



Cyber Security and LLMs

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Cyber Security



Trying to protect computers,

networks, and data from unauthorized

access, theft, or damage.

How can LLMs help us defend?



Strato CyberLab

- To have good defense we need people
- Can LLMs help us get better in Cyber Security?
- Perhaps the hardest part is to start learning
 - Output Description
 Output Descript

Let's take a look at Strato CyberLab!







Demo Time!

Can LLMs plan and execute network attacks?

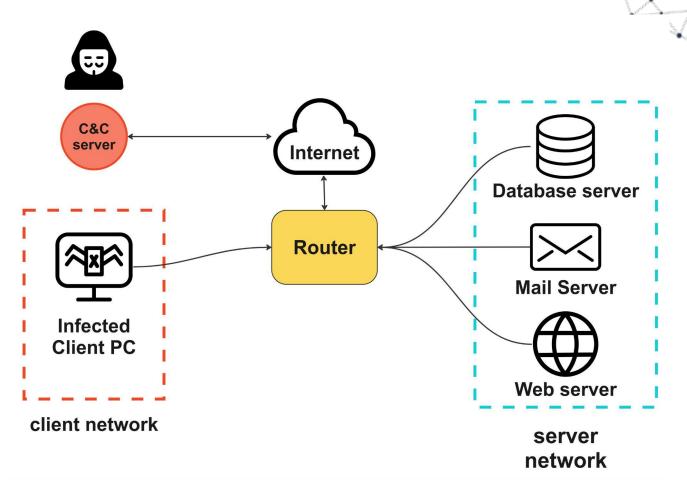


What are we trying to do?

- Pretend we are hackers
- Find our weak points
- Improve our defense



The NetSecGame Environment



What can the attacker do? (Actions)



- Scan Networks to find computers
- Scan Services to find what the computers are doing
- Exploit Services to gain access
- Find Data once they control a new computer
- Exfiltrate Data to their Command and Control server

Goal of the Scenario



Find the email server

Gain access to it

Find and exfiltrate the administrator's emails



Demo Time!





Thank you!