Introduction To Computer Security Ransomware Project

Step 5:Detection Group-06: Sai Kumar Reddymalla-11690966 Monica Sai Meghana Ghanta- 11798073 Sujan Lanka- 11702061 Lakshmi Gayatri Donepudi-11801234

Detection:

In Detection we have developed a rule based detection policy were if the attacker modifies the file the target machine will analyze the monitoring log (to check the file modification) The rule is if the file modifies like 3 pdfs in the 3 seconds the detection code will alert the user by Ransomware Detected.

The detection code will save the records of timestamp, number of files, list of attacked files, The rule that triggered the alert.

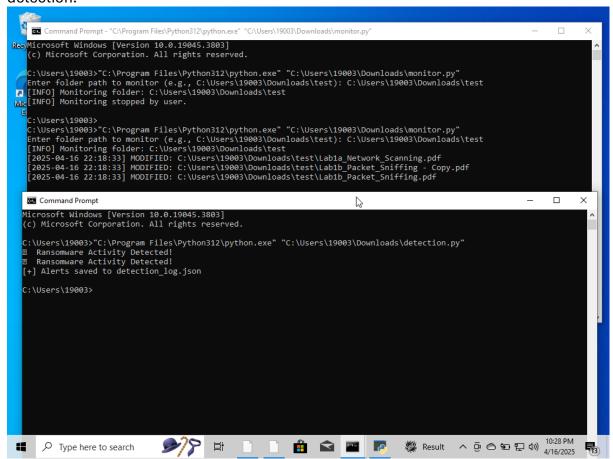
code:



Lets attack the machine:

key:

detection:



we have successfully detected the ransomeware attack by analysing the file modifications results from the monitor log,python watch dog is used for the monitoring and created the rule based anamoly detection .