

INTERNET2

2022  
**TECHNOLOGY**  
exchange

Collaboration in the Security Community



# Presenters

- Paul Howell – Internet2
- Nick Lewis – Internet2
- Joseph Potchanant - EDUCAUSE
- Krysten Stevens – REN-ISAC



# Agenda

- Who are we and why are we here?
- Collaborative successes
- Your feedback!

**EDUCAUSE**



INTERNET2  
**2022**  
**TECHNOLOGY**  
exchange

The logo for the Internet2 2022 Technology Exchange is centered on a dark blue background with a network of glowing pink and blue nodes and lines. The text is arranged vertically: 'INTERNET2' in white, '2022' in blue, 'TECHNOLOGY' in yellow, and 'exchange' in pink. The words '2022', 'TECHNOLOGY', and 'exchange' are enclosed within a pink rectangular border.

# EDUCAUSE

- EDUCAUSE Cybersecurity and Privacy Professionals Conference – May 1-3, 2023 in Bellevue, WA – CFP opening in January
- Community Groups – Awareness and Education, GRC, CPO, Privacy, TOP, HECVAT, and 171 compliance
- EDUCAUSE QuickPolls, are one-day polls that rapidly gather, analyze, and share input from the EDUCAUSE community about specific emerging topics.



# EDUCAUSE Connect

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## Welcome to EDUCAUSE Connect

Collaborate with peers to share strategic advice, solve challenges, and develop new approaches.



### Explore

Discover communities to enrich your experience and learning opportunities.

[Explore communities](#)



### Connect

Find others with whom you may seek advice and share common challenges.

[Connect with others](#)



### Engage

Join in discussions with your peers and industry leaders to expand your knowledge.

[Engage in discussions](#)

### Latest Discussions



**RE: hybrid graduation platforms**

By [Dale Stalder](#), 3 hours ago

Posted in: [Small Colleges](#)

We had great success using Marching Order at my previous institution. Graduation Ceremony Software

### Quick Links



[Quick Start](#)



# Learning Labs

The screenshot shows the top navigation bar of the EDUCAUSE website with links for Home, EDUCAUSE Review, Library, and Events. Below the navigation is a search bar and a menu with options for HOME, LEARNING EXPERIENCE, and REGISTRATION. The main content area features the title 'Learning Lab | Creating a Campus Culture of Security and Privacy' and a list of four parts: Part 1 (August 1, 1:00-2:00 p.m. ET), Part 2 (August 3, 1:00-2:30 p.m. ET), Part 3 (August 10, 1:00-2:30 p.m. ET), and Part 4 (August 17, 1:00-2:30 p.m. ET). An 'Overview' section follows, describing the lab's focus on security and privacy. Below that is a 'Learning Outcomes' section with a note and a bullet point. A sidebar on the right contains a 'Register now to participate in this event' button.

EDUCAUSE

Home | EDUCAUSE Review | Library | Events |

Events Search

HOME LEARNING EXPERIENCE REGISTRATION

## Learning Lab | Creating a Campus Culture of Security and Privacy

Part 1: August 1 | 1:00–2:00 p.m.ET  
Part 2: August 3 | 1:00–2:30 p.m. ET  
Part 3: August 10 | 1:00–2:30 p.m. ET  
Part 4: August 17 | 1:00–2:30 p.m. ET

### Overview

As security and privacy have become increasingly intertwined, it's become critical to develop a campus culture that embraces both. A strategic awareness plan helps ensure that your efforts are successful. Attendees will participate in exercises to assess their audiences, develop messaging, identify needed assets (including campus partners), and build an effective plan.

### Learning Outcomes:

**NOTE:** You will be asked to complete assignments in between the Learning Lab segments that support the learning outcomes stated below. You will receive feedback and constructive critique from course facilitators.


- Understand key elements and considerations in creating a security and privacy awareness plan

Register now to participate in this event

# Career Paths - Find your path

## The Four Pathways


The four pathways serve to guide professionals supporting and transforming higher education through the innovative use of technology.



### Information Security

The Information Security Pathway is for higher education professionals whose primary role is to keep the campus community safe and protect institutional data across systems and for constituents, including students, faculty, staff, and partners.


[LEARN MORE](#)



### Information Technology

The Information Technology Pathway is for leaders and professionals who support information technology systems and their strategy, management, budgets, and policy. The pathway guides those who manage the technology ecosystem comprising the systems and services that institutions use to store and manage data and processes, whether on campus, in the cloud, or through shared services.


[LEARN MORE](#)



### Innovation

The Innovation Pathway is for professionals dedicated to the advancement of their institution's mission and strategic goals through the innovative and creative application of strategies and solutions. This pathway supports those tasked with leveraging data and technology in support of cross-institutional transformation.

[LEARN MORE](#)



### Teaching & Learning

The Teaching and Learning Pathway guides those working to enhance or transform learning experiences and student success across the institution through the effective application of learning science and relevant data to guide the selection of pedagogies and technologies.

[LEARN MORE](#)

Positions and years spent at each professional level will vary.



# 2021 EDUCAUSE Horizon Report | Information Security Edition



- Cloud Vendor Management
- Endpoint Detection and Response
- Multifactor Authentication (MFA)/Single Sign-On (SSO)
- Preserving Data Authenticity/Integrity
- Research Security
- Student Data Privacy and Governance



This report profiles important trends and key technologies and practices shaping the future of information security, and envisions a number of scenarios and implications for that future. It is based on the perspectives and expertise of a global panel of leaders from across the higher education landscape

# QuickTalks...

## Member QuickTalk | Core Data Service (CDS) Study Group

Online  
June 07, 2022

Join our study group to connect with EDUCAUSE experts and your peers about how to get the most out of your CDS experience.

## Member QuickTalk | Showcase Coffee Shop: The Digital versus Brick-and-Mortar Balancing Game

Online  
May 12, 2022

Grab your coffee and join us for an informal discussion on digital and physical work and learning spaces.

## Member QuickTalk | Core Data Service (CDS) Study Group

Online  
May 10, 2022

Join our study group to connect with EDUCAUSE experts and your peers about how to get the most out of your CDS experience.

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Jobs .EDU Domain EDUCAU

Hybrid Campus Showcase Topics Insights Conferences & Learning Community Wf

Thursday, December 09 | 1:00PM–2:00PM ET | Online

## Member QuickTalk | Cyber Insurance: Renewals, Rate Increases and Shared Strategies

Cyber Insurance has become an increasingly important topic for our members that is likely to continue evolving for higher education. As we look to 2022 and upcoming insurance renewals, we would like to provide members an opportunity to discuss their experiences and questions, as well as share strategies to address premium increases and new requirements imposed by underwriters and carriers.

To get the most from the QuickTalk experience, we encourage attendees to review the recently published **FAQ** on cyber insurance for higher education. This will be an interactive event and all are invited to contribute their questions and expertise.

### QuickTalk Moderators



Aaron Baillio

CISO, University of Oklahoma



Brian Kelly

Director of the Cybersecurity Program, EDUCAUSE

### Additional Resources

- [Frequently Asked Questions About Cyber Insurance](#)



**INTERNET2**



# Cloud Services Updates

- NET+ Kion added to NET+ program!
- Cloud Scorecard
- Institutional Profiles
- Cloud Vendor Risk Management service evaluation

## My Portfolio Updates

- CrashPlan (34), Duo (200), LastPass (46), Palo Alto Networks (3), Splunk (33) updates
  - NET+ Splunk added Splunk Cloud to the program!
  - MFA Community Survey 2020 report coming out!
- Current Community Calls – CrashPlan (20) and Duo (60-120). Might restart PAN and Splunk.
- Exploring new service providers

# National Research and Education Network Updates

- DDoS Mitigation using Radware cloud-based service
- Routing Integrity Initiative requires the community's adoption of best practices that strengthen the resilience and reliability of data movement across the R&E network ecosystem to support our shared missions
  - **Routing Security** as defined by Mutually Agreed Norms for Routing Security (see MANRS.org)
  - **Hardening of network devices** (MFA authentication, regular review of firmware, logging, etc.)
  - **Detection and mitigation of DDoS attacks**
  - **Resilient cloud connectivity**
  - **IPv6 Deployment**
  - **Routing Integrity** Assessment service - contact [manrs@internet2.edu](mailto:manrs@internet2.edu)



# MUTUALLY AGREED NORMS FOR ROUTING SECURITY (MANRS) IMPLEMENTATIONS

NOVEMBER 2022



"Each of us protecting all of us"



**REN-ISAC**



INTERNET2  
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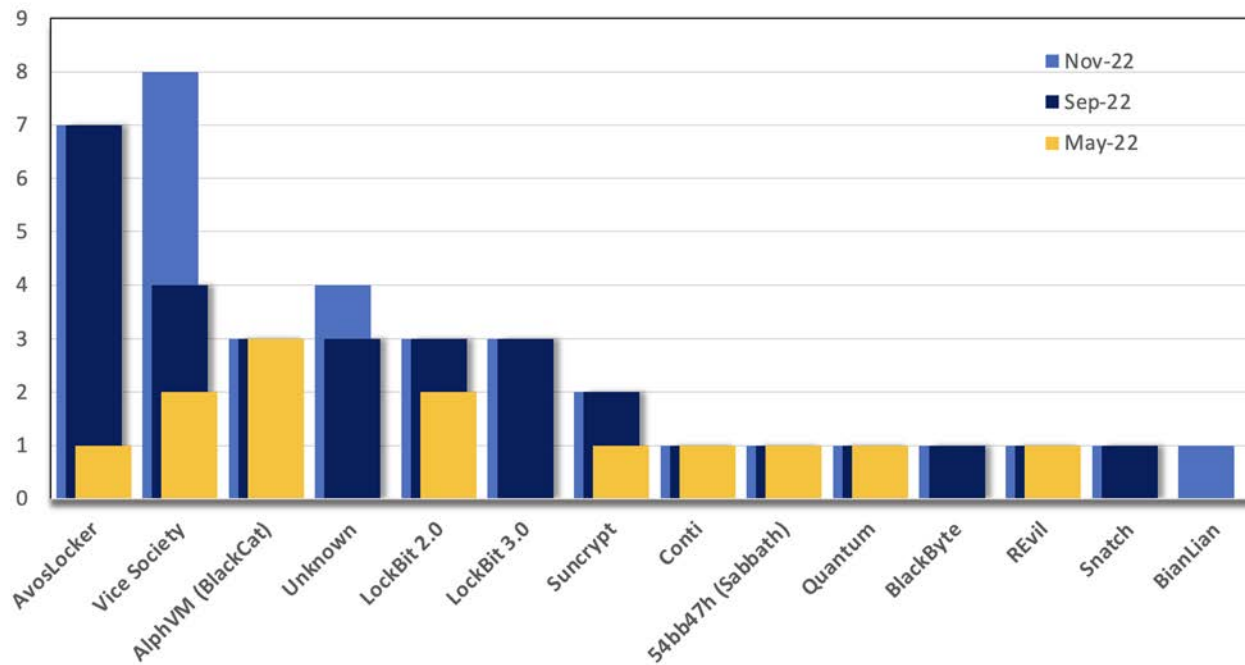
# REN-ISAC - What Are We Seeing?

- Ransomware Tracker
- CSIRT Metrics
- Security Event System (SES)
- Insurance
- Compliance



Adobe Stock

## 2022 Ransomware Attacks on Higher Education by Ransomware Group



# CSIRT ACTIVITY THROUGH 3rd QUARTER 2022

## Current CSIRT Report

Data derived on: 10/15/2022

## Notifications

## YTD Totals

Compromised machines	113,087
Compromised credentials	10,211
Spam or phish	413
Vulnerable machines	16
Open recursive DNS resolvers	891
Open mail relays	-
SSH scanning	-
Other	648

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*Total Notifications* 125,266

## SOC Interactions

Notification questions	250
Password resets	6
Notifications	817
Other	1,418

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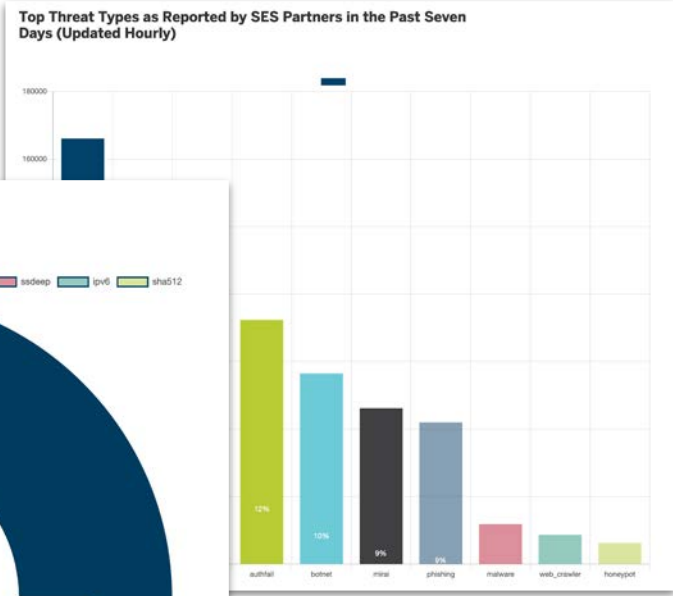
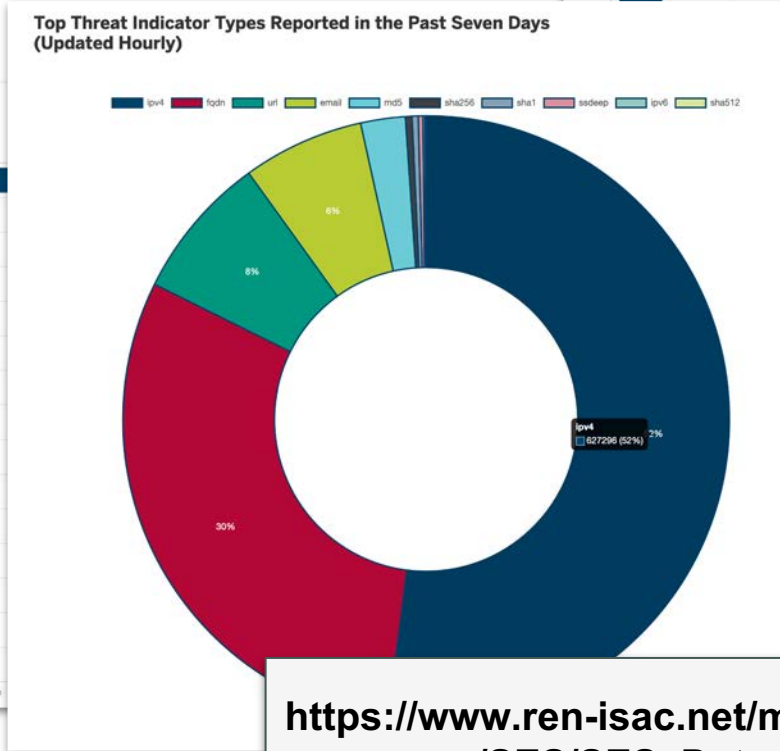
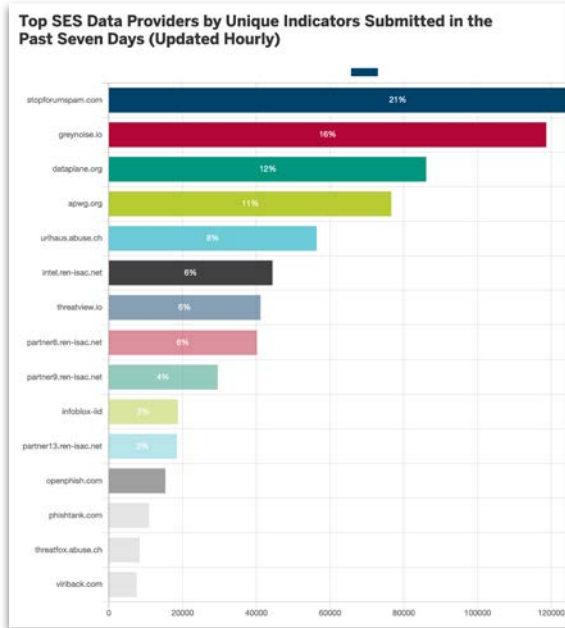
*Total SOC Interactions* 2,491

## Other Data

**SOC non-interactive tickets** 6,395

**Unique institutions contacted (estimate)** 2,195

# Security Event System Stats



[https://www.ren-isac.net/member-resources/SES/SES\\_Data\\_Feed.html](https://www.ren-isac.net/member-resources/SES/SES_Data_Feed.html)

## Cyber Insurance

Higher expectations for less coverage

Separate riders for ransomware?

No coverage for nation state attributed attacks?



## Compliance

### FTC Safeguards Rule

*“The Safeguards Rule requires covered financial institutions to develop, implement, and maintain an [information security program](#) with administrative, technical, and physical safeguards designed to protect customer information.”*

Some provision deadlines extended

<https://www.ftc.gov/business-guidance/blog/2022/11/compliance-deadline-certain-revised-ftc-safeguards-rule-provisions-extended-june-2023>

# REN-ISAC - What Are We Doing?



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- SES
- pDNS
- Active Discussion Lists
- Collaboration with other ISACs
- CSIRT Activities - all EDUs
- Alerts/Advisories/Best Practices
- SANS
- The REN-ISAC Hub - \*NEW\*

# REN-ISAC - How Can We Help?



# COLLABORATION





# AREAS OF COLLABORATION

- Conference planning
- Working Group
- HECVAT
- Program Committees
- Feedback on each others' projects

# Tell Us About It!

- What do you need?
- What is not getting done?
- Where do you see our coordination opportunities?

THANKS!

QUESTIONS AND FEEDBACK?



# Contact Information

- Paul Howell – [phowell@internet2.edu](mailto:phowell@internet2.edu)
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- Joseph Potchanant - [jpotchanant@educause.edu](mailto:jpotchanant@educause.edu)
- Krysten Stevens - [stevenks@ren-isac.net](mailto:stevenks@ren-isac.net)

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