TECHNOLOGY - exchange

Collaboration in the Security Community

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Agenda

Who are we and why are we here?

Collaborative successes

Your feedback!





EDUCAUSE

Conferences

EDUCAUSE Cybersecurity and Privacy Professionals Conference – May 1–3,
 2024 Minneapolis, MN! CFP will open in early January.

EDUCAUSE Annual next month - October 9–12, 2023 in Chicago, IL



EDUCAUSE

EDUCAUSE Cybersecurity and Privacy Workforce Survey will be released in October 2023

The new EDUCAUSE Cybersecurity and Privacy Guide will also launch in October 2023

- 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.







Community Crosps * Discussions Discount EDUCAUSE Parisons Community Events Mont/PAQ *

Welcome to EDUCAUSE Connect

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



Explore

Discover communities to earlich your experience and learning apportunities.

Explore communities +



Connect

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

Connect with others *



Engage

Join in dispussions with your poers and industry leaders to expand your knowledge.

Engage in discussions >

Latest Discussions



RE: hybrid graduation platforms

THE THE STREET, 2 NAVY AGO.

Prested in: Small Colleges

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

Quick Links





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



Career paths – find your path





2021 EDUCAUSE Horizon Report Information Security Edition



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





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.



obs .EDU Domain EDUCAU

Hybrid Campus Showcase

Topics

Insights Conferences & Learning

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community

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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





Additional Resources

Frequently Asked Questions About Cyber Insurance





Cloud Services Updates

- Cloud Scorecard over 50 service providers with many of interest to information security
- Institutional Profiles
- Vendor Risk Management service evaluation
- NET+ Miro now live!
- Service Evaluation for data migration tools

MY PORTFOLIO UPDATES

- CrashPlan (39), Duo (204), LastPass (69), Palo Alto Networks (3), Splunk (28) updates
 - MFA Community Report 2023 presentation this week!
 - Started NET+ LastPass Service Advisory Group
- Current Community Calls CrashPlan (20) and Duo (60-120). Might restart PAN and Splunk.
- Vendor Risk Management and Vendor Management call?
- Exploring new service providers

InCommon

- <u>BaseCAMP</u> provides a workshop for those new to identity and access management (IAM), new to InCommon, or both, that focuses on the basics, an introduction to the InCommon Federation, and overviews and demonstrations of the community-developed identity and access management suite
- Participate in the <u>InCommon Academy for IAM training</u>
- Get involved in the <u>Community Success Program</u>
- Changes coming from NIH around potential areas of improvement in <u>identify</u> <u>proofing processes</u> for your campus.
- Get involved in the in the 2nd annual cybersecurity cooperation <u>exercise this</u> fall!
- InCommon kicked off Futures2, a <u>strategic planning project</u> being undertaken by the Steering Committee to help guide a vibrant future for InCommon

NATIONAL RESEARCH AND EDUCATION NETWORK UPDATES

Routing Integrity Initiative encourages 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

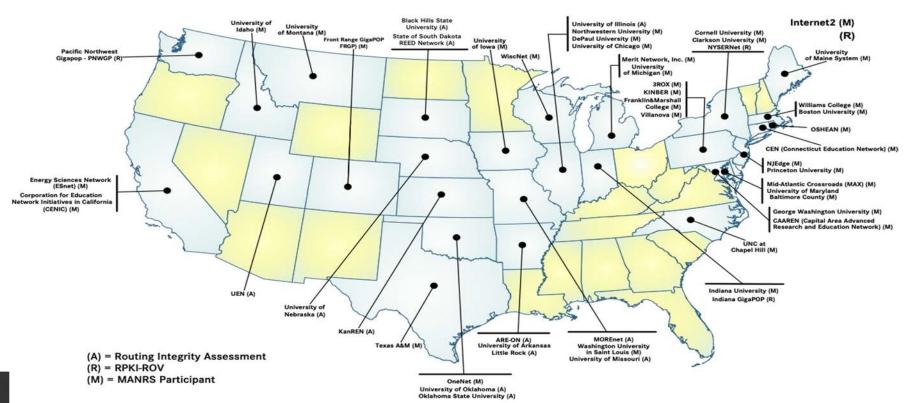
- Routing Security as defined by Mutually Agreed Norms for Routing Security (see MANRS.org)
- Hardening of network devices (MFA authentication, regular review of firmware, logging, etc.)
- Detection and mitigation of DDoS attacks
- Resilient cloud connectivity
- IPv6 Deployment
- Routing Integrity Assessment service contact manrs@internet2.edu
- Reports showing the accuracy of published routing policy for RENs https://github.internet2.edu/ssw/IRR-report
- Autonomous System Provider Authorization Working Group (ASPA-WG) is develop recommendations for its adoption by R&E networks

EACH OF US PROTECTING



INTERNET2 ROUTING INTEGRITY MILESTONES

MAY 2023



Nearly half of the US R&E IP addresses lack an ARIN agreement

What we see in the Internet2 R&E table:

- 2,203 ARIN direct IP address assignments
- 1,023 (46%) without an ARIN Agreement
- \$1,876,124,160 Market value of IP numbers not covered by ARIN agreement!

Many mistakenly believe their IP addresses are covered by an ARIN agreement

- No agreement required to manage whois information (i.e., portal access doesn't require an agreement)
- You may be receiving and paying ARIN bills for other resources



Benefits of the ARIN agreement

- Access to routing security services:
 - Authenticated IRR
 - Hosted RPKI-ROAs
- Participation in ARIN's governance
- Better sleep knowing you have an agreement that specifies the registration services that announce to the Internet who holds your IP addresses

NOTE: Using ARIN Hosted RPKI-ROA service is, by far, the easiest way to mitigate the risk of outage due to route hijacking. No equipment changes required. It's only a bit more complicated than filling out a simple web form!

ARIN agreement fee changes (for legacy resources)

For legacy resources in 2023, ARIN's fees are \$175/yr. That's \$175/yr for any number of legacy resources. **Signing an agreement this year locks in fee increases of \$25/yr**.

Waiting until next year (or longer) to sign an ARIN agreement will result in fees subject to ARIN's normal fee schedule. For a single /16, the current fee schedule is \$4,000/yr (22 times higher than the legacy fee schedule).

Across the Internet2 community, this difference adds up to **\$2M/yr** in fees for agreements signed after 2023, vs **\$75K/yr** in fees for agreements signed this year.

Questions? Go to the ARIN table or email manrs@internet2.edu



REN-ISAC

Research & Education Networks Information Sharing & Analysis Center



REN-ISAC - What Are We Seeing?

- Ransomware Tracker
- CSIRT Metrics
- Security Event System (SES)
- pDNS



2022-2023 Stats by Ransomware Group

RW Group	Count of RW Group	% of overall	RW Group
Vice Society	9	21%	Vice Society
AvosLocker	7	16%	Clop
AlphVM (BlackCat)	4	9%	LockBit 3.0
LockBit 3.0	3	7%	AvosLocker
Unknown	3	7%	Royal
Hive	3	7%	Nokoyawa
LockBit 2.0	3	7%	Snatch
Suncrypt	2	5%	Akira
BianLian	2	5%	Rhysida
Snatch	1	2%	BianLian
Quantum	1	2%	
BlackByte	1	2%	
Conti	1	2%	
54bb47h (Sabbath)	1	2%	
REvil	1	2%	
Royal	1	2%	MONTI
Grand Total	43	100%	Grand Total
7			Mean Enrolln
Mean Enrollment	8310.34		Median Enro
Median Enrollment	3231		RI Members
RI Members Affected	19.00%		

RW Group	Count of RW Group	% of overall		
Vice Society	11	21.57%		
Clop	10	19.61%		
LockBit 3.0	7	13.73%		
AvosLocker	4	7.84%		
Royal	3	5.88%		
Nokoyawa	3	5.88%		
Snatch	2	3.92%		
Akira	2	3.92%		
Rhysida	2	3.92%		
BianLian	2	3.92%		
AlphVM	1	1.96%		
Trigona	1	1.96%		
Medusa	1	1.969		
Play	1	1.96%		
MONTI	1	1.96%		
Grand Total	51	100.00%		
Mean Enrollme	e 10606.26			
Median Enrolli	7452			
RI Members At	ff 16.36%			

CSIRT ACTIVITY in 2023

Unique institutions contacted per period*

Master File: Current CSIRT Data 2023								
	Jan	Feb	Mar	Q1	Apr	May	Jun	Q2
Compromised Machines	3570	5137	4643	13,350	2,858	4,313	4,244	11,415
Compromised Credentials	6791	9977	5995	22,763	1,893	3,947	9,234	15,074
Spam or Phish	15	12	10	37	9	19	3	31
Vulnerable Machines	0	67	445	512	0	0	0	0
Open Recursive Domain Resolvers	75	68	99	242	61	71	76	208
Open Mail Relays	0	0	0	0	0	0	0	0
SSH Scanning	0	0	0	0	0	0	0	0
Other Misc Notifications	7	3	8	18	3	8	3	14
Total:	10,458	15,264	11,200	36,922	4,824	8,358	13,560	26,742
SOC Interactions								
notification questions	10	31	9	50	55	58	22	135
password related	90	7	2	99	0	0	4	4
notifications	33	57	40	130	48	49	12	109
other	7	261	198	466	134	160	165	459
total interactions:	140	356	249	745	237	267	203	707
SOC non-interactive tickets	1,026	498	278	1802	163	192	222	577

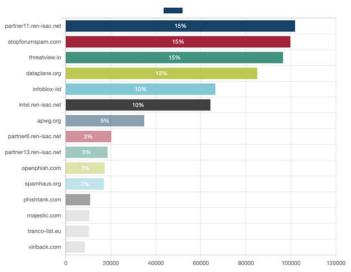
1,099

1,606

2,061

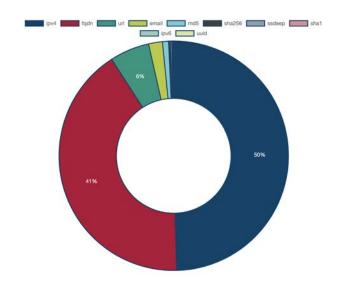
Security Event System Stats

Top SES Data Providers by Unique Indicators Submitted in the Past Seven Days (Updated Hourly)



*partnerXX.ren-isac.net are anonymized contributors

Top Threat Indicator Types Reported in the Past Seven Days (Updated Hourly)



https://www.ren-isac.net/member-resources/SES/SES_Data_Feed.html

Security Event System Stats 2022-2023

- 31MM+ ALL indicators
- 10MM+ High confidence indicators
- 7,7MM+ High confidence indicators from .edu providers

72% of High Confidence indicators are from .edu providers

REN-ISAC - What Are We Doing?



- SES
- pDNS
- Active Discussion Lists
- Collaboration with other ISACs
- CSIRT Activities all EDUs
- Alerts/Advisories/Best Practices
- The REN-ISAC Hub
- Peer Assessment
- PEN testing

REN-ISAC - How Can We Help?

info@ren-isac.net



AREAS OF COLLABORATION

- Conference planning
- Working Groups
- . 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

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