Prevent known threats

Blacklists

Reputation systems

Threat intelligence

Signature based network and enpoint menthods

IPS = Intrution Prevention Systems

Virtual keyboards

URL blockers

Host based firewalls

File and disk encryption

Parental control

Prevent unknown threats

Exploit prevention

Sandboxes

Isolation and compartmentalization

Application whitelisting

Access Control Lists

Software restriction Policies (SRP)

User Access Controll (UAC)

Detect known threats

Antivirus

IDS = Intrusion detection system (snort)

HIDS = Host based intrution detection systems

Web app Firewalls (WAF)

Vurnerability scanning

Anti-spam

Traffic monitoring

Detect unknown threats

Behavioral analysis

Machine learning

Heuristic detection

Canary Tokens

Respond / Recover

Backups

Snapshots

Roll-back

Automated response and remedation

Anti-virus

siem

Links

- https://www.snort.org/
- https://zeek.org/
- https://github.com/thinkst/opencanary
- https://www.ossec.net/download-ossec/
- https://nst.sourceforge.net/nst/
- https://cybersecurity.att.com/products/ossim

OSI model

