

# **The National Cyber League**

A COMMUNITY WHERE CYBERSECURITY IS A PASSION



# **The 2020 NCL Comics**

# featuring Nine Cybersecurity Adventures

nationalcyberleague.org

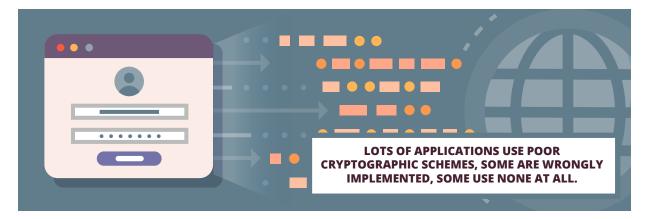
# NCL Comic Series: Open Source Intelligence Connecting the dots with OSINT.



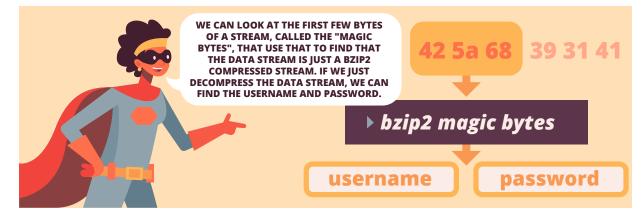


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# NCL Comic Series: Cryptography Magic bytes point the way.









#### NCL Comic Series: Password Cracking Hashcat heroine cracks password problem.



**INTERESTING... THIS IS A 32 CHARACTER SEQUENCE AND LOOKS TO BE HEXADECIMAL BASED ON THE CHARACTER SPACE HERE.** plaintext 629 THIS IS LIKELY A HASH OF THE ACTUAL PASSWORD. HASHES ARE USED TO SECURELY SAVE PASSWORDS WITHOUT KEEPING THE **ORIGINAL PLAINTEXT PASSWORD. 32 CHARACTER** LUCKILY, I HAVE MY HEXADECIMAL **TRUSTY PAL, HASHCAT, REPRESENTS 16 BYTES OF** THAT CAN CRACK HASHES DATA, OR 128 BITS, WHICH LIKE THESE! **IS THE SIZE OF THE MD5** HASH DIGEST. 0. THANK YOU AND HASHCAT WE DID IT FOR HELPING US CATCH AGAIN! **THESE BAD HACKERS!** 

## NCL Comic Series: Log Analysis Lead SOC analyst injects order, solves case.



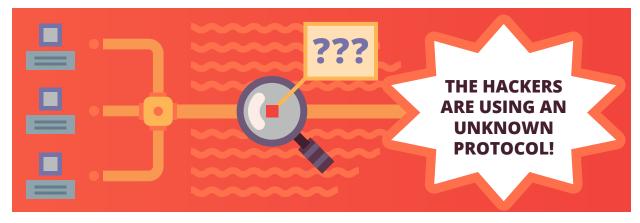








### NCL Comic Series: Network Traffic Analysis Hero eliminated known protocols - hacker foiled.









#### **NCL Comic Series: Forensics**

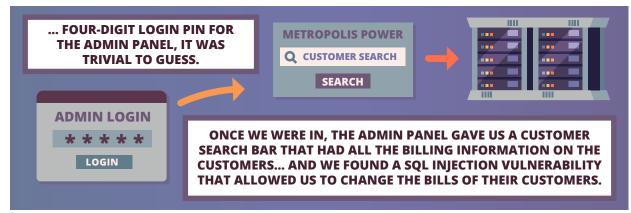
#### Forensics analysis finds hidden WiFi pineapple as source of breach.



### NCL Comic Series: Web Application Exploitation Weak admin login unlocked entire billing data.

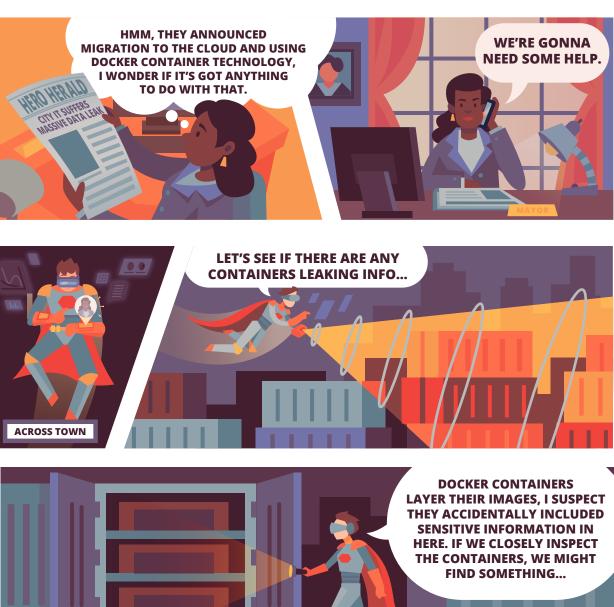








### NCL Comic Series: Scanning Docker container reveals all.





### NCL Comic Series: Enumeration & Exploitation How the fortress was saved.

