



NVIDIA BREACH

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FACTS:

- February 25, 2022
- Lapsus\$ ransomware gang
- Nvidia's internal systems compromised
- Minor ransomware attack
- Lapsus\$ claimed they would leak customer data if Nvidia did not pay the ransom





WHAT WAS STOLEN

- Lapsus\$ claimed to have stolen 1TB of data
- Password hashes
- Source code for new AI system still in development
- Designs for new graphics cards
- On February 28, the hacker group supposedly leaked the first batch of data, again asking Nvidia to pay the ransom

SOLUTION

- Nvidia refused to pay, so they decided to go on the offensive
- Lapsus\$ reported that Nvidia had successfully “hacked back”
- Nvidia was able to remote into the group’s Virtual Machines and encrypt the data that had been stolen
- Information had been uncovered that has led to the arrest of a few Lapsus\$ members

INFORMATION SECURITY VULNERABILITIES

- There is still little information about this attack since it only happened a few months ago
- We do know that Nvidia has “hardened” its information systems against further ransomware attacks
- Nvidia could have mistaken their own data loss prevention policies for a ransomware attack

The background of the slide features a dark blue field filled with a pattern of white and light blue binary code (0s and 1s). Overlaid on this are several padlocks of varying sizes and colors. On the left, there are three smaller padlocks: one white, one light blue, and one red. In the center, there is a large red padlock. To the right, partially obscured by the text box, is a large light blue padlock. The padlocks are arranged in a way that suggests a progression or a sequence of security measures.

IMPROVING CYBERSECURITY

- Ways to improve information security and prevent such attacks:
 - Enable 2FA for all employee accounts
 - Keep antivirus software running and up to date
 - Frequent penetration testing on networks
 - Ensure that employees are well educated on good cybersecurity practices

REFERENCES

Bannister, A. (2022, February 28). *Cyber-attack on Nvidia linked to lapsus\$ Ransomware Gang*. The Daily Swig | Cybersecurity news and views. Retrieved April 20, 2022, from <https://portswigger.net/daily-swig/cyber-attack-on-nvidia-linked-to-lapsus-ransomware-gang>

Newman, L. H. (2022, March 15). *The lapsus\$ hacking group is off to a chaotic start*. Wired. Retrieved April 20, 2022, from <https://www.wired.com/story/lapsus-hacking-group-extortion-nvidia-samsung/>