

THANK YOU!

ONE OF THE MANY LESSONS THAT I'VE LEARNED AS THE VICTIM OF A FIFTEEN YEAR SERIES OF INSIDER CYBER CRIMES IS THAT THE ONLY TIME PEOPLE HEAR ABOUT HACKS IS WHEN THE HACKERS ARE SUCCESSFUL. THIS LIFE-CHANGING ENDEAVOR IS DEDICATED TO ALL OF THE UNSUNG, REAL-LIFE CYBER HEROES AND LAW ENFORCEMENT PROFESSIONALS WHO TOIL WITHOUT FANFARE OR ACKNOWLEDGEMENT EVERY DAY TO DEFEND US ALL AT WORK, HOME AND SCHOOL.

THIS INCREDIBLE JOURNEY WOULD NOT HAVE BEEN POSSIBLE WITHOUT THE UNWAVERING SUPPORT OF MY BEAUTIFUL, INTELLIGENT, CHARMING AND FUNNY BETTER-HALF, VALERIE AND OUR TWO AMAZING DAUGHTERS, SARA AND ILANA. THEY HAVE AND WILL ALWAYS BE AN INSPIRATION TO ME AND TO EVERYONE WHOSE LIVES THEY TOUCH. TO MY 90-YEAR-YOUNG MOMMY... IT'S ONLY GOING TO GET BETTER!

WORDS CAN'T ADEQUATELY EXPRESS MY GRATITUDE TO THE MEMBERS OF THE CYBERMAN SECURITY, LLC ADVISORY BOARD. THEY HAVE HELD MY HAND AND SHARED THEIR MORE-THAN-100-YEARS OF COLLECTIVE EXPERIENCE IN CYBER SECURITY AND TECHNOLOGY WITH THE PATIENCE OF SAINTS. THEIR REAL-WORLD EXPERIENCES AS DEPICTED IN THE CYBER HERO ADVENTURES WILL ENLIGHTEN, EMPOWER, AND ENTERTAIN PEOPLE OF ALL AGES AND HELP KEEP EVERYONE SAFE WHILE ONLINE.

AND LAST, BUT NOT LEAST, TO JULIO ALVAREZ AND THE INCREDIBLY TALENTED TEAM AT CREATURE ENTERTAINMENT, THANK YOU FOR YOUR STUNNING CREATIVITY, INCREDIBLE TALENT AND FOR TURNING OUR DREAM INTO A REALITY!



- GARY L. BERMAN, CREATOR THE CYBERHERO ADVENTURES: DEFENDERS OF THE DIGITAL UNIVERSE CEO, CYBERMAN SECURITY, LLC

TO LEARN MORE ABOUT SPONSORSHIPS OR TO CREATE A CUSTOM EDITION FOR YOUR ORGANIZATION, PLEASE EMAIL GARY@CYBERHERONETWORK.COM

www.cyberheronetwork.com



Use Medigy.com to discover the tools that your fellow healthcare cyberheroes use!

A COMCAST COMPANY

We detect threats others don't

Learn more at www.bluvector.io

Cyberlitica Enterprise Threat Intelligence

Dark Web & Domain Monitoring

Chatroom-Surveillance

SMB Cyber Survival Kit

https://www.cyberlitica.com/

SOMEWHERE...A CYBERCRIMINAL IS BREACHING A WIRELESS DEVICE AND STEALING VALUABLE DATA, BUT FEAR NOT... WIRELESS WARRIOR IS HUNTING DOWN DANGEROUS HACKERS!!!

YORKIE-PRO!!!

WIRELESS THREAT DETECTOR ABLE TO IDENTIFY AND LOCATE NEARBY DEVICES INCLUDING WICKED WI-FI, SHADY CELLULAR, BAD BLUETOOTH, AND MUCH MORE...



MEET THE REAL **WIRELESS WARRIOR!** SCOTT SCHOBER RUNS A TOP WIRELESS SECURITY FIRM & ALSO WRITES THESE BEST-SELLING **CYBERSECURITY** BOOKS...



WALLHOUND-PRO!!!

al L

SECURE ENTRYWAYS AND CORRIDORS WITH POWERFUL, FERROUS DETECTION.

ABLE TO DETECT HIDDEN PERSONAL ELECTRONICS, ON OR OFF, THESE SENSOR POLES CAN BE DEPLOYED ANYWHERE AS A SINGLE OR DUAL-POLE PORTAL IN HIGH FOOT TRAFFIC AREAS.

SENTRYHOUND-PRO!!!

DETECT CONTRABAND DEVICES THAT FOOL METAL DETECTORS AND AVOID FALSE TRIGGERS! PROTECTING GOV'T, MILITARY & LAW ENFORCEMENT FACILITIES, THIS WIRELESS THREAT DETECTION **MONITOR** CAN BE MOUNTED ANYWHERE TO **ALERT** AUTHORITIES TO AN ARRAY OF UNSECURE WIRELESS DEVICES.

SECURE STAFF & VISITORS FROM MALWARE ATTACKS AND MUCH MORE...

BOOKS + PRODUCTS AVAILABLE ON AMAZON.COM

OR DIRECTLY FROM WWW.BVSYSTEMS.COM



BERKELEY VARITRONICS SYSTEMS, INC. IS A 50 YEAR OLD, PRIVATELY OWNED BUSINESS AND A PROUD MEMBER OF CYBER HERO ADVENTURES. ALL PRODUCTS MADE IN THE USA.



Defenders of the DIGITAL UNIVERSE



George Antoniou

writer creator

writer

technical advisor

pencils

Daniel Dulitzky

character design colors

Rey Acevedo

inks

Andres Labrada cover art

PhD

cover colors



© 2021 Cyberman Security, LLC

All characters, the distinctive likenesses thereof and all related indicia are trademarks of Cyberman Security, LLC. The stories, characters and incidents featured in this publication are entirely fictional. Any similarities to persons, living or dead, are purely coincidental.

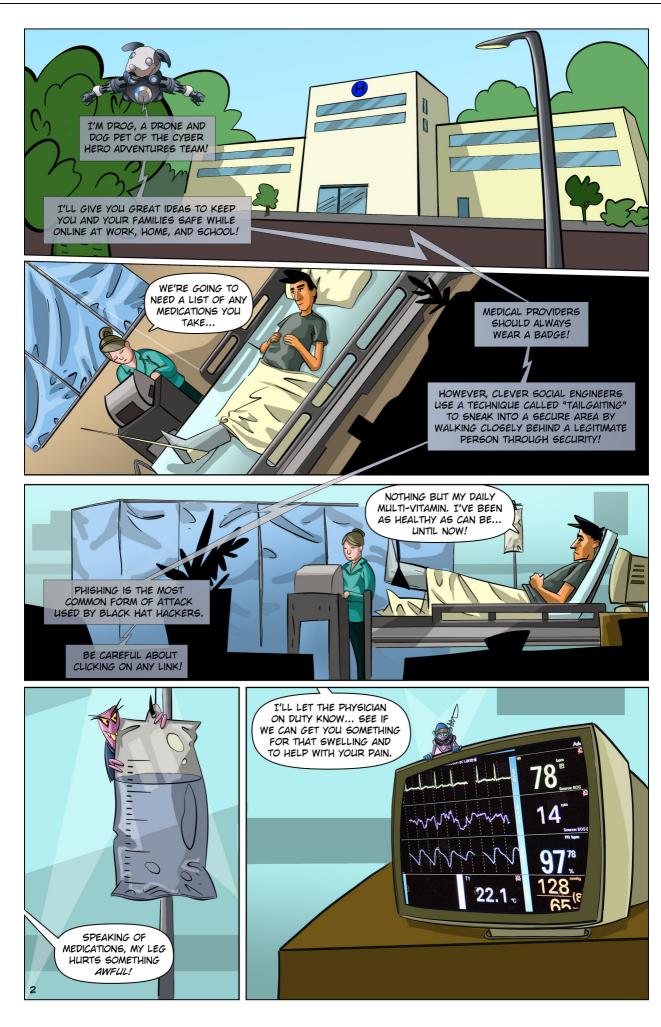
Disclaimer:

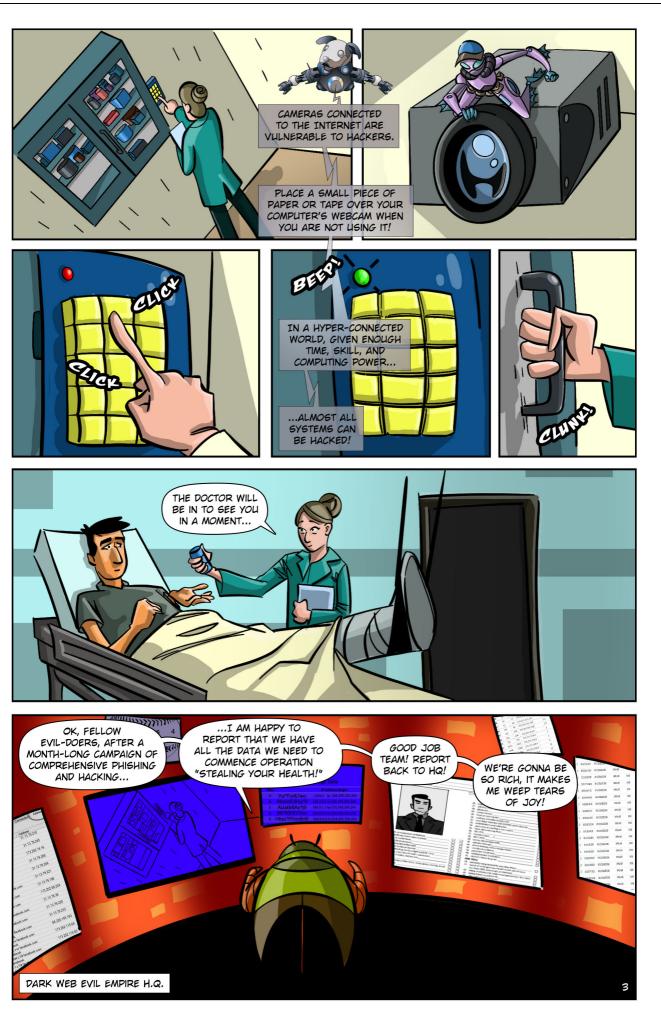
Cyberman Security, LLC is the publisher of The Cyber Hero Adventures: Defenders of the Digital Universe. The content and information in this publication is very general and provided as a service, for informational purposes only. We try to keep our themes timely and relevant and present our ideas in an entertaining, thought-provoking way. However, the information and material in this publication should not and cannot be relied upon, whether for business, commercial or personal purposes. Everyone's situation is different and you should always consult professionals who can review your particular situation and provide you with advice and guidance appropriate to your particular circumstances. So we are clear, neither Cyberman Security, LLC or any of its officers, managers, owners, employees, agents or representatives are or can be held responsible or liable if you choose to refer to or use any of the information in this publication and the risk of doing so is solely and exclusively yours.

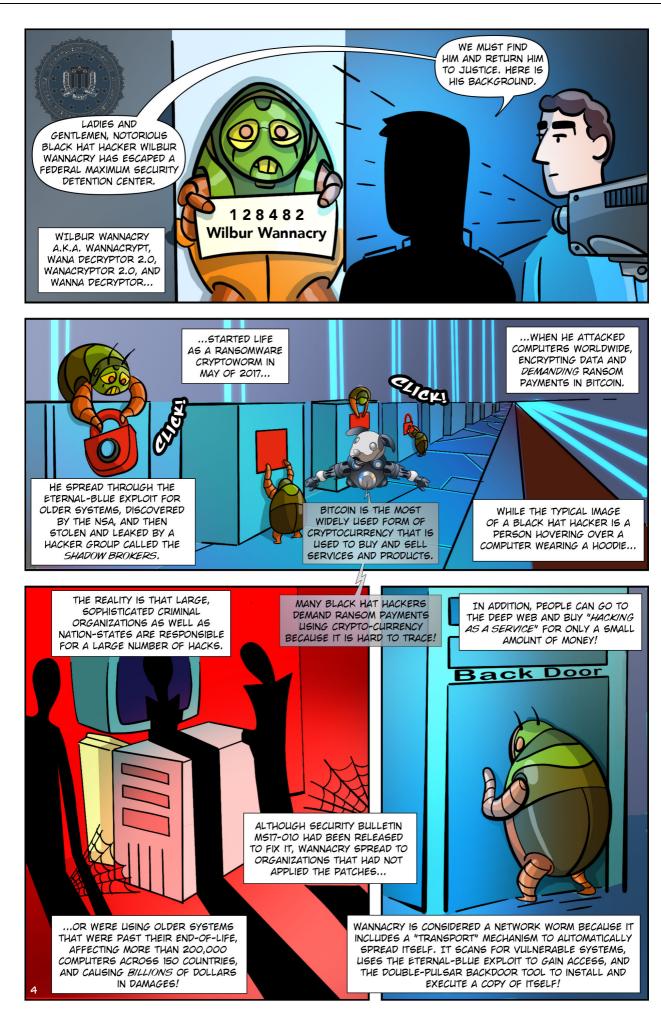
WWW.CYBERHERONETWORK.COM

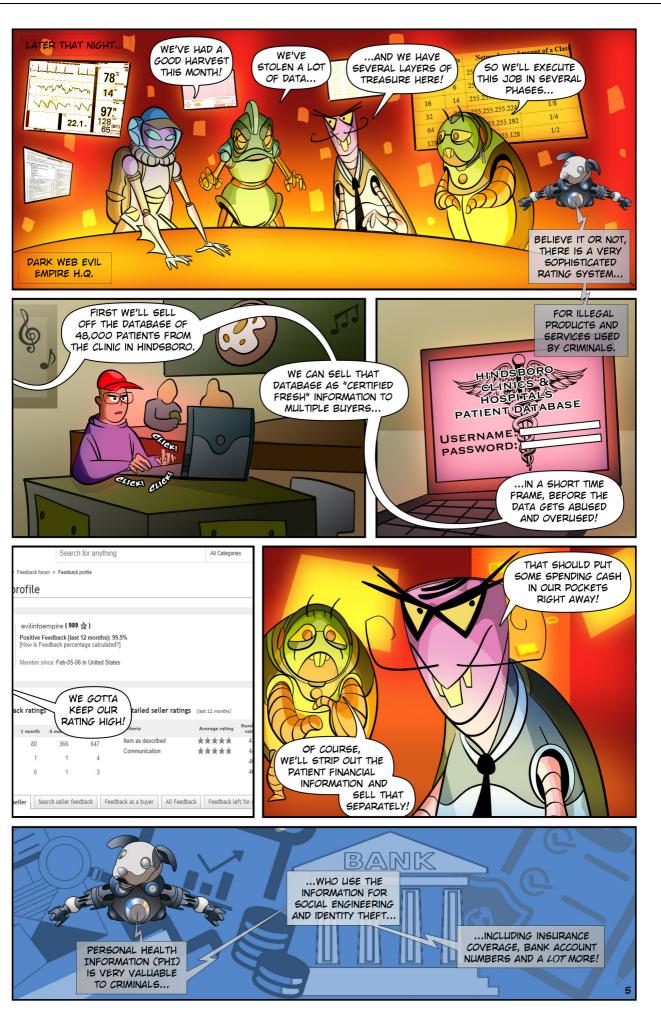
Printed in the USA

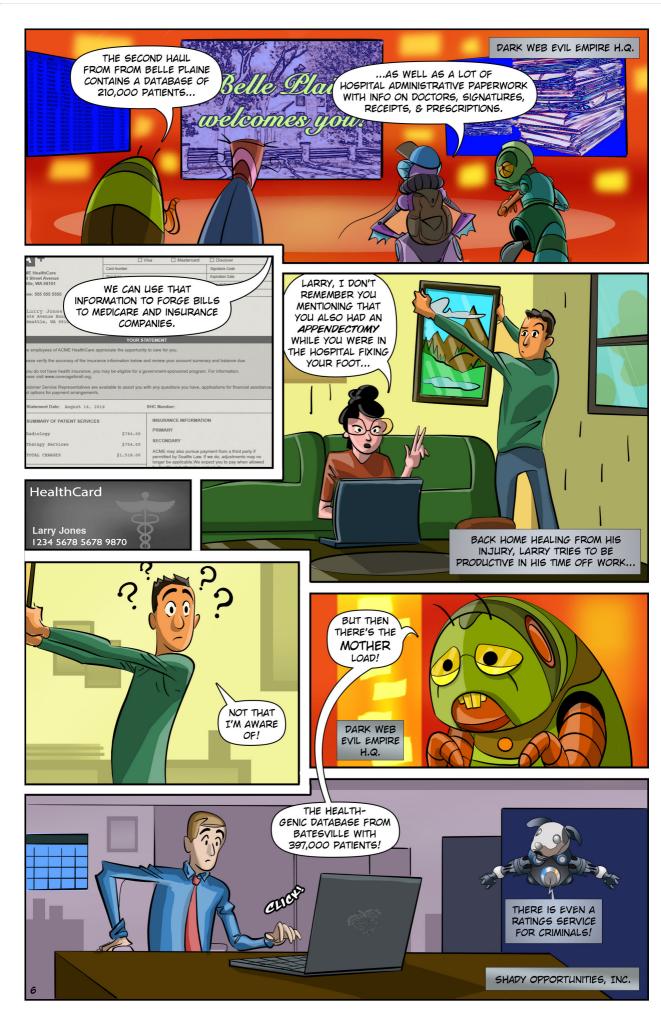


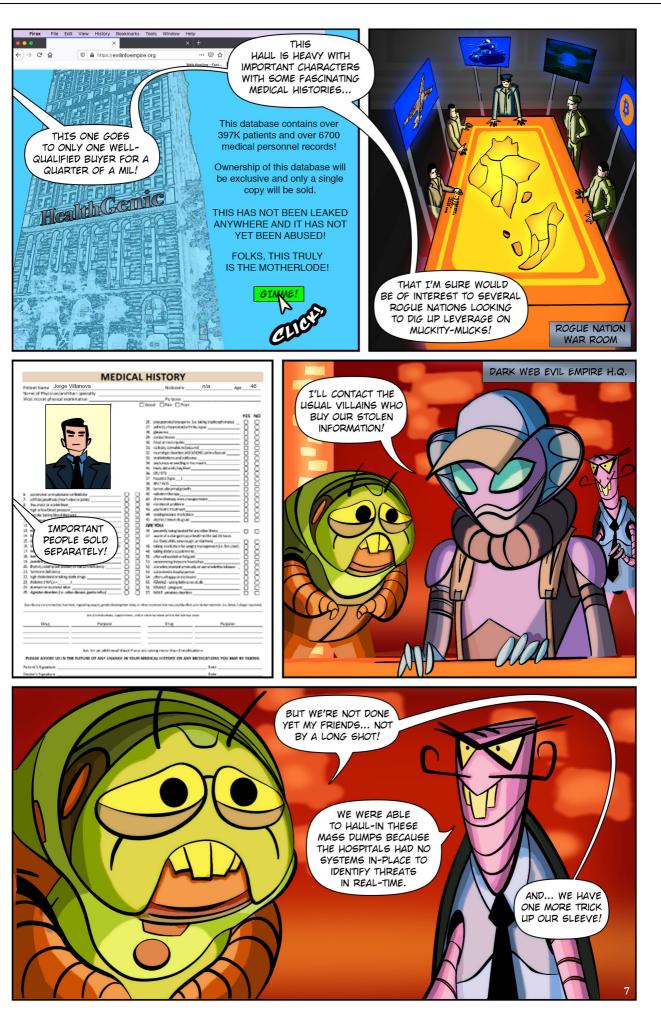


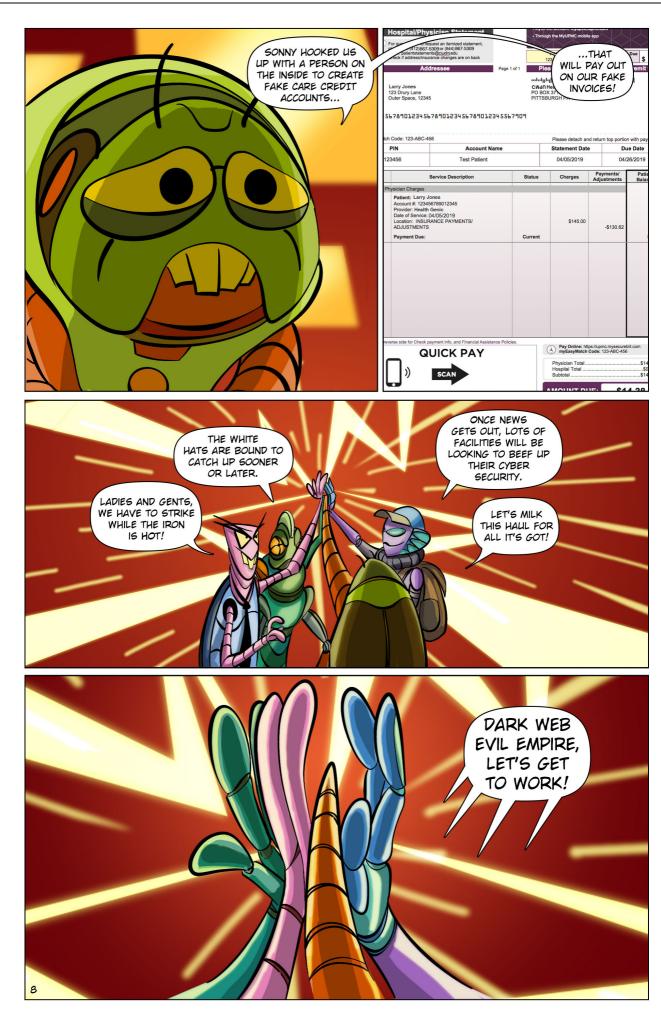


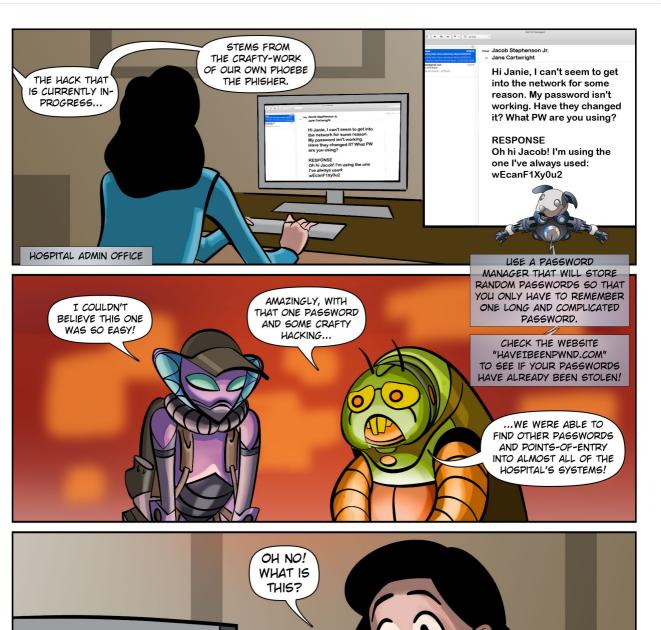












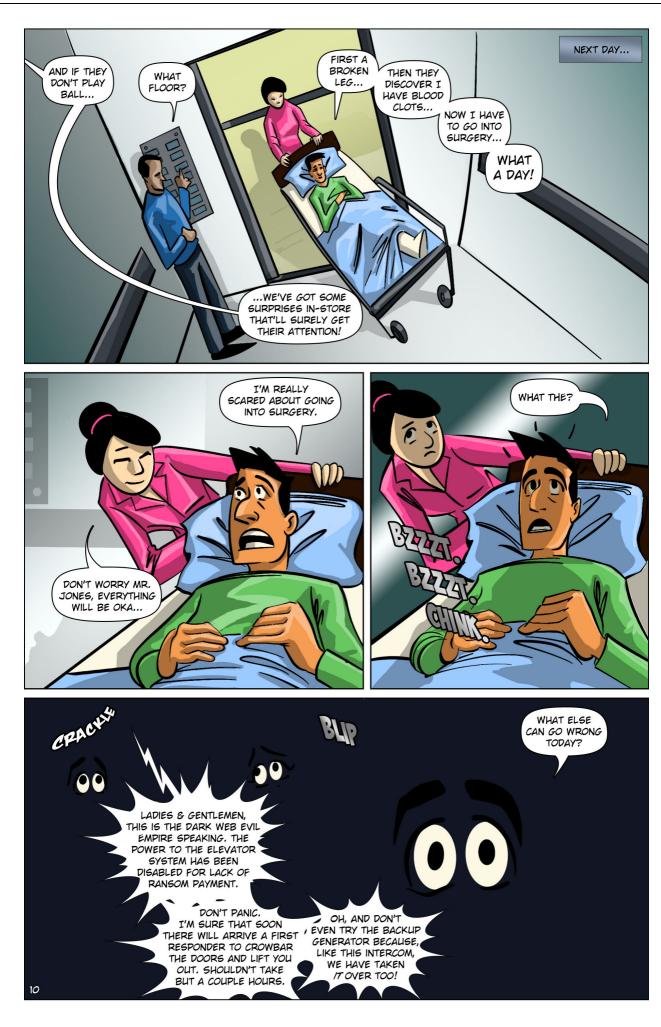
Your data has been locked and is being stored safely.

You have 24 hours to pay US\$80,000.00 in Bitcoin crypto-currency.

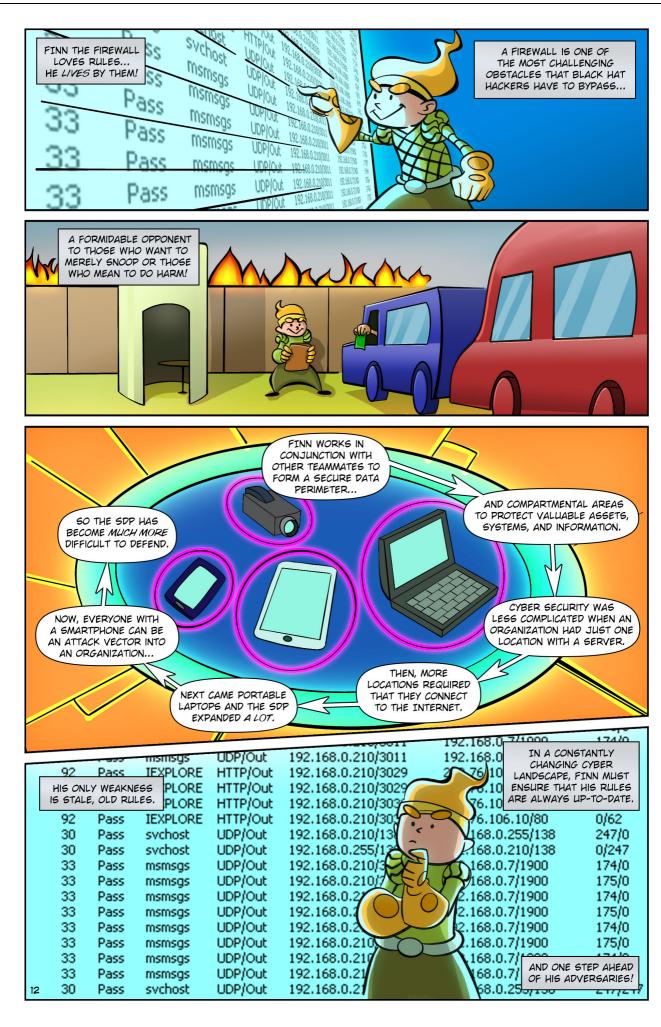
After 24 hours, you must pay US\$250,000.00.

After 48 hours, your data will be destroyed.

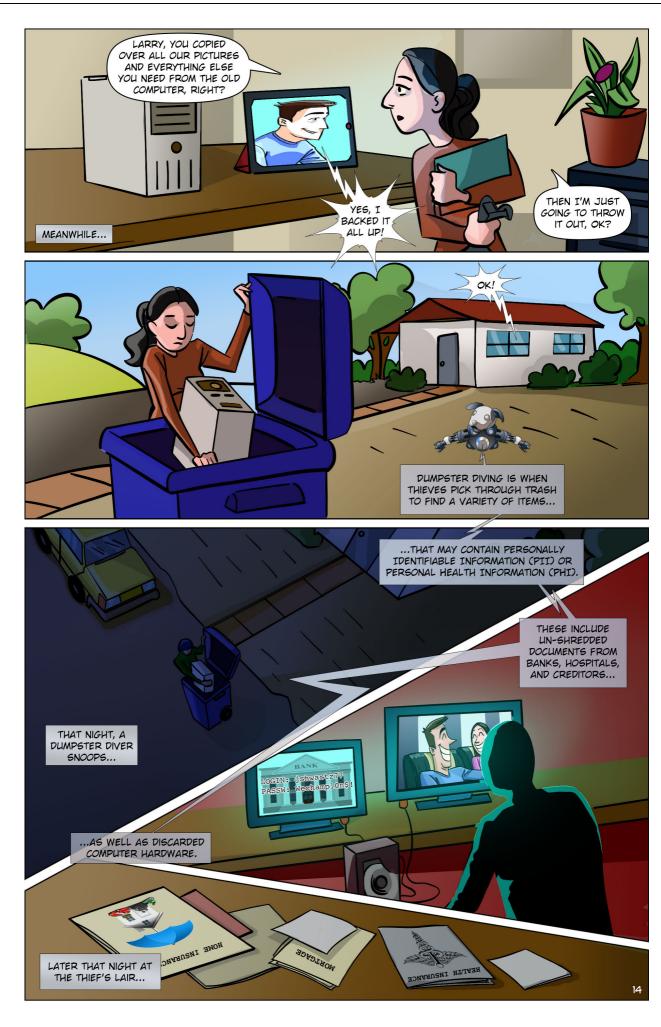
Click here for Bitcoin instructions.

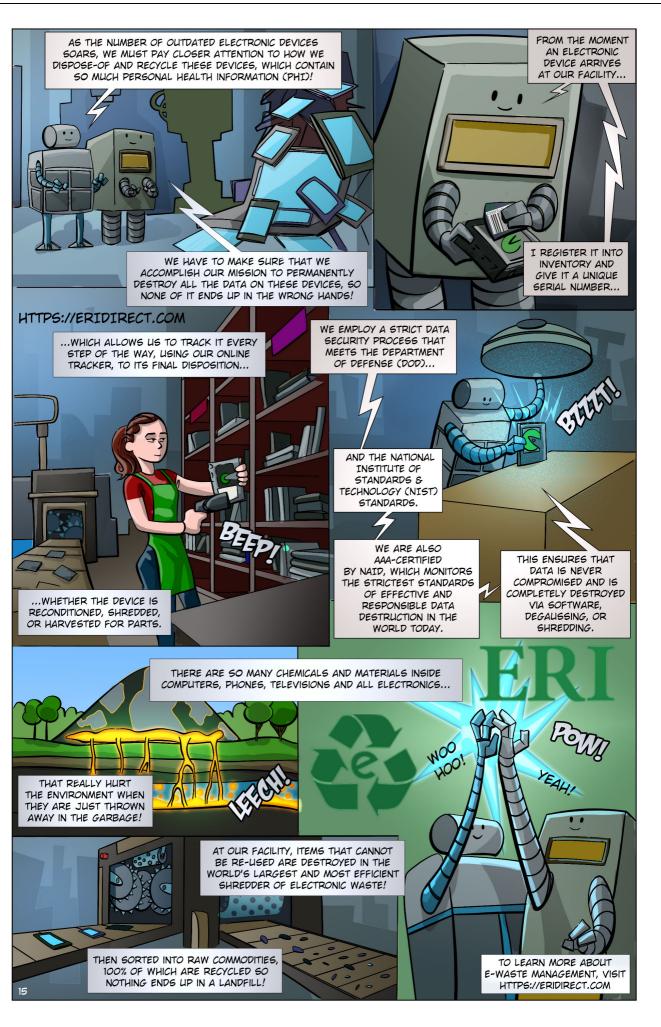


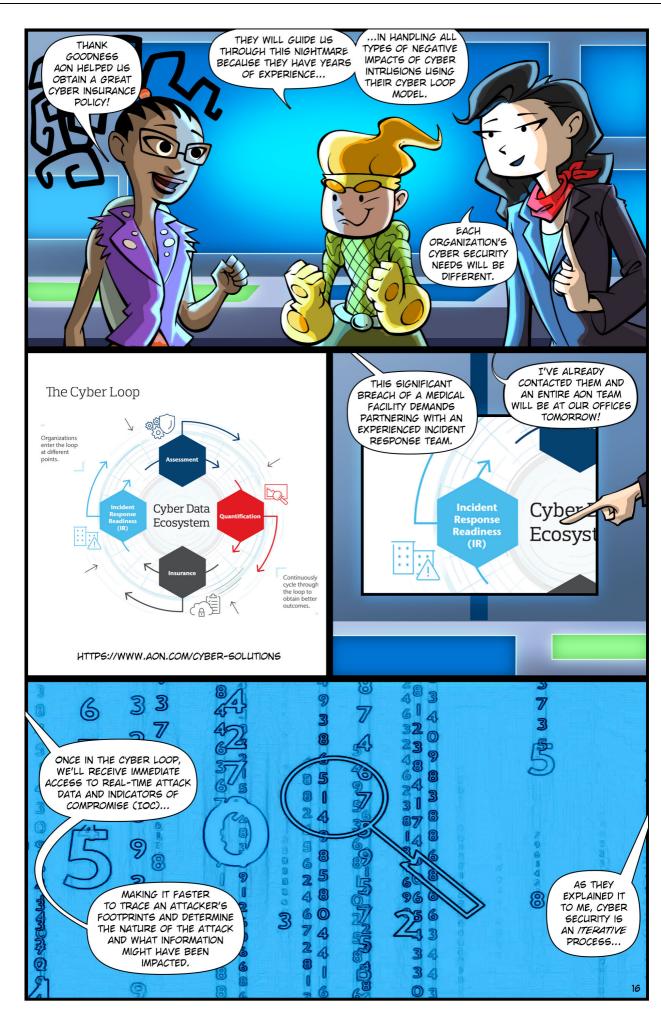


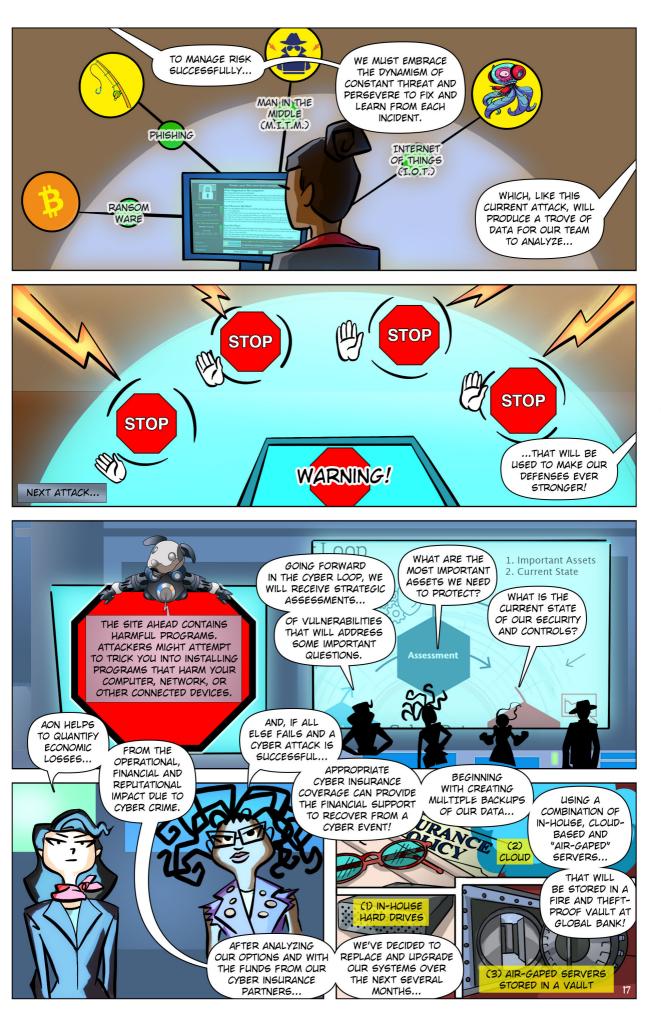


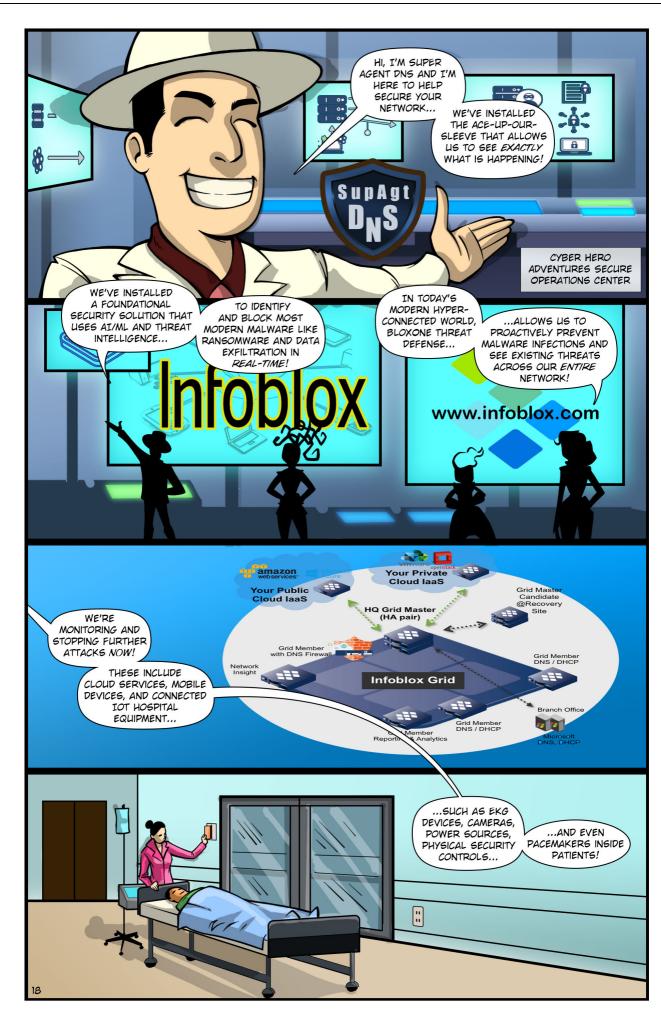


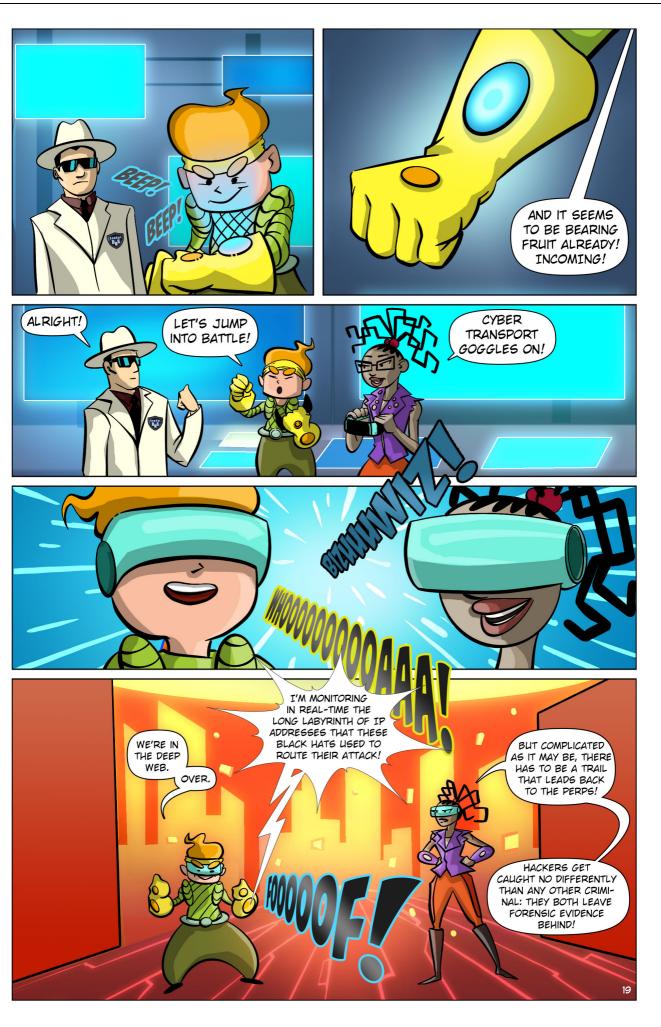


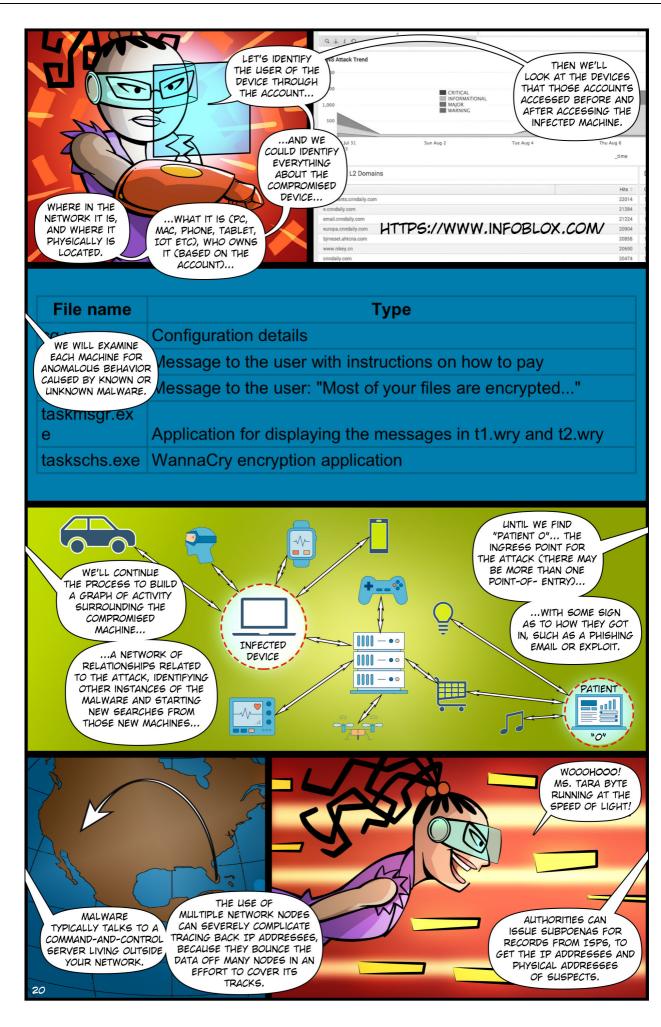


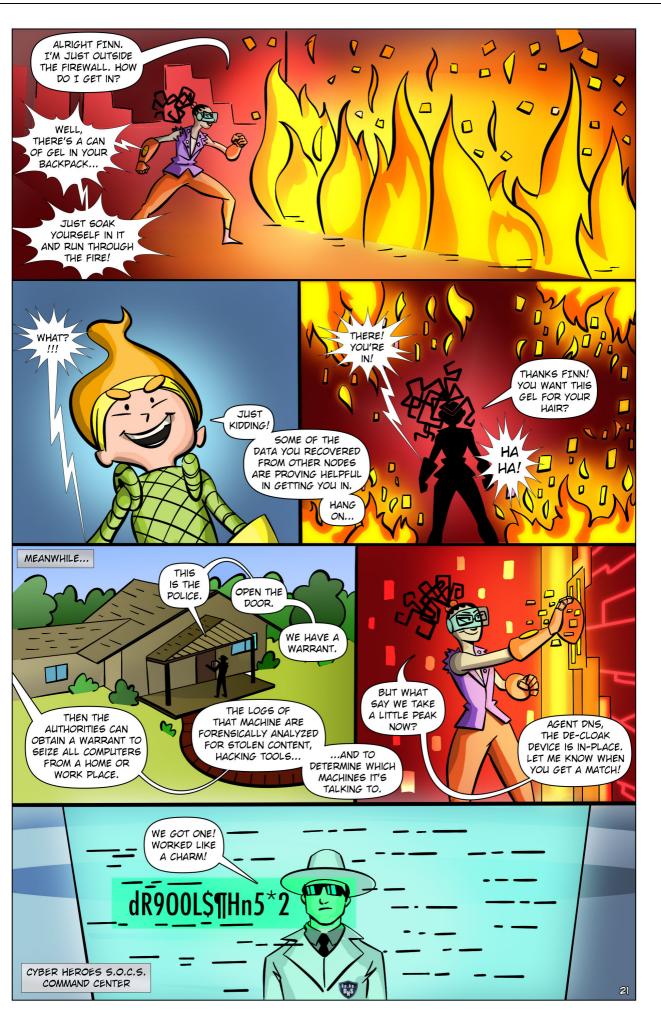


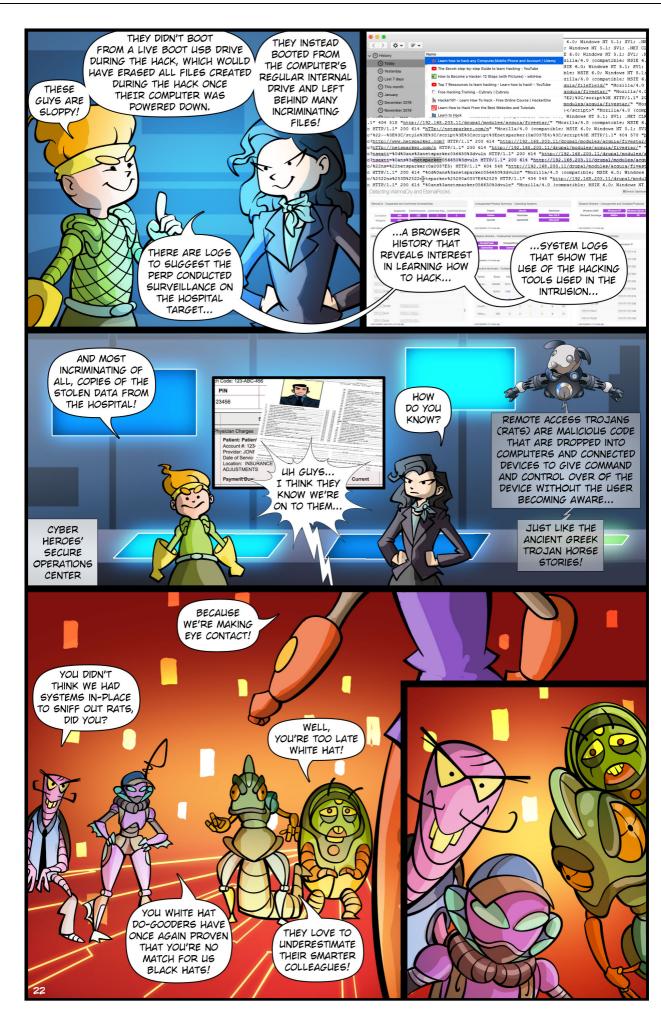
















SHE IS ALWAYS READY TO INFORM USING HER METICULOUSLY RESEARCHED POWER PRESENTATION SLIDES THAT PROJECT FROM A LENS IN HER COSTUME. SHE SUBDUES HER ADVERSARIES WITH SLIDES SO DENSE WITH DATA THAT THEY ARE OVERCOME BY INSTANT SLUMBER!

THE PRESENTER IS A SKILLED WHITE-HAT EX-HACKER, WHO NOW SPENDS HER TIME PROMOTING CYBERSECURITY EDUCATION AND FACILITATING PARTNERSHIPS BETWEEN GOVERNMENT, ACADEMIA, AND THE PRIVATE SECTOR FOCUSED ON SUPPORTING PEOPLE'S ABILITY TO ADDRESS CURRENT AND FUTURE CYBERSECURITY ISSUES AND WORKFORCE CHALLENGES THROUGH STANDARDS AND BEST PRACTICES.

03

EVEN HER JOB DESCRIPTION PUTS YOU TO SLEEP!



NOW MEET THE GOOD PEOPLE!

THE CYBERHEROES DEFENDERS OF THE DIGITAL UNIVERSE!



JACK THE FIREWALL LOVES RULES. HE LIVES BY RULES. HE DENIES AND ALLOWS ENTRY BY RULES. HE DOES HIS JOB QUIETLY AND UNDER THE RADAR. MOST OF THE TIME, YOU DON'T EVEN KNOW HE IS THERE. HE'S ONE OF THE MOST CHALLENGING OBSTACLES THAT HACKERS HAVE TO BYPASS. A FORMIDABLE OPPONENT TO THOSE WHO WANT TO MERELY SNOOP OR THOSE WHO MEAN TO DO HARM! HE WORKS IN PARALLEL WITH OTHER FIREWALLS AND TEAMMATES TO FORM DATA DMZ'S AND COM-PARTMENTAL AREAS TO PROTECT VALUABLE ASSETS, SYSTEMS, AND INFORMATION. HIS ONLY WEAK-NESS? STALE, OLD RULES. IN A CONSTANTLY-CHANGING CYBER LANDSCAPE, JACK MUST ENSURE THAT HIS RULES ARE ALWAYS UP-TO-DATE AND ONE STEP AHEAD OF HIS ADVERSARIES!

WHILE ON TOUR OF THE FACILITY, LARRY AND SUPER AGENT K MEET TARA BIGHT, WHO WORKS AT THE INSTITUTE. THEY ARE INSTANTLY IMPRESSED WITH HER PASSION, KNOWLEDGE AND SKILLS AS A PROGRAMMER.

TARA CAME FROM HUMBLE BEGINNINGS. AGAINST ALL ODDS, AND WITH THE HELP OF EXPERT MENTORS IN THE TECHNOLOGY AND CYBERSECURITY FIELDS, SHE PROVED TO BE A LIGHTNING-FAST CODER.

0

SHE HAS DEDICATED HER CAREER TO OPENING UP THE WORLD OF CODING TO CHILDREN AND TO IMBUE A LOVE OF TECHNOLOGY IN THEM. TARA IS THE "PIED PIPER" OF PROGRAM-MERS. HER MAIN MOTIVA-TION IS TO SHATTER THE GLASS CEILING FOR DIVER-SITY IN TECHNOLOGY.

TO DEFEAT A HACKER, YOU NEED A BETTER HACKER!

AND THE CYBERHEROES HAVE TWO OF THE VERY BEST!

D

D

LARRY JONES (A.K.A. CYBER HERO) KNEW THAT HE NEEDED HELP TO LEARN ABOUT TECHNOLOGY AND HACKING. THE MOST IM-PORTANT THING THAT HE NEEDED TO UNDERSTAND WAS: WHY DO HACKERS DO WHAT THEY DO? AFTER LISTENING AND LEARNING ABOUT HACKING AND CYBER SECU-RITY FROM THE AMAZING PEOPLE IN LAW ENFORCEMENT, SUCH AS THE FBI, CYBER SECURITY EX-PERTS, THE DEPARTMENT OF DE-FENSE, THE DEPARTMENT OF HOMELAND SECURITY AND ACA-DEMIA, LARRY BEGAN TO UN-DERSTAND THAT ALMOST ALL OF THE HACKERS WERE

THERE WERE ALSO MANY GREAT PEOPLE WHO WERE THREAT RESEARCHERS WHO DIS-COVERED VULNERABILITIES IN COMPUTERS AND CONNECTED DEVICES TO HELP PROTECT US ALL (GREY HATS). LARRY KEPT HEARING THE NAME OF ONE PERSON WHO WAS CONSISTENTLY MENTIONED AS BEING THE BEST HACKER IN THE UNIVERSE. QUEEN JIO. FROM THE MOMENT THAT SHE WAS BORN, HER PARENTS KNEW THAT SHE WAS DESTINED TO BECOME A POWERFUL LEADER AND ROLE MODEL AND TO SHED SUNLIGHT ON A DARK WORLD, SO THEY NAMED HER JIO (AN ANCIENT TERM FOR SUN"). HER FIRST WORDS WERE WHO. WHAT, WHERE, WHEN AND MOST IMPORTANTLY_HOW? SHE QUICKLY DISCOVERED COMPUTERS AND ACTUALLY TRYING TO HELP (WHITE HATS) BY PROGRAMMING AND HER DESTINY WAS SEALED TO SPREAD SUNSHINE ON A DIVERSE

AND INCLUSIVE WORLD.

GUEEN JIO

DEFENDING THE WORLD AGAINST CYBER CRIMINALS (BLACK HATS).

JUSTINA IS A FIRST-GENERATION AMERICAN OF MEXICAN HERITAGE. FROM A YOUNG AGE, SHE DEFENDED THE DEFENSELESS. SINCE THEN, SHE ALWAYS KNEW SHE WOULD BE A LAWYER.

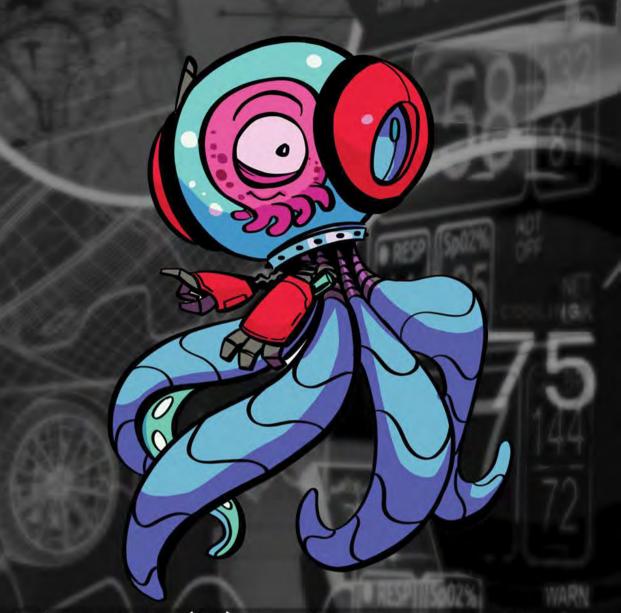
SHE SET OUT TO LEARN ALL SHE COULD ABOUT THE JUDICIAL SYSTEM. MANY YEARS LATER SHE BECAME A PUBLIC DEFENDER, DEFENDING THE RIGHTS OF THE ACCUSED. ONE DAY, SOMETHING SHOCKING HAPPENED TO JUSTINA AND HER COLLEAGUES, WHEN SHE CLICKED ON AN EMAIL AND ALL THE COMPUTERS IN THE OFFICE FROZE. SHE LATER LEARNED HER OFFICE WAS BEING HELD FOR RANSOM. THEY HAD TO DECIDE: SHOULD THEY PAY? OR SHOULD THEY FIGHT?

JUSTINA FOUGHT. HARD. EVENTU-ALLY, SHE EVEN IDENTIFIED THE HACKER... OR SO SHE THOUGHT. WORKING WITH LAW ENFORCEMENT, SHE REAL-IZED THAT THE LEGAL SYSTEM HAD NOT KEPT PACE WITH THE CHANGING WORLD OF TECH-NOLOGY. IN TIME, JUSTINA WAS UNABLE TO BRING THE CRIMINAL TO JUSTICE.

> WHEN THE CYBER HEROES SHARED THEIR STORIES, SHE INSTANTLY TOLD THEM:

> > "I'M IN!"

USTIAJAEGOB EDEFENDER



THE INTERNET OF THINGS (IOT) IS A NETWORK OF PHYSICAL DEVICES THAT IN-CLUDES VEHICLES, HOME APPLIANCES, HEART MONITORING IMPLANTS, STREET LIGHTS, BIOCHIP TRANSPONDERS, CAMER-AS STREAMING LIVE FEEDS, AND OTHER ELECTRONIC DEVICES EMBEDDED WITH SOFTWARE, SENSORS, AND ACTUATORS. EACH THING IS UNIQUELY IDENTIFIABLE BUT IS ABLE TO OPERATE WITHIN THE EX-ISTING INTERNET INFRASTRUCTURE. PRETTY MUCH ANY OBJECT CAN BE TURNED INTO AN IOT DEVICE IF IT CAN BE CONNECTED TO THE INTERNET AND CONTROLLED THAT WAY. THE TERM 'IOT' IS USED FOR DEVICES THAT WOULDN'T GENERALLY BE EXPECTED TO HAVE AN INTERNET CONNECTION, AND THAT CAN COMMUNICATE WITH THE NETWORK INDEPENDENTLY OF HUMAN ACTION. THEREFORE, PCS AND SMARTPHONES AREN'T CONSIDERED IOT DEVICES.

TOI SOUTBTELEETIE



LARRY IS A "REGULAR GUY" WHO IS AN EXPERT AT MARKETING COMMUNICATIONS AND CORPORATE TRAIN-ING. HE RAN A SUCCESSFUL COMPANY THAT WAS SUB-SEQUENTLY SOLD TO GLOBALCOMM. EVERYTHING WAS GOING GREAT UNTIL ONE DAY HE RECEIVED A FATEFUL CALL. UNBEKNOWNST TO HIM, ONE OF LARRY'S EXECU-TIVES PHONED GLOBALCOMM PRETENDING TO BE A WHISTLE-BLOWER AND SPREAD A RUMOR THAT THERE WAS RAMPANT FRAUD THROUGHOUT LARRY'S COMPANY AND THAT ALL CLIENTS SHOULD STOP ALL COMMUNI-CATIONS!

LARRY LOST MILLIONS OF DOLLARS AND HIS HOME. HE WAS FORCED TO FIRE ONE HUNDRED EMPLOYEES. ONLY YEARS LATER, LIKE PEELING THE LAYERS OF AN ONION, LARRY BEGAN TO UNDERSTAND THAT HE WAS BEING

LARRY JONES

VICTIMIZED BY A SERIES OF INSIDER CYBER ATTACKS THAT FUNNELED HIS BUSINESS INTO A SHADOW COMPA-NY CONTROLLED BY SEVERAL FORMER EXECUTIVES. THEY SPOOFED HIS WEBSITE, RE-DIRECTED CALLS TO THE SHADOW COMPANY AND DESTROYED HIS REPUTATION.

UNABLE TO PROVE HIS CASE AND RECEIVE JUSTICE DUE TO THE DIFFICULTY OF IDENTIFYING THE PLOT AND THE HACKER, LARRY DECIDED TO PIVOT FROM BEING A VICTIM TO BECOMING AN ADVOCATE. HE LEARNED EV-ERYTHING HE COULD ABOUT CYBER SECURITY. LIKE DOROTHY IN THE WIZARD OF OZ, LARRY MEETS WON-DERFUL CYBERHEROES ALONG THE WAY, WHO ARE MIS-SION-DRIVEN CHARACTERS JOINING HIM ON HIS QUEST TO RAISE AWARENESS OF CYBERCRIME AND TO DEFEND THE DIGITAL UNIVERSE!

ECYBERHERO!

MEET THE CYBER VILLAINS OF THE DARK WEB!



AND BEWARE... THEY LURK IN YOUR COMPUTER, NETWORK, SMARTPHONE, CAR, WEBCAM, THERMOSTAT, BABY MONITOR... EVEN YOUR VACUUM CLEANER! THEY LIVE IN A PLACE WHERE EVEN GOOGLE WON'T TREAD...

THE DARK WEB!

WANNACRY IS AN INSIDIOUS FORM OF RANSOMWARE CRYPTOWORM THAT ATTACKED THE MICROSOFT WINDOWS OPERATING SYSTEMS OF INDIVIDUALS AND BUSINESSES AROUND THE WORLD BY ENCRYPTING THE USER'S DATA (LOCKING THEM OUT OF THEIR COMPUTER) AND DEMANDING RANSOM IN DIFFICULT-TO-TRACE DIGITAL CURRENCIES SUCH AS BITCOIN TO UNLOCK IT, MAKING APPREHENDING AND PROSECUTING THE PERPETRATORS DIFFICULT. THE ATTACK WAS UNPRECEDENTED IN SCALE, INFECTING MORE THAN 230,000 COMPUTERS IN OVER 150 COUNTRIES.

\$\$\$\$85

11Su

RANSOMWARE ATTACKS ARE ATTACKS ARE TYPICALLY CARRIED OUT USING A TROJAN HORSE DISGUISED AS A LEGITIMATE FILE. THE USER IS DUPED INTO DOWNLOADING OR OPENING IT IN AN EMAIL ATTACHMENT. HOWEVER, THE WANNACRY WORM WAS ABLE TO TRAVEL AUTOMATICALLY BETWEEN COMPUTERS WITHOUT ANY USER INTERACTION.

THE CRIMINALS BEHIND WANNACRY ARE STILL OUT IN THE WORLD, DEVELOPING NEW TRICKS, CODING NEW MALWARE, PLANNING THEIR

NEXT BIG ATTACK

2222

<u>:U</u>;?

32

IVAN STEALS YOUR NAME, DATE OF BIRTH, SOCIAL SECURITY NUMBER, DRIVER'S LICENSE NUMBER, BANK ACCOUNT AND CREDIT CARD NUMBERS, PIN NUMBERS, ELECTRONIC SIGNATURES, FINGERPRINTS, AND PASSWORDS ... ALL IN AN EFFORT TO BECOME YOU! AT LEAST FOR THE PURPOSES OF STEALING YOUR MONEY AND APPLYING FOR LOANS CREDIT CARDS IN YOU'LL TYPICALLY A VARIETY OF

• RUMMAGING GARBAGE FOR PERSONAL DOCUMENTS AND PHONES.

• STEALING YOUR CREDIT CARDS, CARDS, PASSPORTS AND TOKENS.

• GUESSING COMMON QUESTIONS SUCH AS: NAME?", "FIRST CAR "FIRST PET'S • SKIMMING

CREDIT CARDS USING HAND-HELD CARD READERS.

Charges

YOUR NAME! FIND IVAN AT ILLICIT ACTIVITIES: THROUGH YOUR UN-SHREDDED OR OLD HARD DRIVES

> MAIL TO OBTAIN IDENTIFICATION AUTHENTICATION

KNOWLEDGE "MOTHER'S MAIDEN MODEL?" OR NAME?" INFORMATION FROM

VAN

EDENTITY THIEF

TY OR HORSE GRAMS. • HACKING COM-BASES TO OBTAIN LARGE QUANTITIES. • BRUTE-FORCE WORDS. • BROWSING SITES FOR PER-BY USERS. • DIVERTING

IN ORDER TO TION AND CRE-CARDS, BILLING STATEMENTS, OR NEW ACCOUNTS MENTS OPENED THIEVES IN THE • USING 'CONTACTLESS' CREDIT CARD READERS TO ACQUIRE DATA WIRELESSLY. • DISCREETLY WATCHING OR HEARING OTHERS PROVIDING VALU-ABLE PERSONAL INFORMATION (SHOULDER-SURFING). • STEALING PERSONAL INFORMA-TION FROM COMPUTERS USING BREACHES IN BROWSER SECURI-MALWARE SUCH ASTROJAN

KEYSTROKE LOGGING PRO-

PUTER NETWORKS AND DATA-PERSONAL DATA, OFTEN IN

ATTACKING WEAK PASS-

SOCIAL NETWORKING SONAL DETAILS PUBLISHED

VICTIMS' EMAIL OR MAIL OBTAIN PERSONAL INFORMA-DENTIALS SUCH AS CREDIT AND BANK/CREDIT CARD TO DELAY THE DISCOVERY OF AND CREDIT AGREE-BY THE IDENTITY VICTIMS' NAMES.

Payment Activity

THE PHISHER

HUNTS ITS PREY BY PRETENDING TO BE LEGITIMATE COMMUNICATION FROM A TRUSTED COMPANY (OF WHICH OFTEN THE VICTIM IS A CUSTOMER) - OR -FROM THE HIJACKED IDENTITY OF A FRIEND, COLLEAGUE, OR FAMILY MEMBER.

USING ONE OF MANY RUSES (USUALLY INVOLVING SOME "PROBLEM" WITH THE ACCOUNT), THE PHISHER ENCOURAGES THE POTENTIAL VICTIM TO DIVULGE SENSITIVE INFORMATION, SUCH AS LOG-IN IDS, PASSWORDS, PINS, SOCIAL SECURITY NUMBERS, ETC. This information is quickly used to steal money from accounts and to apply for fraudulent loans and credit cards. Undoing the damage caused by identity theft usually takes months of phone calls, written communication, and lots of legal and financial red tape. Knowing how to spot the signs of a phishing attack (looking at the sender's actual email address, for example) can be the difference between an odyssey of frustration and the simple action of deleting the email and being done with it.

> As a general rule, NO LEGITIMATE COMPANY WILL EVER ASK A CUSTOMER TO DIVULGE SENSITIVE INFORMATION VIA EMAIL. WHEN IN DOUBT, INSTEAD OF CLICKING THE LINK PROVIDED IN THE EMAIL, TYPE THE COMPANY'S URL DIRECTLY INTO YOUR BROWSER OR CALL A COMPANY

REPRESENTATIVE USING A KNOWN OR PUBLISHED PHONE NUMBER INSTEAD OF A PHONE NUMBER PROVIDED IN THE EMAIL.

REFIELER



HALF HUMAN, HALF INSECT, BORIS IS ABLE TO DETECT AND EXPLOIT VULNERABILITIES IN TECH DEVICES TO GAIN UNAUTHORIZED ACCESS PRIVILEGES, COMPROMISE DATA CONFIDENTIALITY AND INTEGRITY, AND WREAK HAVOC ON EVERYTHING HE TOUCHES. BORIS HAS BEEN CREATING CHAOS FOR A LONG TIME. FOR EXAMPLE, IN 1996, A SOFTWARE BUG IN ITS GUIDANCE COMPUTER SOFTWARE FORCED THE EUROPEAN SPACE AGENCY TO DESTROY A \$1 BILLION ARIANE 5 PROTOTYPE ROCKET LESS THAN A MINUTE AFTER LAUNCH.

EISEUCCER

FRAUDSTER, SCAMMER, CONFI-DENCE ARTIST, GRIFTER, HUSTLER, CHAMELEON. HE GOES BY MANY NAMES. THEY ALL ADD UP TO ONE THING: SONNY THE SOCIAL ENGI-NEER IS A MASTER MANIPULATOR OF HUMAN BEHAVIOR. HIS GAME IS TO TRICK YOU INTO BELIEVING WHATEVER HE WANTS IN ORDER TO STEAL YOUR MOST VALUABLE AND PERSONAL INFORMATION.

HIS WEAPONS ARE BASED ON EMOTIONAL INTELLIGENCE. HE DOES NOT HESITATE TO TAKE ADVANTAGE OF THE MOST EXCITING OR SAD MOMENTS. HE WIELDS FEAR LIKE A WHIP. HE PREYS ON ANY PERCEIVED WEAKNESS TO BRING DOWN HIS TARGETS AND ENRICH HIMSELF IN THE PROCESS.

Solli

E SOGAL ENGINEER

THE **RAT** IS AN INSIDIOUS CREATURE WHO IS VERY CLEVER AND STEALTHY. **P**AY NO ATTENTION TO HIS HORSE-LIKE BODY OR HIS GNARLY RAT FACE... BUT TO THE LENGTH OF HIS TAIL. **I**T'S SINEWY AND ABLE TO INSERT ITSELF, WITHOUT DETECTION, INTO ANY DEVICE ON THE **I**NTERNET. **M**OST-COMMONLY IN

PARTNERSHIP WITH THE PHISHER, A SIMPLE CLICK ON A LINK IN AN OFFICIAL-LOOKING EMAIL LETS THE **RAT** AND HIS CREW INTO YOUR LIFE TO TURN IT UPSIDE-DOWN. ONCE INSIDE, HE COMPLETELY TAKES CONTROL OF YOUR ONLINE EXISTENCE, WHICH HE CAN THEN MANIPULATE, DESTROY, AND DELETE.

/ • `

THIS SICKLY CREATURE SPREADS ITS DISEASE AND CONTAMINATES EVERYTHING IT TOUCHES. A COMPUTER VIRUS IS MALI-CIOUS SOFTWARE ("MALWARE") THAT REPLICATES ITSELF BY MOD-IFYING OTHER COMPUTER PRO-GRAMS AND INSERTING ITS OWN CODE.

VERNAN THE VIRUS TEAMS UP WITH SONNY THE SOCIAL ENGINEER, EMPLOYING A VARIETY OF MECHANISMS AND DECEPTIONS, COMPLEX ANTI-DETECTION STEALTH STRATEGIES TO EVADE ANTIVIRUS SOFTWARE, AND DETAILED KNOWLEDGE OF SECURITY VULNERABILITIES TO INFECT NEW HOSTS AND SPREAD THE DISASTROUS VIRUS. THEY ARE A DANGEROUS DUO INDEED! CAUSING SYSTEM FAILURE, WASTING COMPUTER RESOURCES, CORRUPTING DATA, AND GREATLY INCREASING MAIN-TENANCE COSTS, VERNAN CAUSES BIL-LIONS OF DOLLARS' WORTH OF ECO-NOMIC DAMAGE EVERY YEAR. THE MO-TIVES FOR THESE CRIMES VARY - FROM SEEKING PROFIT TO SENDING A POLITI-CAL MESSAGE, SABOTAGE OR REVENGE, OR SIMPLY FOR PERSONAL AMUSEMENT.

VERMENTEN



Join our mission to shine the light on the UNSUNG CYBER HEROES who toil in anonymity to keep us safe and Defend the Digital Universe!

Meet members of The Cyber Hero Network who participate in highlevel, thought leadership Cyber Hero Adventures Shows, Micro Think Tanks and other B2B activities...

"Gary has put together a great show with some great talent from the cybersecurity space. From newbies to executives, everyone can stand to learn from Gary's fun and often funny (but serious) show highlighting the unsung heroes in cybersecurity".



Terry Dunlap Principal Program Manager at Microsoft



Samuel Visner Tech Fellow at MITRE "What a pleasure professionally to work with Gary Berman and Cyber Heroes! I've participated in several sessions he's hosted and produced and am pleased with the high caliber of the discussion he stimulates and end product he creates. Gary invites (and gets) some pretty high-powered people".

"Gary's show is highly relevant, informative and entertaining. His questions are always on point and his guests offer helpful insights to those of us in critical infrastructure. (You're a great host, Gary.)".



Michael Arceneaux Chief Operating Officer, AMWA / Managing Director, WaterISAC



Tina Gravel SVP Channels and Alliances at Appgate/Author/Influencer/ "Gary Berman is a marketing genius. With humor and aplomb he takes complex subjects and makes them accessible to everyone. He has been the pied piper for cyber security for several years now and his show is followed by thousands. I was honored to be featured myself and encouraged anyone who is invited to participate".



www.cyberheronetwork.com