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1000 Cuts

Brian David Johnson

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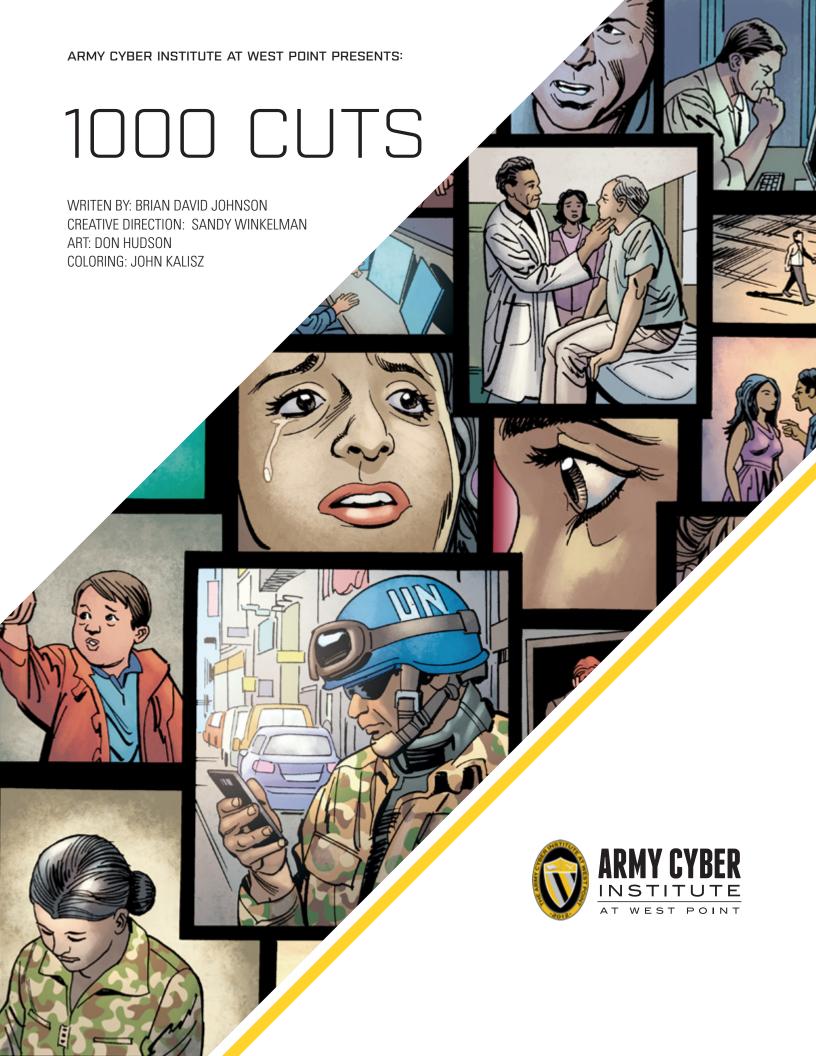


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BUILDING A BETTER, STRONGER AND MORE SECURE FUTURE FOR OUR ARMED FORCES

Science Fiction Prototypes are science fiction stories based on future trends, technologies, economics, and cultural change. The story you are about to read is based on threatcasting research from the Army Cyber Institute at West Point and Arizona State University's Threatcasting Lab. Our story does not shy away from a dystopian vision of tomorrow. Exploring these dark regions inspires us to build a better, stronger, and more secure future for our Armed Forces.

Lt. Col. Natalie Vanatta
Academy Professor
U.S. Army Cyber Institute

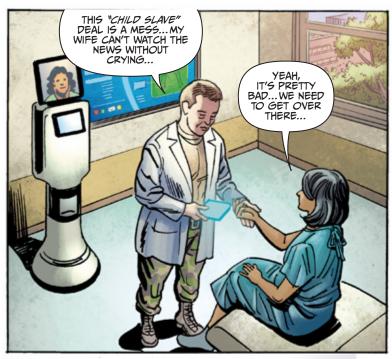
1000 CUTS

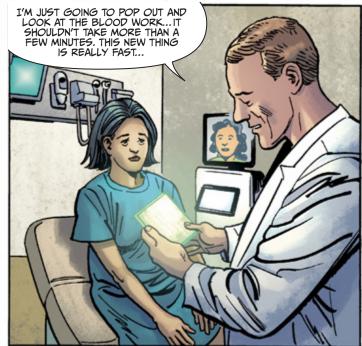
A foreign criminal organization has taken advantage of known vulnerabilities in network devices and online services comprising the global Internet of things. Violations of U.S. military operational security, breached network devices, and previously exposed personal information have enabled these nefarious actors to target individual members of a U.S. military unit deployed in support of U.N. peacekeeping operations. The distributed targeting of individual members of the unit has left the entire organization distracted from their military responsibilities. Subsequently, these attacks are enough to disrupt the entire unit's ability to adequately defend their base against the criminal organization's attacks. In other words, the deployed unit has suffered a death by a "1000 cuts."













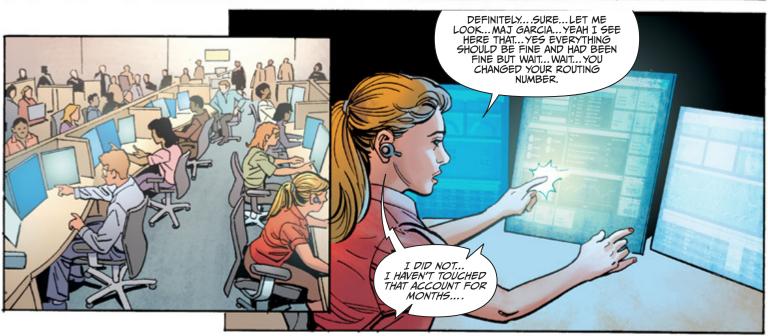








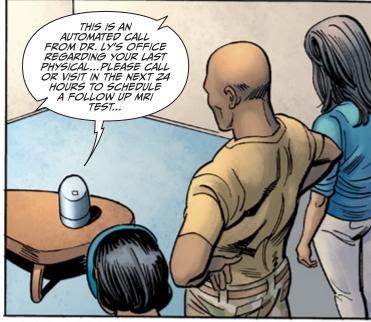


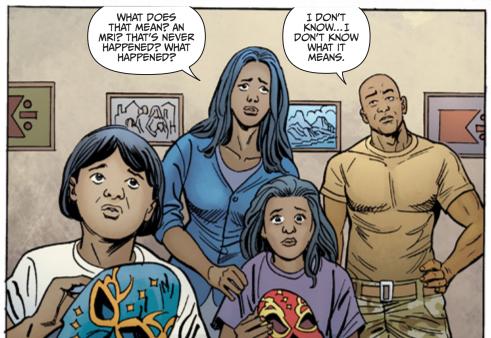




















BREAKING

- Hack compromises millions of US employee and military personnel records.

Four recent breaches of U.S. government databases containing personnel data exposed sensitive information of

millions, authorities say

World

SPECIALISTS CONTINUE TO PREPARE DURING DELAYED UPCOMING DEPLOYMENT.

WAITING TO DEPLOY, SPC. **ELLIS, AN EXPLOSIVE** ORDNANCE SPECIALIST HELPS DEACTIVATE AN IMPROVISED EXPLOSIVE DEVICE DURING A SIMULATED SCENARIO.

PROTECTING MILITARY FAMILIES, RECENT INCIDENTS SHOW.

MILITARY MEMBERS AND THEIR FAMILIES FACE UNIQUE CHALLENGES WITH BANKS. ON DEPLOYMENT, AN ERROR WITH SOMETHING AS SIMPLE AS A DIRECT DEPOSIT OR AUTOMATIC PAYMENT CAN MEAN HOURS OF WORK TO FIX.

US troop deployments to "Child Slave Miners" crisis delayed again.

U.S. military assistance for the Child Slave Miners relief efforts has been delayed the Pentagon said on Thursday.

> 14:15 LIVE

THEY BREACHED THE FRONT GATE. THE DEFENSE FORCES ARE WEAKER THAN WE ORIGINALLY THOUGHT. IT SEEMS TO BE WORKING.

LET'S SEE IF WE CAN RAMP UP THE ACTIVITY IN THE SOUTHWEST OF THE US. THERE'S MORE ACTIVITY THERE... LET'S SEE WHAT HAPPENS ...

AFTERWORD

As the number of personal devices connected to the Internet of things proliferates throughout the world, it causes the amount of personal information contained in this network to grow exponentially. The adoption of mobile networked devices by the global population promises to provide users with ubiquitous and efficient access to an increasing number of convenient online services. These services will require individuals to expose more of their personal information across potentially vulnerable networks in the future.

As illustrated in this story, the rapid growth and use of the Internet of things not only exposes individual members of society to attacks by subversive actors or groups, but presents an existential threat to entire organizations.

Could the U.S. military have prevented the attack presented in this scenario? If so, how? How do military organizations, as well as academic and commercial enterprises, implement policies, procedures, and technologies that educate their members and prevent these sorts of attacks in the near future?

