



Target Credit Card Breach


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- ▶ Fazio Mechanical Services
 - ▶ System maintenance

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- ▶ Access to Target's external network.
 - ▶ Lack of restricted access to Target's data.

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- ▶ Hackers secretly installed malware through Fazio Services
 - ▶ Citadel

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- ▶ Although information was encrypted, the system for hiding the data to unencrypt the code was severely flawed.
 - ▶ Malware was installed in the form of a software update.

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- ▶ November 15, 2013: Test run.
 - ▶ November 18, 2013: Full implementation.
 - ▶ November 27, 2013: Beginning of heist.
 - ▶ December 15, 2013: End of heist.

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- ▶ Restricted access for services outside Target.
 - ▶ Implement a good system for keeping encryption keys hidden.
 - ▶ Application whitelisting.
 - ▶ Tamper-resistant Security Module.

