

2013 Target





Target attack

- Attackers were able to steal customer data from Target customers from the Point Of Sale (POS) terminals.
- Estimated that over 40 million credits card were stolen and 70 million customer record stolen (1/3 of Americans).
- Estimated resolution costs of \$61 million USD and 47% drop in transaction during busy shopping period.
- Shu et al. argue the attack can be considered and decomposed into five distinct phases.

Target attack

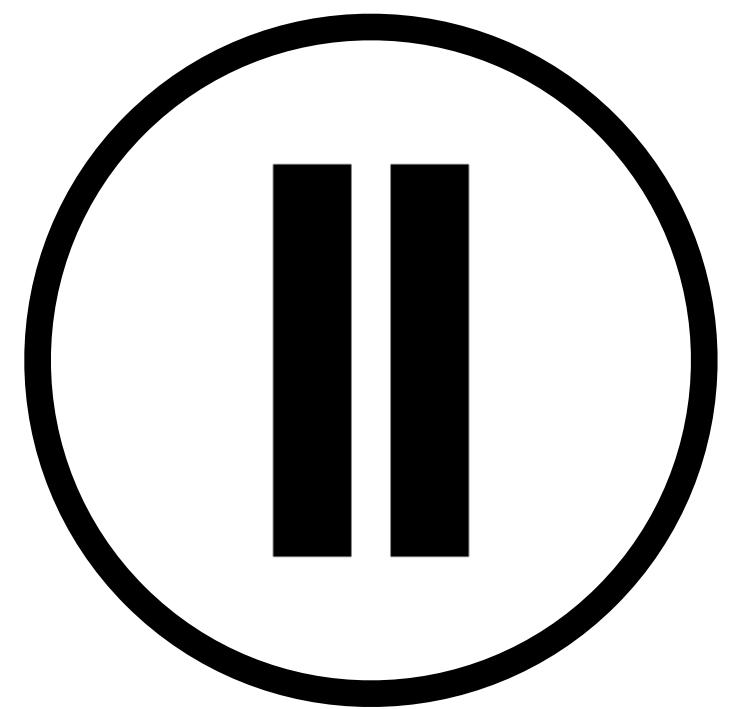


Target attack

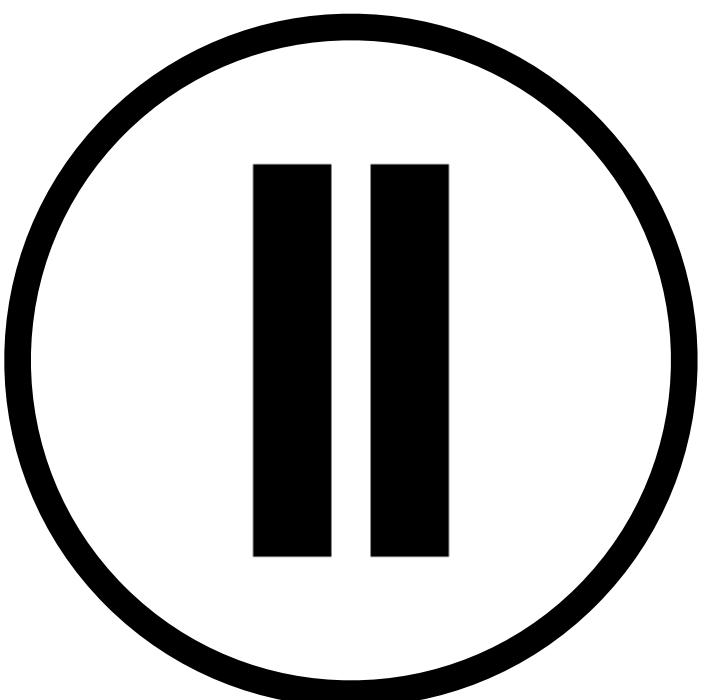




Why give a third-party such
access to the company?



How did the attackers come to
learn about the third-party
company?



Target attack



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Target attack



Target attack



Target attack





TARGET

CEO ON BREACH

Nightly Business Report, 2014
NBC



Lessons learned

- Enterprises represent complex systems of many interconnected elements, weak security in the subsystems harms the overall system.
- Multiple steps involved in elaborate campaigns, but also offers oppurunities to mitigate risks at various stages.
- There are significant costs in not addressing security properly, but in addressing incidents and in building the business back to successful state.