showed multiple signs that she might actually be VERY FAMILIAR with PAVEL ZAICHENKO JR. The way that they were INTERACTING in the COURTROOM seemed to suggest to me, that it is PLAUSIBLE, that they could very well be BROTHER and SISTER. However, I have NO EVIDENCE TO SUGGEST AS SUCH.

It is MERELY A SUSPICION. That's what I mean by "the police are stupid", they aren't able to make CORRELATIONS where MULTIPLE CRIMES can be associated to the SAME GROUP OF PEOPLE... that were INVOLVED in a SERIES of CRIMINAL OFFENSES.

So, for instance, if I tell my mother that those (2) murders were CONNECTED to the MURDER ATTEMPT ON MY LIFE outside of COMPUTER ANSWERS on MAY 26th, 2020...? Or that CAPITAL DIGITRONICS provides RADIO COMMUNICATIONS EQUIPMENT for the NEW YORK STATE POLICE...? She'll say "That's all pretty stupid, Michael. Find someone that BELIEVES you."

| 06/28/22 | My mom | [https://github.com/mcc85s/FightingEntropy/blob/main/Records/2022_0831-\(Mom%2006-28-2022\).ps1](https://github.com/mcc85s/FightingEntropy/blob/main/Records/2022_0831-(Mom%2006-28-2022).ps1) |

^ That right there, has a LINK to the AUDIO RECORDING that is MORE IMPORTANT than the STATEMENT MY MOTHER MADE TO THE POLICE on 06/28/2022, because she: PROVIDED FALSE TESTIMONY ON A WRITTEN INSTRUMENT.

Then the POLICE: 1) ILLEGALLY ARRESTED ME, 2) ILLEGALLY TASED ME, and 3) DID THESE THINGS AS SOON AS I TOLD THEM ABOUT THE AUDIO RECORDING BEING UPLOADED TO MY GOOGLE DRIVE ACCOUNT BEFORE THAT 911 CALL THAT SHE MADE THAT DAY.

Then, MICHAEL DEPRESSO from the SARATOGA COUNTY PUBLIC DEFENDERS OFFICE refuses to acknowledge that I'm looking to FILE CRIMINAL CHARGES AGAINST ALL OF THE ARRESTING OFFICERS AS WELL AS MY MOTHER for: PROVIDING FALSE TESTIMONY ON A WRITTEN INSTRUMENT TO HAVE SOMEONE ILLEGALLY ARRESTED.

People like 1) SOME of the police, and 2) PUBLIC PRETENDER MICHAEL DEPRESSO...? They're stupid. They can't help it.

They are not ALL stupid...? But, the ones that I constantly run into...? They typically are, because they trust what they SEE with their EYES, and they DON'T put ANY THOUGHT into what is SHOWN to them, because they're stupid... If the SARATOGA COUNTY SHERIFF has to ISSUE A PRESS RELEASE...? The sentences in that PRESS RELEASE have to be SO EASY TO UNDERSTAND, that even a KINDERGARTNER can understand it.

So, if the (SENTENCE/PARAGRAPH) is COMPLICATED (as a LOT of my writing is VERY SOPHISTICATED and COMPLEX), and you need a DICTIONARY to UNDERSTAND the SENTENCE...? MICHAEL ZURLO will give that statement a THUMBS DOWN.

| "That's too difficult for people to understand, start over." -Michael Zurlo |

That causes them to THEN do this THING where they UNDERESTIMATE ME, and they'll never look at the EVIDENCE I've compiled. And unsurprisingly, this is how PUBLIC DEFENDERS such as MICHAEL DEPRESSO think and operate as well.

| "That shit is WAAAAAY too advanced, to 1) READ, or 2) UNDERSTAND. So...? Fuck you. -Michael Depresso |

THAT'S what I mean by SOME of the POLICE are STUPID. They don't even LOOK at my EVIDENCE, nor do they know how to make these things called "CORRELATIONS". Some of my VIDEOS, AUDIO LOGS, or CONTENT, will be VERY CONTROVERSIAL. And, that's ok.

| "If we don't believe in free speech for those we despise...? Then we don't believe in it at all. -Noam Chomsky |

What that phrase suggests is this. ACTIONS speak louder than WORDS, so when SOCIETY continues to LIE TO EACH OTHER INDISCRIMINATELY, while also IGNORING THE THINGS CERTAIN PEOPLE HAVE TO SAY...? It causes TERRIBLE THINGS TO HAPPEN ELSEWHERE, such as: UVALDE TX, RENO NV, NEWTOWN CT, BUFFALO NY, DAYTON OH, DALLAS/EL PASO TX, SAN BERNADINO CA.

So, if SOCIETY is programmed to COVER THEIR EYES OR EARS whenever they see NUDITY on TV, or whenever they hear SWEAR WORDS...? What is ACTUALLY HAPPENING, is this... society is programming themselves to allow these ATROCITIES to UNFOLD. I literally talk about all of these things and the DOMINO EFFECT in my book, TOP DECK AWARENESS - NOT NEWS.

When someone CENSORS stuff on TV, such as NUDITY, it causes little kids to develop a STIGMA so that CERTAIN BOYS AND GIRLS grow up and become GAY. Not even remotely kidding about that at all... The reason this happens is so that the ALPHA MALES can have a WIDER SELECTION of MATES to PROCREATE and REPRODUCE.

When someone gets DISGUSTED by SWEAR WORDS, it causes them to think that people who SWEAR a lot are AWFUL PEOPLE. When someone SWEARS, it means that they are MORE HONEST than people who don't. It's not a CONSISTENT RULE, however, it is an observation I have made.

At some point in the past, some people thought it would be a WISE MOVE, to implement these VARIOUS THINGS to CONTROL SOCIETY and their SUBCONCIOUS. The problem is...? Once you are CAPABLE of DETECTING these various STRATEGIES...? They will work OVERTIME to NULLIFY ALL INDICATIONS that PEOPLE ARE INTERESTED IN THE CONTENT, as well as ENGAGING IN IT.

/ Conclusion

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