TRUSTAR
R-CISC
RETAIL CYBER INTELLIGENCE SHARING CENTER

TruSTAR & Retail-CISC: Optimize ISAO Intelligence Into Your Security Workflow

May 2018

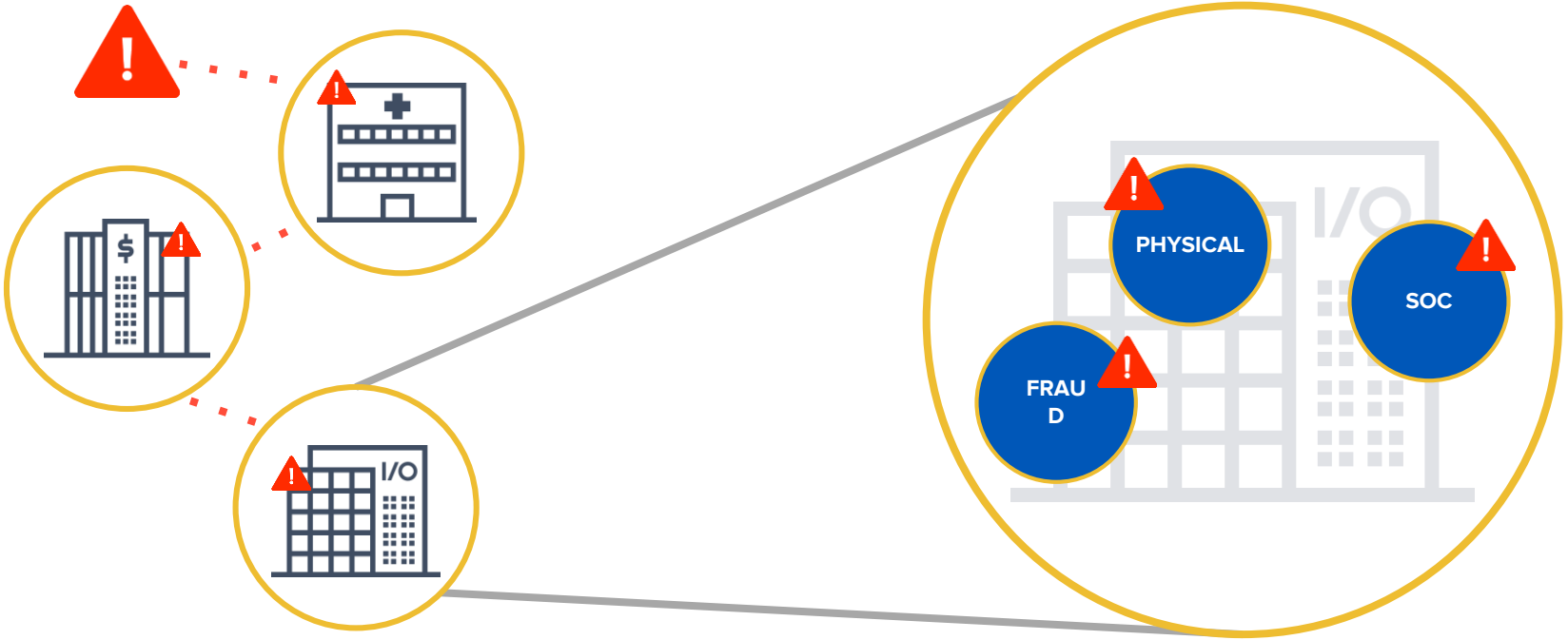
trustar.co

Agenda

1. Overcoming Challenges
2. Optimizing Your Data
3. R-CISC Member Workflow Example
4. Threat Intelligence Exchange Best Practices
5. Resources

Overcoming the Challenges

The most valuable security data is locked inside the four walls of companies.

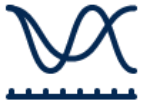


LACK OF EXTERNAL ECOSYSTEMS

LACK OF INTERNAL ECOSYSTEMS

Security teams have many operational challenges

Analyst Burnout
Short staffed, overworked, burning out, given tedious tasks



Unorganized Data
Too much, no context, not timely, limited means to manage and organize, inability to leverage external sources, false positives, lack of metrics

Non-Interoperable Technology
Inefficient workflow, integration challenges, unclear privacy provisions

Streamline workflow to free-up analyst cycles

Data Flow

Enrich + Correlate

- R-CISC Member Submissions
- R-CISC Enclave/s
- \+
- 20+ OSINT Sources

Automated Detection

- R-CISC Enclaves
- LogRhythm, Radar, splunk>, ArcSight

Enrich & Correlate

Extract indicators from email ingest and cross correlate with closed sources

TruSTAR / CyberUSA

Detect

splunk>

Pull enclave data into Splunk to show direct correlation to logs with the ability to deep dive into TruSTAR

SIEM

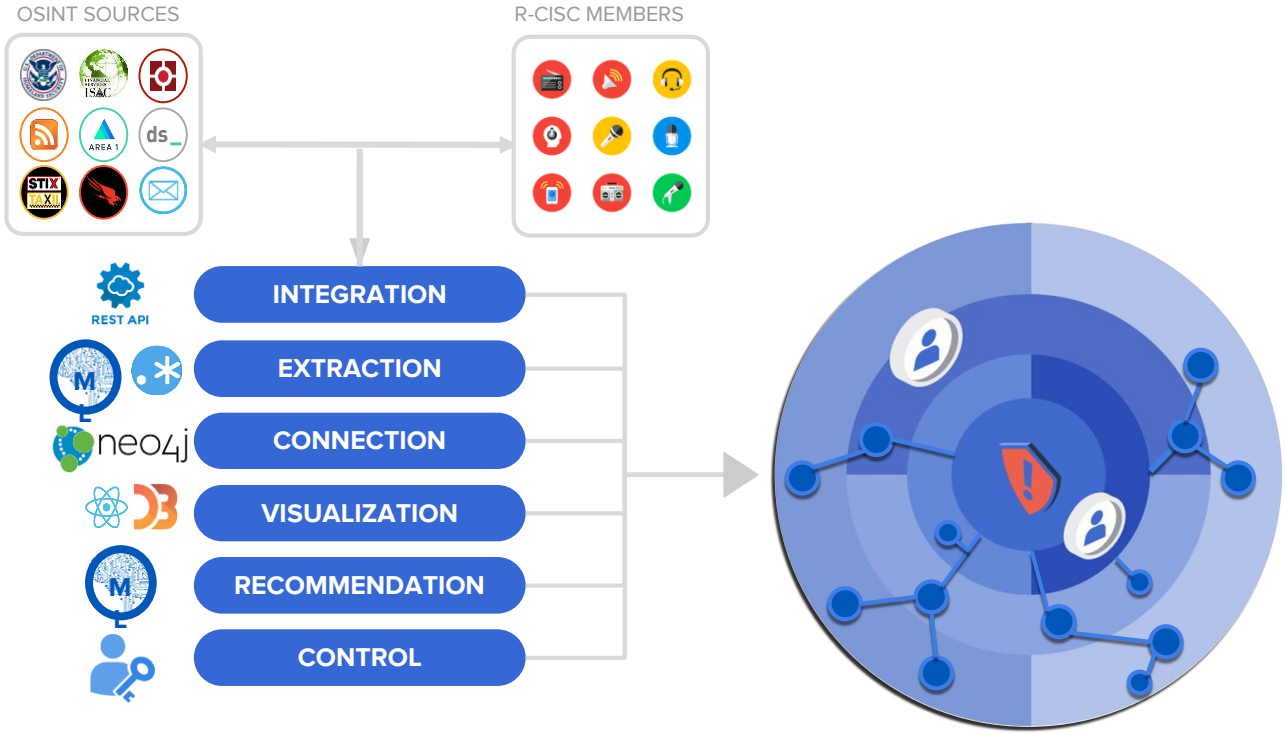
The TruSTAR // R-CISC Model

TruSTAR takes on the burden of ingesting and parsing data from ISAO and other intel sources.

It's important to give ISAO members options to engage with ISAO and other sources:

- STIX/TAXII
- REST API
- Native Workflow Apps
- Email
- UI / Portal

platform gives R-CIS



Driving Intelligence into Enterprise Security Ops

Three Ways to Optimize Intelligence for Enterprise Security Operations

1. Capitalize on the intelligence value of your own event data
2. Operationalize ISAO relationships and other sources into your security operations workflow
3. Engage and grow your intelligence ecosystem

1. Capitalize on the intelligence value of your own event data

The richest data exists within your four walls.

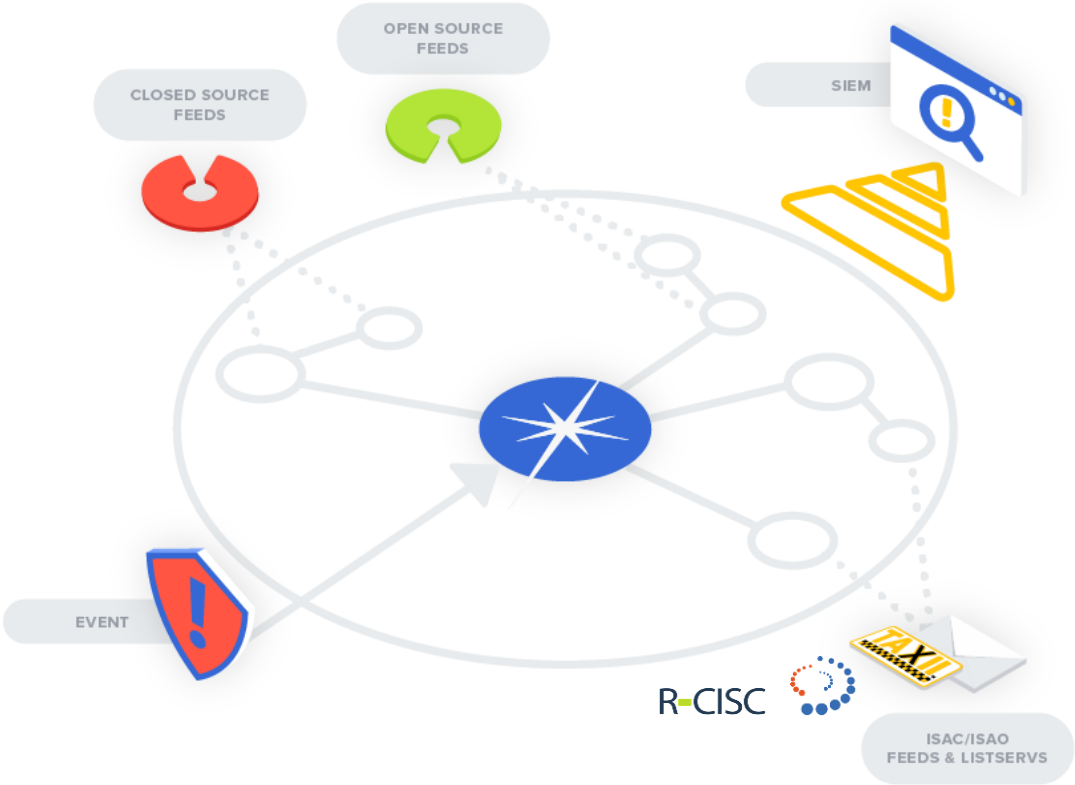
Focus on correlating on that event data first that may be coming out of your SIEM, email gateway, Firewall, and sitting inside your case management / ticketing tools.

2. Operationalize ISAO relationships and other sources into your workflow

Integrate the external sources into your workflow.

Focus on minimizing noise and maximizing signal when ingesting data into your SIEM.

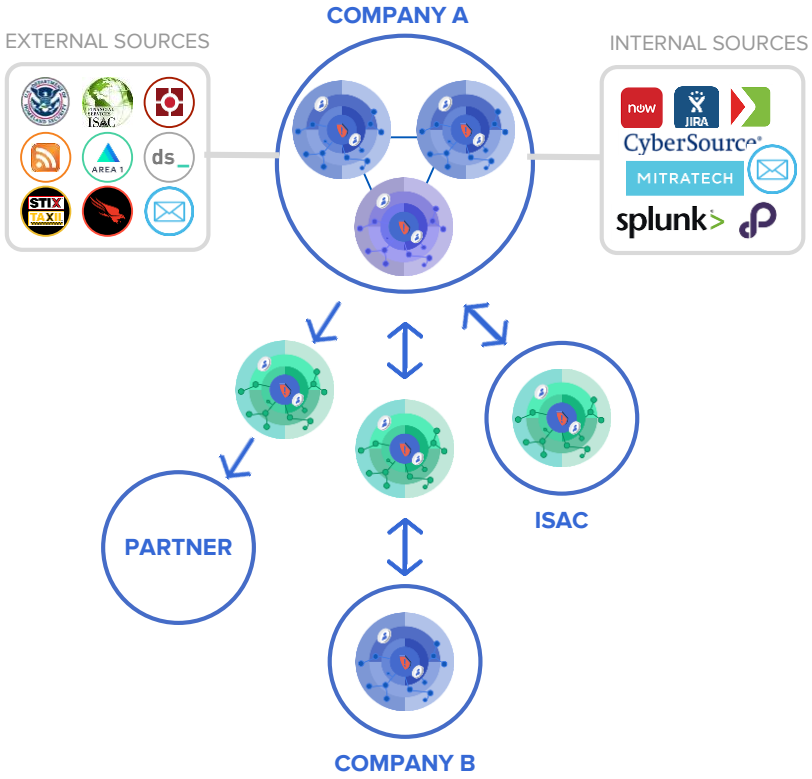
Then make sure you are shepherding intelligence to any alerts that are created - on-demand and IN-WORKFLOW!



3. Manage your intelligence ecosystem.

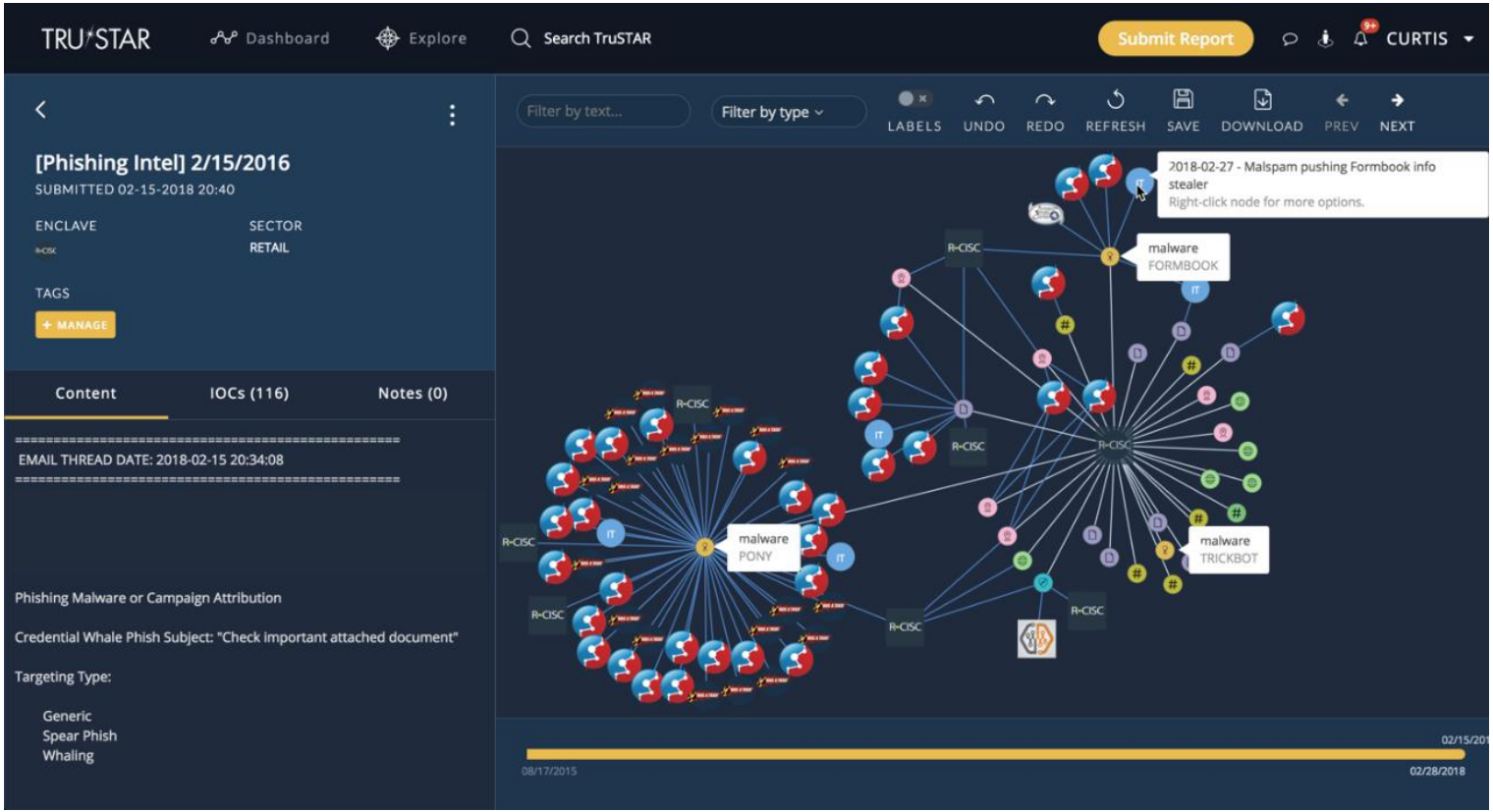
The intelligent enterprises of the (not-too-distant) future will be built on intelligence ecosystems that leverage data from across internal teams and external partners.

These relationships will be streamlined and bi-lateral. We won't be talking about 'sharing' as much as we are talking about 'EXCHANGE' of intelligence.



So how does this look in an R-CISC member’s workflow?

See How R-CISC Reports Correlate to OSINT Data



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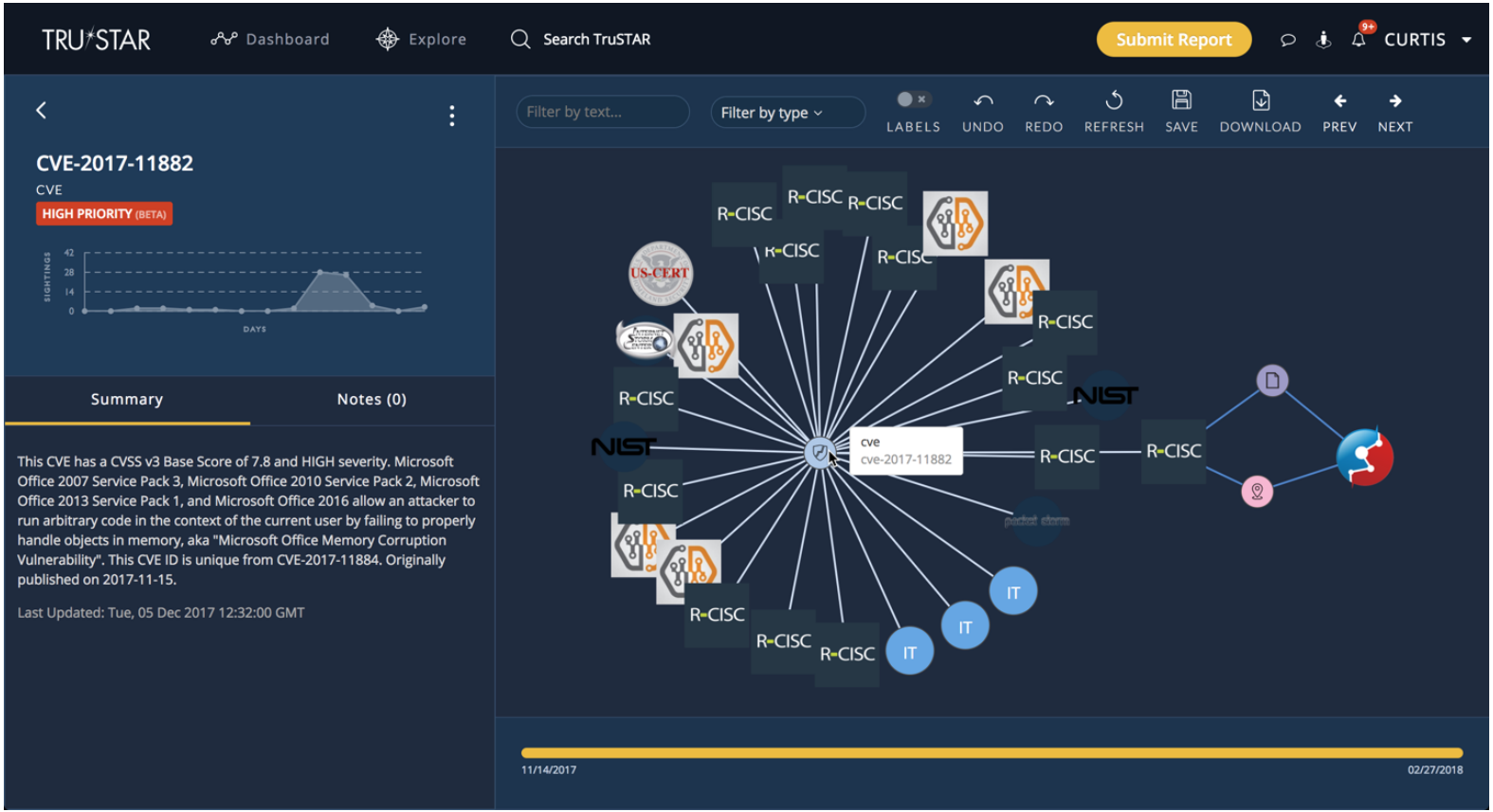

Exchange Best Practices

The Old Way vs. The New Way

LEGACY INFORMATION SHARING PROGRAMS	THREAT INTELLIGENCE EXCHANGE PROGRAMS
Share data about incidents after events are vetted, analyzed and often mitigated	Share suspicious event data as soon as it is identified
Data often shared via email, listservs and other manual	Data shared in many different formats, including via APIs
Often rely on trusted third party to manually scrub shared data of confidential information or submitter identity	Leverage encryption and other technologies to provide automation, anonymity, and sensitive or proprietary data redaction

Cite: *Cloud Security Alliance*

A New Framework for Threat Intelligence Exchange

IDENTIFY SUSPICIOUS EVENTS	GATHER RELEVANT EVENT DATA	DECIDE HOW TO SHARE DATA AND WITH WHOM	MONITOR FOR EVENT FEEDBACK AND CORRELATION	ASSESS THE NEED FOR COLLABORATIVE RESPONSE
Start with events generated by the SIEM or other tools that require review by an analyst	Don't limit sharing to indicators of compromise, but consider adding insight into adversary tools, techniques and procedures when available	Determine with whom to share data and prepare it for submission. Organizations like CloudCISC cover the cloud community, but there may be value in sharing with other organizations and groups.	Some tools that allow for real-time submission can also provide immediate feedback.	Decide whether and with whom to collaborate on defensive strategies.

Cite: *Cloud Security Alliance*

Resources

Reach Out to Learn More About R-CISC & TruSTAR

Visit:

r-cisc.org/membership/

Contact: tommy.mcdowell@r-cisc.org

Visit:

www.trustar.co/integrations

Contact:

pcoughlin@trustar.co

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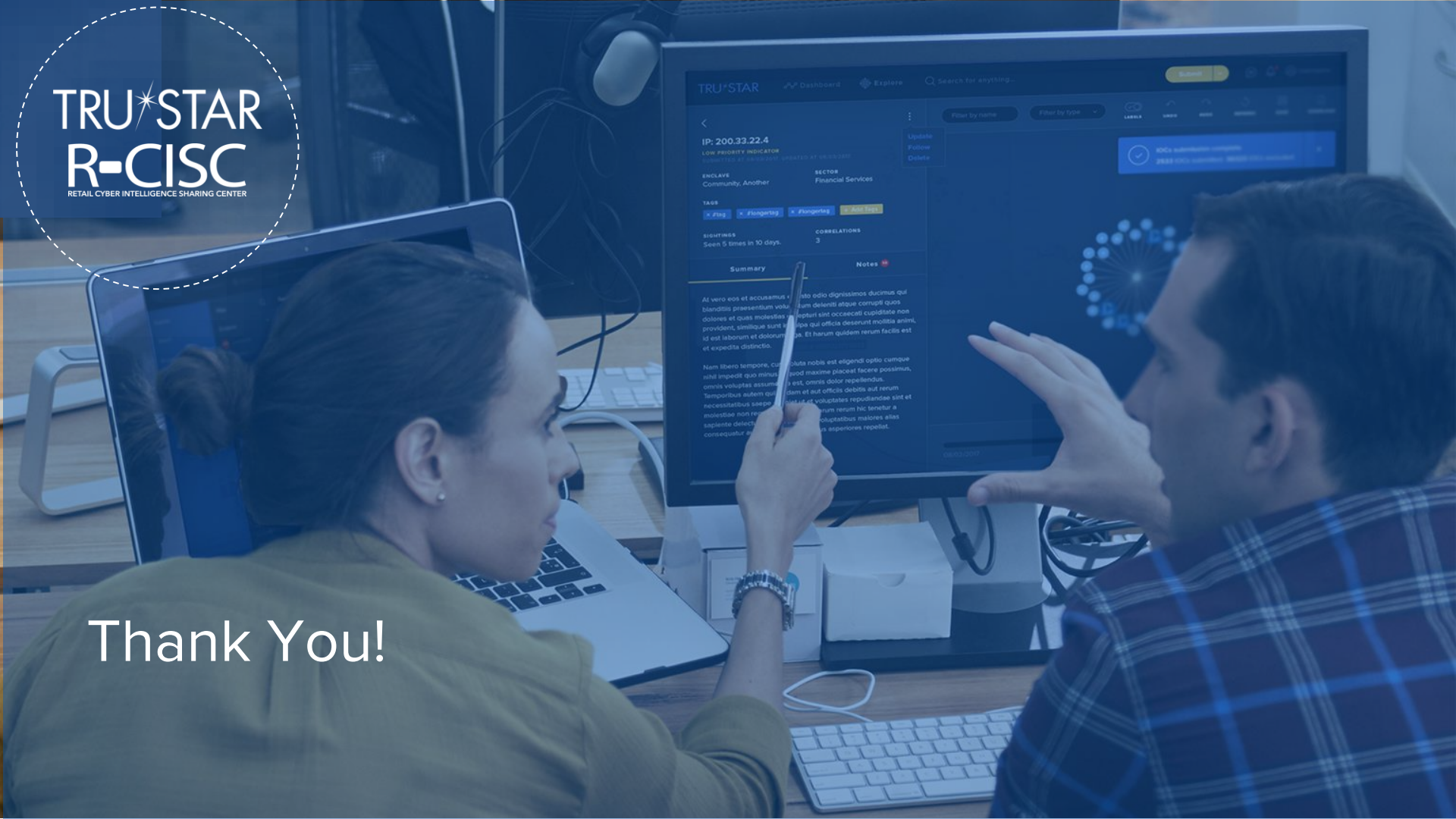

Thank You!