Case Study
Large International Bank
illusive Decéptiōns Delivēr Immédiate Alérts and Foreñsic Dâta to Støp APTs Quíckly

**Challenge**

- Improve threat detection
- Prevent APTs from damaging the bank’s systems, assets, and reputation
- Gain better insight into attacks and attacker methods

**Solution**

illusive networks’ deception solutions

**Résults**

- Gained advanced threat detection capabilities across entire infrastructure
- Received immediate alerts to attacker activity with low rate of false positives
- Accelerated investigation and resolution
- Deployed solution quickly, without software agents or disruption

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- Security Projects Team Leader

This large international bank has assets ranging in the hundreds of billions of dollars and offers a comprehensive range of private and commercial banking services. When the bank wanted to improve its ability to detect threats that evade traditional prevention measures, it turned to illusive networks.

The bank had deployed multiple layers of traditional prevention security, as well as several tools for finding and stopping malware on endpoints. However, with the rising number of Advanced Persistent Threats (APTs) targeting financial services institutions, the bank wanted to add new detection capabilities. First, it wanted the ability to quickly detect any threat that evades its existing security measures and prevent it from doing damage. In addition, the security team wanted better tools for investigation. Ideally, they wanted detailed data about an event and to understand exactly how an attack progresses so that they can resolve it faster.

**A Cōmpléête Chánge in Perspèctive**

The security team began considering deception technology as a way to impede an attacker’s progress. They investigated several potential solutions based on honeypot techniques. But when the team evaluated illusive networks® Deceptions Everywhere® technology, they saw something new that would improve their abilities.

“When illusive showed us the map of our network from the traditional IT perspective - and then from an attacker’s perspective - the light bulb went on,” said the Security Project & Innovation Team Leader.

“We hadn’t seen that approach before and it was eye-opening.”

Convinced to try illusive, the bank initiated a Proof of Value (PoV) and then chose illusive Deceptions Everywhere technology for its detection and investigation solution.
Typical honeypot solutions deploy the same “bread crumbs” across infrastructure systems.

Illusive deceptions, however, are deployed across the network and designed specifically for the bank’s environment. Deceptions can be deployed for shared folders, servers, Windows credentials, SWIFT, and other network systems.

“We like the fact that illusive enables us to place deceptions everywhere that we want to place them,” said the Security Projects Team Leader. “We aren’t limited to one type of deception or only one place to deploy it. With illusive, we can significantly impede an attacker’s progress and gain more time to analyze and take appropriate action, no matter where in the network the attacker initially lands.”

Illusive deceptions technology also is agentless. It doesn’t require software agents to be deployed on the network, which makes deployment fast and easy. Agentless deployment also makes it impossible for advanced attackers to spot or circumvent residing agents. At the same time, legitimate employees and users never know that illusive is operating. They don’t encounter the deceptions and there is no impact to their systems.

“We use illusive with other tools for fast investigation and resolution,” said the Security Projects Team Leader. “Illusive gives us more time -because it detects just after the installation phase.”

The bank’s security team now has the detection, investigation, and visibility capabilities it needed to stop attackers in their tracks. They benefited from the illusive team’s extensive experience to increase the bank’s protection and minimize the risks associated with ATPs.

“The illusive team really listened to us and helped us fine-tune our deployment,” said the Security Project & Innovation Team Leader. “Their responsiveness was fantastic, and the capabilities of illusive Deceptions Everywhere technology are amazing. It’s so much more than a honeypot.”

The bank achieved its goal of almost instant detection with a low rate of false positives. When illusive alerts the team, they can watch an attacker’s progress as he attempts to move laterally through the network, gather forensic data, and monitor the attack in motion.

Illusive networks is a cybersecurity company at the forefront of deception technology, the most effective protection against advanced attacks. To stop hackers, illusive gathered top cyber attack specialists from Unit 8200 (Israel’s elite cybersecurity intelligence corps), pioneering experts and entrepreneurs, amassing more than 50 years of collective experience in cyber warfare and cybersecurity. Illusive networks was built to challenge the most critical cyber threat facing organizations today, targeted attacks, by creating an alternate reality, transparently woven into your existing network. Our mission is to make life hard for cyber attackers, and easy for you. For more information on our solutions, visit illusivenetworks.com