

CYBER DEFENSE NETWORK

FOR FINANCIAL SERVICES

NC4® Cyber Defense Network

The rapidly growing number of cyber-attacks against financial institutions has led to an increased focus on the important, board-level issues of risk management, breach reporting and liability, and reputational damage. NC4's Cyber Defense Network™ for Financial Services (CDN/FS) takes a series of steps to mitigate these issues and to improve cyber defense for both the industry and its members.



The Cyber Defense Network/Financial Services Solution

CDN/FS is not just technology. It's a community composed of participating members of the FS-ISAC. As a part of the community, individual members are supported by a distributed technical infrastructure including both private cloud (managed services) and software components. Collectively, this foundation allows CDN/FS members to:

1. Create, share and receive threat information from other members in a more structured fashion
2. Quickly assess and prioritize the most relevant courses of action to take in response to threats
3. Rapidly execute certain courses of action through integration with key security technologies (e.g. Cisco FMC)

With CDN/FS, NC4's mission is to improve the effectiveness, efficiency and timeliness of cyber defense for the financial services industry and its members.

Cyber Threat Intelligence Sharing for CDN/FS Members

- Rapidly and easily share threat information with the community leveraging STIX/TAXII
- Leverage powerful threat indicator extraction capabilities to take full advantage of collaboration through threaded discussions or email
- Members can view, rate and comment on threats for improved situational awareness of the threat landscape
- Access to the Cyber Defense Network Community Dashboard to see top threats, trending activity, and more as rated by the community

Facilitating Action Decisions

- Send STIX threat indicators to your TIPS and SIEMS
- Manual Mode to display community CTI information in the CDN Dashboard to help inform the decision-making processes
- Future Rules Engine to speed decision making and action initiation through automation or optional human-on-the-loop interaction

Action Implementation

The CDN/FS solution enables defensive actions to block access to malicious sites and content with features that support your corporate compliance and audit requirements: authorization privileges for selected staff in your SOC or NOC and audit trail and logging to ensure the integrity of the process. The actions are implemented through third party solutions that support STIX/TAXII. Examples include Cisco FMC plus other next generation firewalls and security solutions.



Benefits

Community access to automated threat feeds

- Access enriched initial indicators
- Enable rapid situational awareness

Richer more structured community collaboration

- Extract threat indicators quickly and easily
- Share with other CDN/FS members via STIX/TAXII

Community ratings and comments

- Rate the quality of indicators and post comments
- View initial and developing severity of threats to the members
- Access other key characteristics defined by the community

Integrated security capabilities available for member action

- Take proactive defensive actions with STIX/TAXII enabled feeds

- More rapid execution of cyber defense through blocking and monitoring
- Vendor agnostic, standards-based approach with enhanced API access for selected vendors

Continuously updated community dashboard

- View consolidated community view of trending and most active threat indicators
- Aggregate views of actions taken by the community in real-time and from a historical perspective
- As a CDN/FS member, evaluate your organization's responsiveness to threats compared to the broader community

Learn More

To learn more about CDN visit www.NC4.com/pages/CDN.aspx.

NC4 Leadership and Experience

NC4 has been the leader in cyber threat sharing for critical infrastructure industries through its managed service offering (NC4 Mission Center™) for portal-based intelligence sharing. The 2016 acquisition of Soltra® from FS-ISAC and DTCC also made NC4 the leading managed service provider for STIX/TAXII -based threat sharing.

The NC4 Risk Center™ service with two global incident monitoring centers provides physical threat monitoring on a 24x7 basis to over 300 of the Global 2000 companies and over 100 of the largest financial services firms in the United States. NC4 is now extending its threat management focus to defensive actions.