

On 12 May 2017, WannaCry began affecting computers worldwide, with evidence pointing to an initial infection in Asia at 7:44am UTC. The initial infection was likely through an exposed vulnerable SMB port, rather than email phishing as initially assumed.

When executed, the malware first checks the "kill switch" domain name; if it is not found, then the ransomware encrypts the computer's data, then attempts to exploit the SMB vulnerability to spread out to random computers on the Internet, and "laterally" to computers on the same network. As with other modern ransomware, the payload displays a message informing the user that files have been encrypted, and demands a payment of around \$300 in bitcoin within three days, or \$600 within seven days. Three hardcoded bitcoin addresses, or "wallets", are used to receive the payments of victims. As with all such wallets, their transactions and balances are publicly accessible even though the wallet owners remain unknown. As of 14 June 2017, at 00:18 ET, a total of 327 payments totaling \$130,634.77 (51.62396539 XBT) had been transferred.

Organizations that had not installed Microsoft's security update were affected by the attack. Those still running the older Windows XP were at particularly high risk because no security patches had been released since April 2014 (with the exception of one emergency patch released in May 2014). However, on the day after the outbreak, an emergency, out-of-band security update was released for XP and Windows Server 2003. A Kaspersky Labs study reported that less than 0.1 percent of the affected computers were running Windows XP, and that 98 percent of the affected computers were running Windows 7.

Study the above case and answer the questions i to ii.

i. List all the offences committed by the hacker/ hacker group according to this case study. [5]

ii. If the hacker/ group commit all the offences you mentioned in the previous answer residing in Bangladesh, what punishment may be given to the hacker/ group according to the ICT ACT 2006? (Hint: Mention the Section with the title and section number along with the punishments. Try to cover as much as relevant sections as you can. You should refer the relevant section to the relevant offence number you already mentioned in the first question's answer.) [10]