

Combatting Ransomware



PREVENT



Identify **key information flows**.



Consider **physically segregating networks**.



Deploy **advanced protection**.



Make **regular data backups** and test them.



Keep systems **fully patched**.



Educate staff.

RESPOND



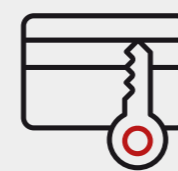
Unplug all infected devices from the network.



Contact **law enforcement** authorities.



Wipe infected devices and **restore** from backup.



Change the **administrator access credentials**.



Execute the **Incident Response Plan**.

REVIEW



Conduct a **forensic analysis** of the attack.



Review the **incident response** to determine how effective it.



Identify **additional training**.



Strengthen boundary defences.

Global cost of ransomware in 2020:

\$20 Billion 

Average attack cost:



Over \$4 Million

Predicted frequency of ransomware attack in 2021:

Every 11 seconds

Percentage of victims who paid the ransom in 2020:

36% 

Percentage of those who never recovered their data:

17%