A Cross-stack Approach Towards Defending Against Cryptojacking
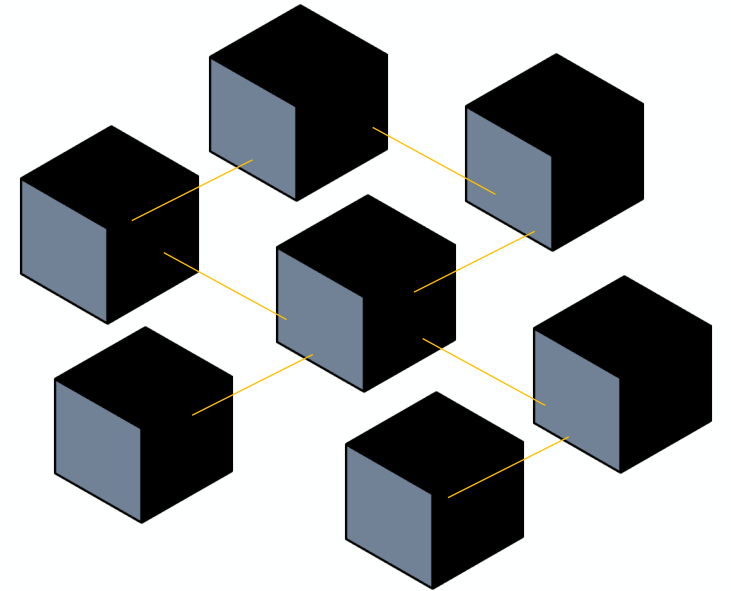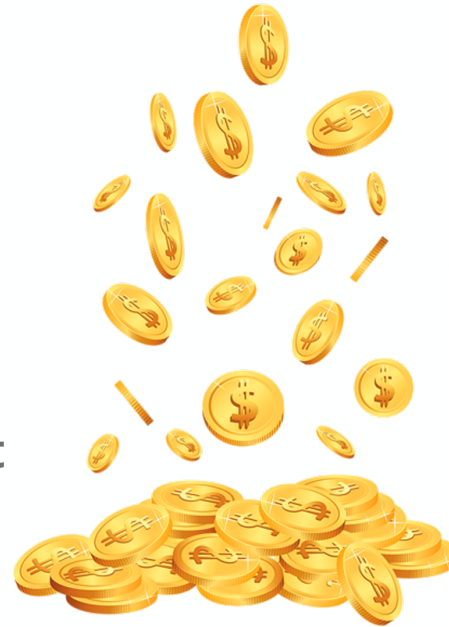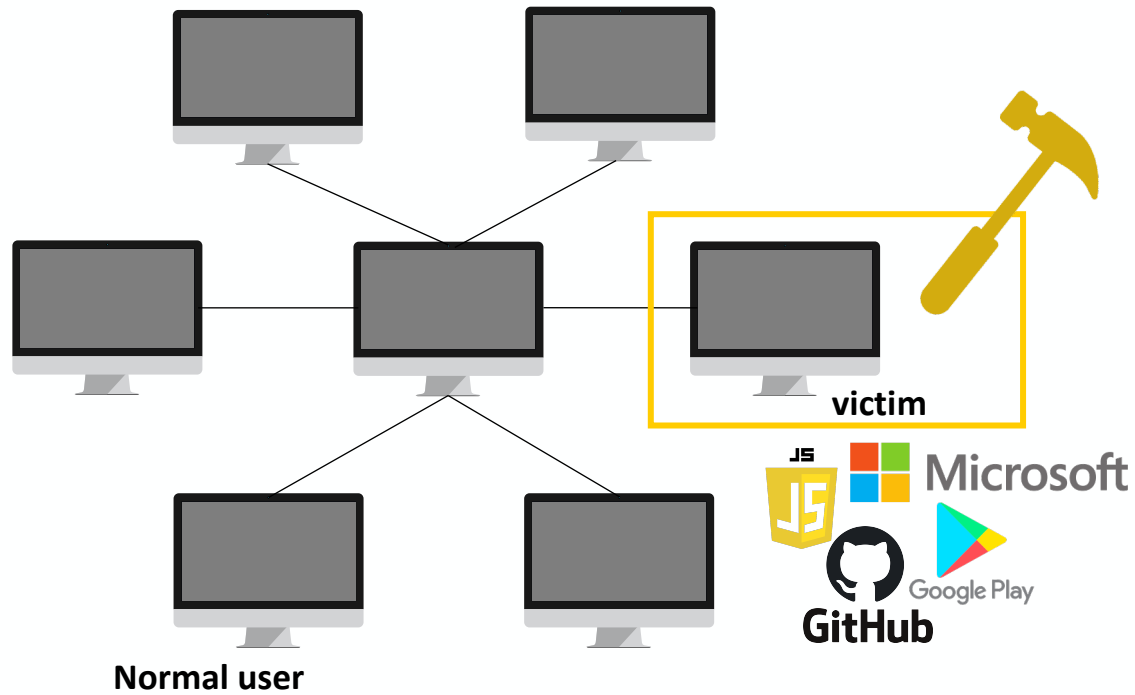
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Cryptocurrencies

Cryptojacking Attacks

victim

Normal user

JS Microsoft
GitHub Google Play

Injects malicious software

Temperature
iPhone needs to cool down
before you can use it.

Emergency

Our Solution

Previous Solutions

Our Solution

Our Solution

Microarchitecture Level

Operating System Level

100%
True Positive Rate

<2%
False Positive Rate

50%
Throttling Rate Resiliency

<1%
Overhead

Thank you for watching!

For more info, please check our paper in the link:
https://ieeexplore.ieee.org/document/9170774