

A 3D-rendered graphic of a globe with a white ribbon wrapped around it. A gold star is placed on top of the globe. The text "Wire Transfer Guard: Harnessing Distributed Deception to Prevent Cyber Fraud" is overlaid on the globe in a white, serif font.

Wire Transfer Guard: Harnessing Distributed Deception to Prevent Cyber Fraud

International Bank Transfers: Prime Cyberattack Targets

It's no surprise that wire transfer systems are a coveted target for cyber criminals. The SWIFT financial messaging service, provided by the Society for Worldwide Interbank Financial Telecommunication (SWIFT), is used by over 11,000 institutions and more than 200 countries. On a typical day, SWIFT delivers more than 25 million communications, helping to orchestrate some of the largest financial transactions in the world. In 2016 alone, more than a dozen banks worldwide suffered SWIFT attacks, accounting for more than \$100 million in cyber theft.

Illusive's Wire Transfer Guard is purpose-built to stop attacks on wire transfer systems by detecting the movement of advanced attackers, empowering security teams to act before they reach their targets.

Revealing the Attacker's Movement is the Key to Stopping Fraud

In the case of the first publicly-known SWIFT attack—in February 2016 against Bangladesh Bank—attackers had been moving inside the bank's environment for a year before finally executing a fraudulent transaction. Of an attempted \$951 million, thieves managed to steal \$81 million before being discovered. The alarm was sounded not by cyber detection systems, but by a diligent employee who noticed a spelling error in one of the messages.

Most electronic fraud is conducted APT-style: after making their way into an organization, attackers move from one system to another, searching for the systems that house the applications or data they're after. They use valid credentials and carefully mimic the normal functioning of the SWIFT components and processes to avoid detection.

By detecting the lateral movements of an adversary, Wire Transfer Guard breaks new ground in fighting fraud.

Protecting Financial Transfers with Deceptions Everywhere®

Instead of trying to detect an illicit transaction at the tail end of the process, Illusive's Deceptions Everywhere approach traps the attacker as he searches for the wire transfer systems—preventing him from ever reaching his target. This is done by planting deceptive information throughout the environment that appears identical to real infrastructure, application and system components. When the attacker acts on one of these fake objects, an alert is triggered, and forensic data collection begins. With every move, odds increase that a deception will be activated; there is a 99% chance that the attacker will be caught within three lateral moves.

The security professional sitting at Illusive's management console has advance visibility into the possible pathways the attacker can take. When an alert is triggered, the console shows where the attacker is and how many moves it will take to reach critical systems. Forensic data is instantly captured from the compromised machines.

With early visibility and insight, defenders secure the time they need to analyze the adversary and take appropriate action.



Benefits

- **Detect early** in the attack cycle
- **Prioritize response activity** with risk visibility and high-fidelity alerts
- **Streamline incident analysis** with source-based forensic data
- **Raise defense capability** without adding management overhead
- **Adapt and scale automatically** as the business and threat environments change
- **Get rapid results** with non-disruptive, agentless technology that deploys in days, not months

To read more about Deceptions Everywhere and the Illusive Core Solution, visit www.illusivenetworks.com
To arrange a discussion about how to protect your SWIFT environment, call 1-844-455-8748

“ For financial services organizations of all types, time is money. By delaying the attackers, security teams give themselves the upper hand in controlling the attack clock, which is a luxury previously unseen. ”

Illusive Uses Deception to Reduce Cyber Risks for Financial Services, Enterprise Management Associates, September 2017

About Illusive Networks

Illusive Networks is a pioneer of deception technology, empowering security teams to take informed action against advanced, targeted cyber attack by detecting and disrupting lateral movement toward critical business assets early in the attack life cycle. Agentless and driven by intelligent automation, Illusive technology enables organizations to significantly increase proactive defense ability while adding almost no operational overhead. Illusive's Deceptions Everywhere® approach was conceived by cybersecurity experts with over 50 years of combined experience in cyber warfare and cyber intelligence. With the ability to proactively intervene in the attack process, technology-dependent organizations can preempt significant operational disruption and business losses, and function with greater confidence in today's complex, hyper-connected world. For more information, visit us at www.illusivenetworks.com or contact info@illusivenetworks.com.