



# La criminalità su Internet e la sicurezza applicativa

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# ORGANIZZAZIONE E COMPETENZE DELLA POLIZIA POSTALE E DELLE COMUNICAZIONI:



Dipartimento della Pubblica Sicurezza  
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# Le minacce di Internet



*Minaccia  
Globale*



*Crimini informatici*



*Utilizzo web  
per finalità terroristiche*



*Attacco  
infrastrutture critiche*



# Abbiamo l'esatta percezione del pericolo?





# Abbiamo l'esatta percezione del pericolo?





# La network security basta?





# Ne siamo sicuri?





# Un piccolo esempio

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NOVEMBER 01, 2006

## Hackers break into water system network

Attackers believed to be operating outside the U.S. gain access to computers at a Pennsylvania water treatment plant

By Robert McMillan | IDGNS

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An infected laptop gave hackers access to computer systems at a Harrisburg, Pennsylvania, water treatment plant earlier this month.

The plant's systems were accessed in early October after an employee's laptop computer was compromised via the Internet, and then used as an entry point to install a computer virus and spyware on the plant's computer system, according to a report by ABC News.

The incident is under investigation by the U.S. Federal Bureau of Investigation, but no arrests have been made in the matter, said Special Agent Jerri Williams of the FBI's Philadelphia office. The attackers are believed to have been operating outside of the U.S.

Williams said that the hackers do not appear to have targeted the plant. "We did not believe that they were doing it to compromise the actual water system, but just to use the computer as a resource for distributing e-mails or whatever electronic information they had planned," she said.

Still, the FBI is concerned that even without targeting the system itself, this malicious software could have interfered with the plant's operations, Williams said.

Had the breach targeted the water plant, it could have had grave consequences, according to Mike Snyder, security coordinator for the Pennsylvania section of the American Water Works Association. "It's a serious situation because they could possibly raise the level of chlorine being

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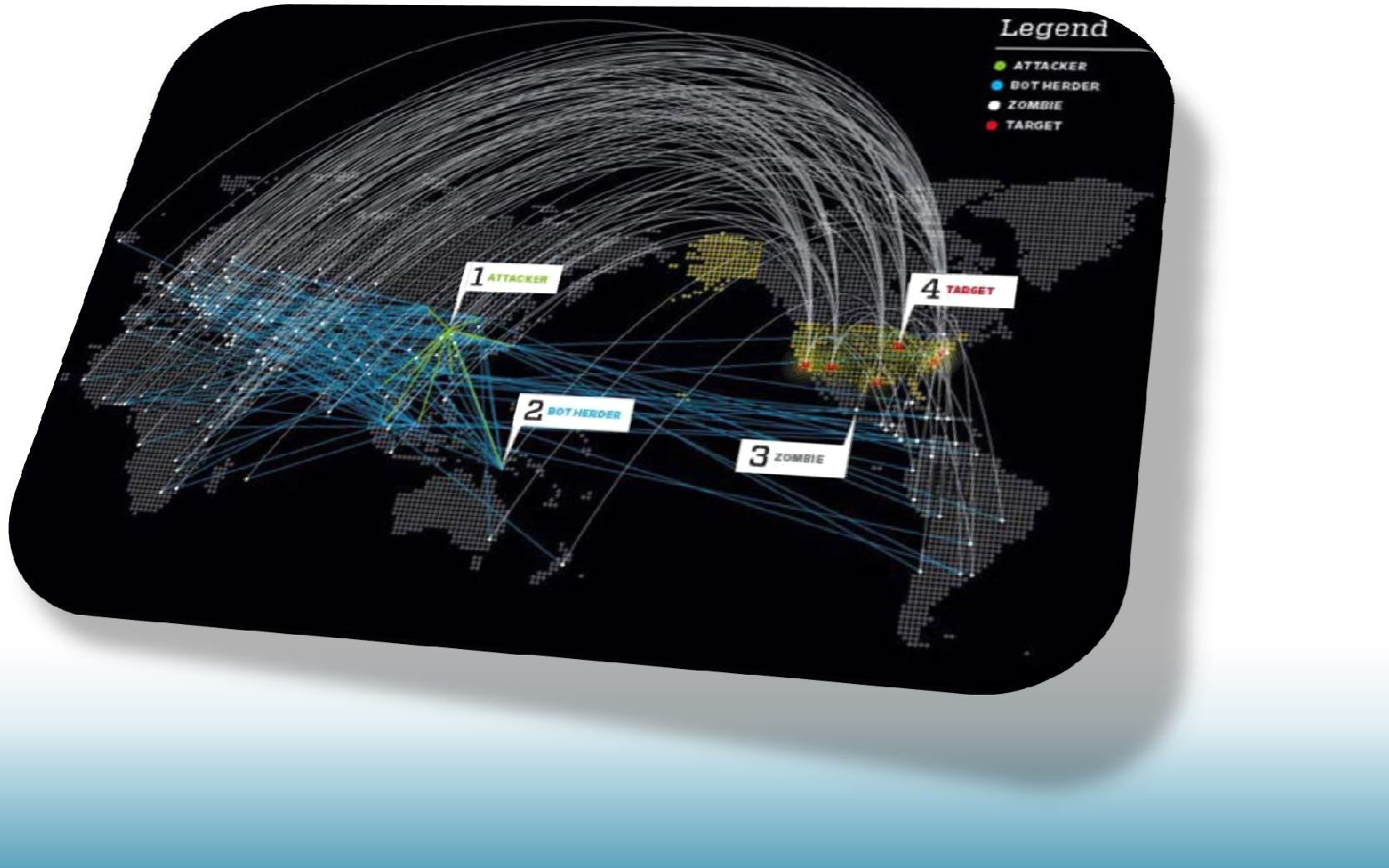
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# BOT NET





# Una possibile soluzione : WAPT

- Conoscenza dell'applicazione
- Ricerca delle vulnerabilità (approccio whitebox *versus* blackbox)
- Quantificazione del rischio per ogni singola vulnerabilità
- Documentazione per decisori e sviluppatori

