ConstraTech
Construction Technology Summit

Cyber Security

API/Web Security how it can affect an Organization and damage any Business ?

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Agenda

1. Self-Introduction & Achievements
2. world-wide Companies got hacked
3. How I hacked a company ?
4. How it affected the Organization ?
5. How can you protect your company ?
6. Questions

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whoami

1. CEO of **Titanium Cyber Security Solutions**
   - **Working as a Cyber Security Engineer & Penetration Tester @ Condignum, AUSTRIA**
   - **Speaker at various international security conferences & Universities (Egypt, UAE, Saudi Arabia, Austria etc.)**
   - **Securing the Clients environment (Web, API, Active Directory, Mobile, Infrastructure etc.)**

جامعة الإمام عبدالرحمن بن فيصل
IMAM ABDULRAHMAN BIN FAISAL UNIVERSITY

2023 Arab Security Conference & Exhibition

Faculty of Computer and Information Sciences 1995

أكاديمية ربدان
Rabdan Academy

AOU
الجامعة العربية المفتوحة
Arab Open University
Egypt

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Achievements

studied and working in Austria in the Cyber Security Field as Cyber Security Engineer, Penetration Tester and Bug Bounty Hunter

Certifications for advanced IT professionals

Certified EC-council Instructor

Certified Ethical Hacker

Offensive Security Certified Professional

Certified Red Team Professional

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Identified 0-day Vulnerabilities

Identified more than **51 CVEs**. Some as an example:

My Github Repo: **https://github.com/ahmedvienna/**

- CVE-2023-0787
- CVE-2023-0791
- CVE-2023-0564
- CVE-2023-0565
- CVE-2023-20181-> **CISCO Hall of Fame Link**
- CVE-2024-1919

Exploitation and Public Announcements

The Cisco Product Security Incident Response Team (PSIRT) is not aware of any public announcements or malicious use of the vulnerabilities that are described in this advisory.

Source

Cisco would like to thank Ahmed Hassan and Josef Hassan of Titanium Cyber Security Solutions for reporting these vulnerabilities.

URL

https://sec.cloudapps.cisco.com/security/center/content/CiscoSecurityAdvisory/cisco-sa-spa-web-multi-7kvPmu2F

Secured Governments & Companies

I have had the privilege of identifying and reporting vulnerabilities to several esteemed companies and governmental bodies (as an example).

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This Presentation is based on true Stories

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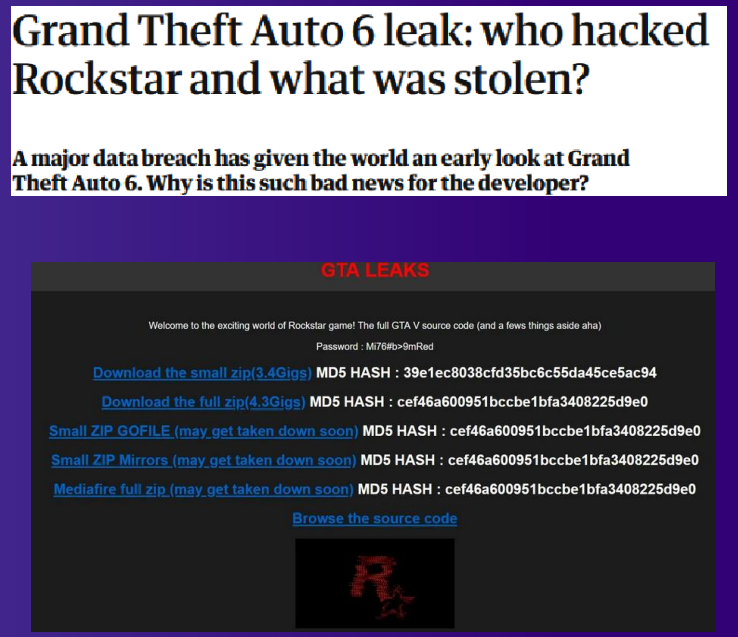
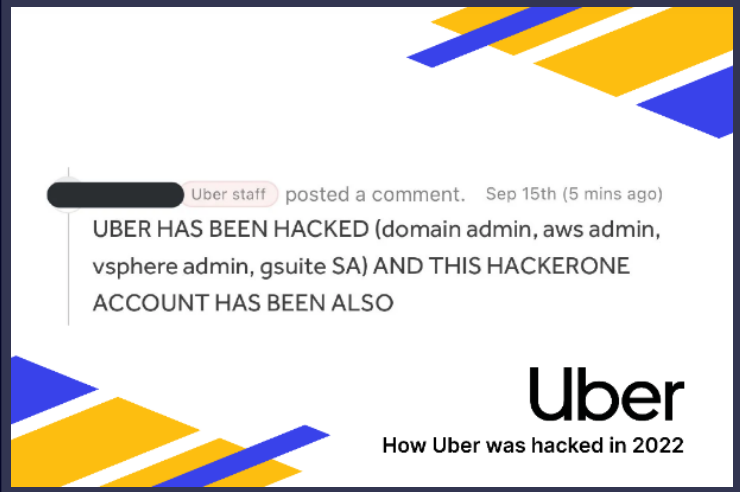
Web Security – Uber and GTA 6 hacked & leaked

17 years old guy hacked Uber and GTA



All the Data has been leaked



Bad Reputation for the company

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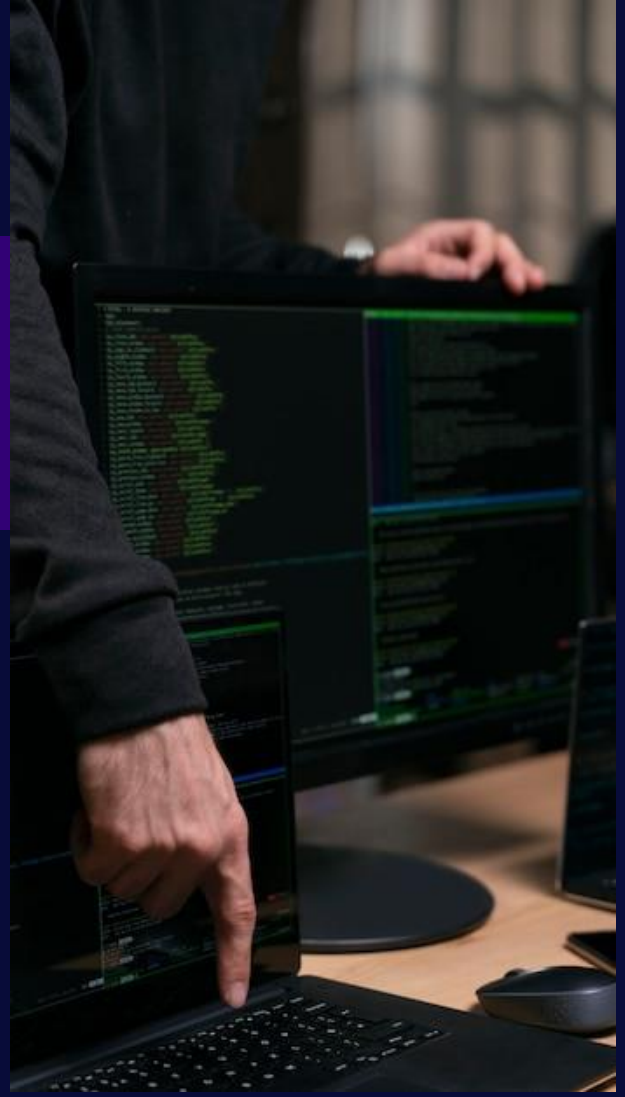
Web Security

Web security is concerned with protecting websites and web applications from vulnerabilities, attacks, and unauthorized access. It involves measures such as secure coding, encryption, authentication, and secure web server configurations.



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Web Security

This accurately reflects the scenario encountered while providing security services to numerous clients across various industries.

The companies must integrate additional cybersecurity measures into their operations.

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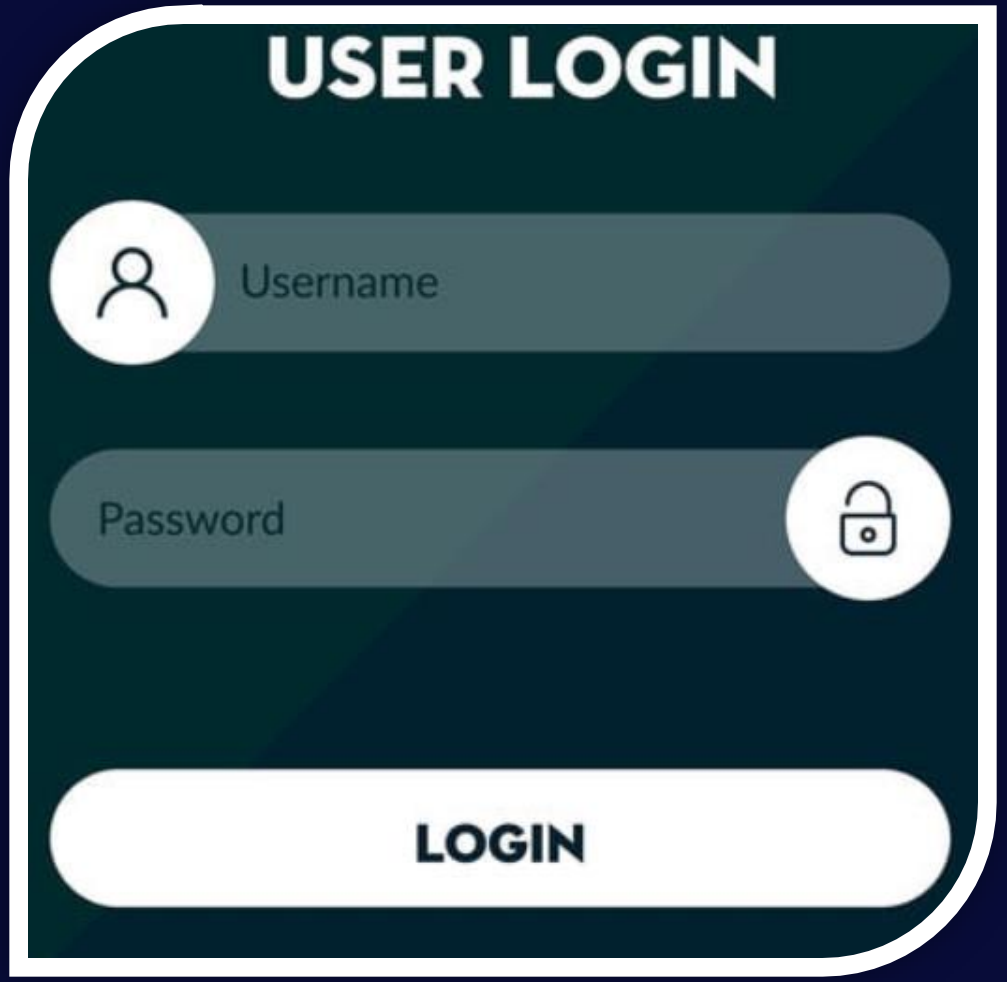
How can innocuous factors lead to a complete compromise of your company



Default credentials refer to the pre-configured usernames and passwords that are set by manufacturers or developers for accessing devices, systems, or applications.

Default Credentials

Weak Passwords

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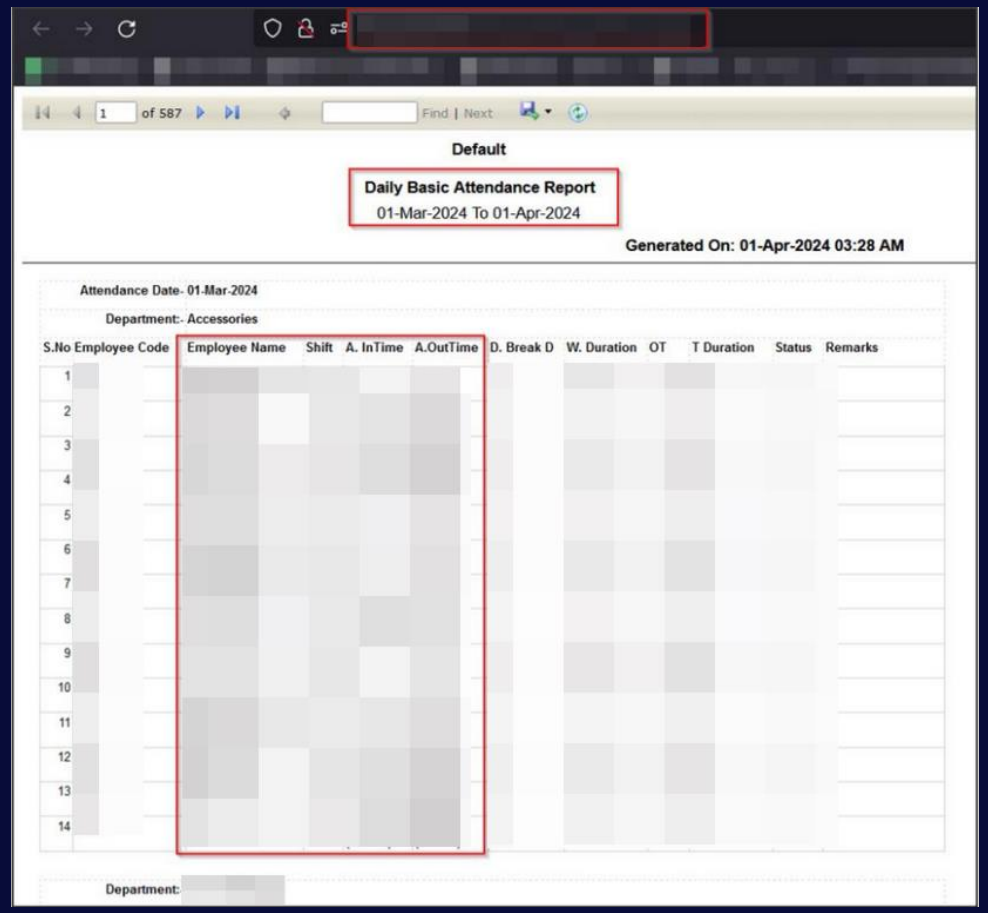
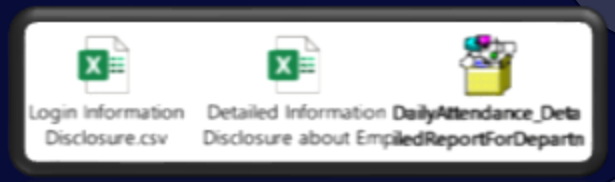
Data Security





01 Data Exfiltration

02 The release of data subsequent to a cyber intrusion

03 Data Loss

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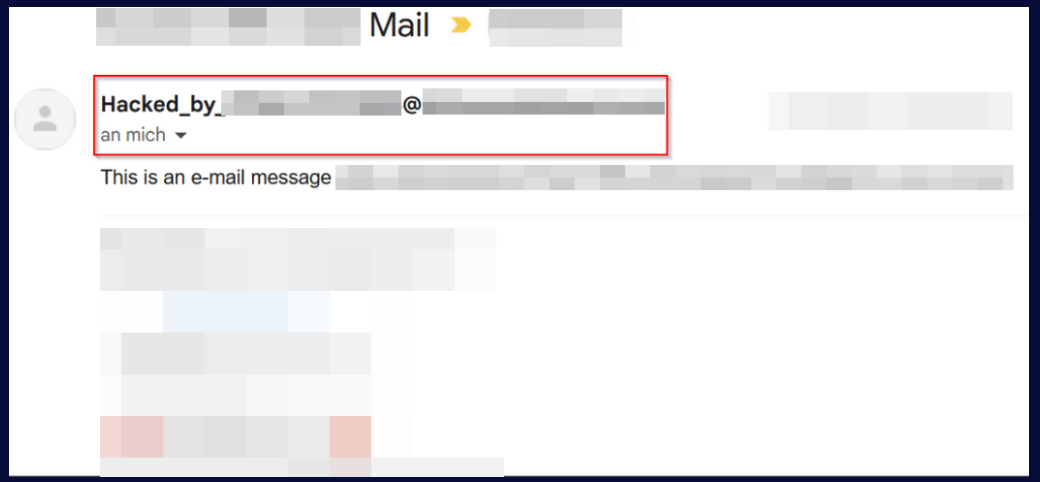
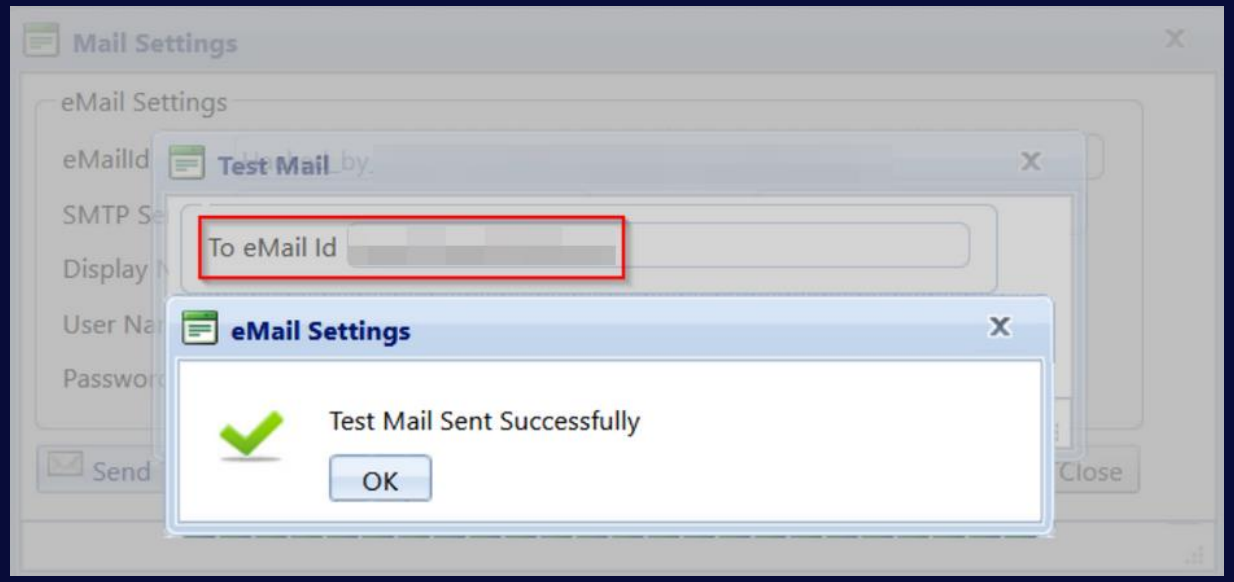
E-Mail Hacking after compromising the Application





01

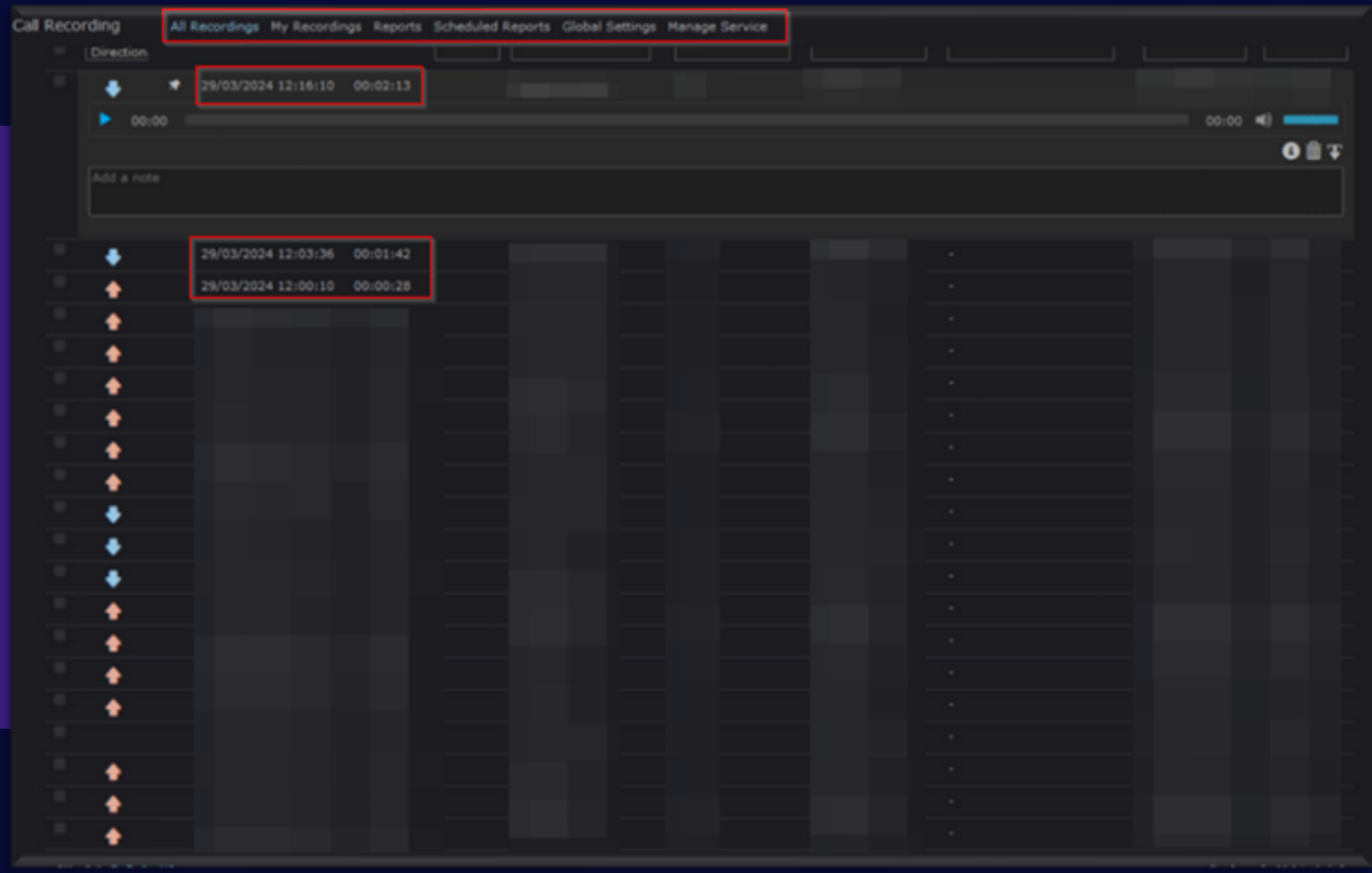
Sending countless spam emails to any email address using the organization's domain.

02

Damaging the reputation of the main domain and causing it to be blacklisted.

Unauthorized extraction of call recordings

Unauthorized extraction of call recordings between clients and the organization’s customer service.



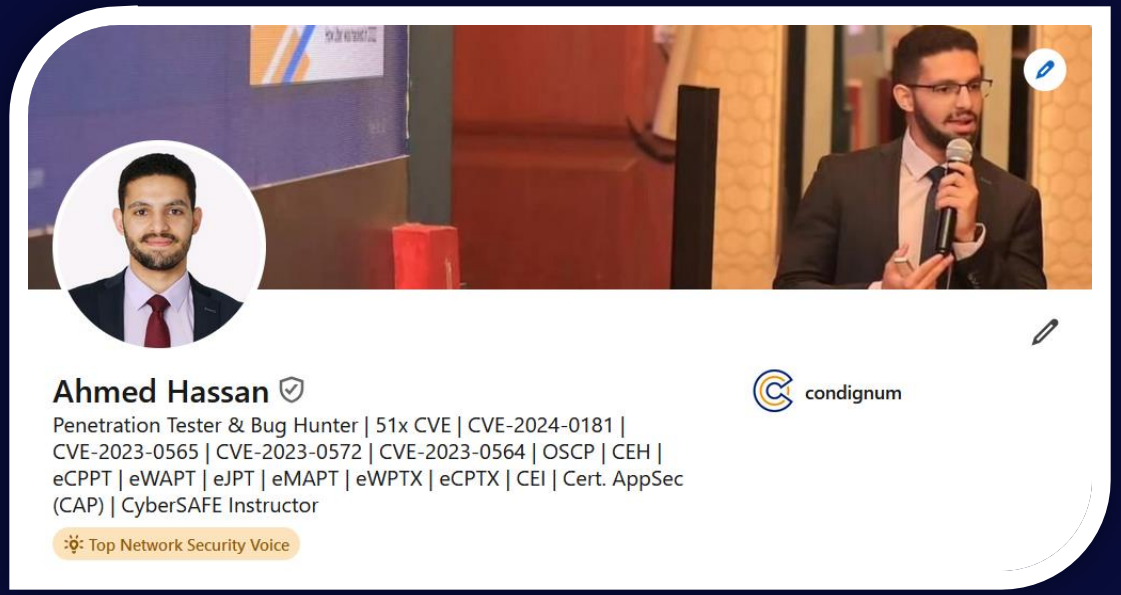
This was the End of the Clients IT-Team Situation after getting the Pentest-Report

Conducting security assessments

Performing checks to ensure security measures are effective. Security assessments involve evaluating the effectiveness of security measures to identify weaknesses or vulnerabilities that could be exploited by potential threats. This process typically includes reviewing policies, procedures, and technical controls, conducting tests or simulations, and analyzing the results to make recommendations for improvement.

Conclusion

In an increasingly connected world, cyber security is paramount. Protecting our systems, networks, and data is essential to safeguarding privacy, preventing cyber attacks, and ensuring trust and stability in the digital landscape.



Thank you

Questions ?

Contact -> LinkedIn QR-Code

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