Shared Cloud Security Assessments
Working Group Update
Presenters

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REN-ISAC

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Extended Information Security Manager
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Program Manager
Internet2
Agenda

• Background & Overview
• HECVAT Improvement Debrief
• HECVAT Assessment – Automation & Demonstration
• Cloud Broker Index
• Vendor Engagement
• Case Studies
• Call for Participation & Future Efforts
The HECVAT working group is the best!
Phase 3 Contributors

- Jon Allen, Baylor University
- Josh Callahan, Humboldt State University
- Charles Escue, Indiana University
- Jeff Hopkins, Purdue University
- Alex Jalso, West Virginia University
- Amanda Sarratore, Notre Dame
- Gary Taylor, York University
- Gene Willacker, Michigan State University
- David Zeichick, California State University-Chico
- Staff Liaisons from EDUCAUSE, Internet2, and REN-ISAC
  - Valerie Vogel, Nick Lewis, Todd Herring, Kim Milford, Susan Coleman
Campuses Using the HECVAT (66)

American University
Appalachian State University
Art Institute of Chicago
Baylor University
Berry College
Boston College
Bowling Green State University
Brown University
California Baptist University
California State University, all Campuses and System
Carnegie Mellon University
Carthage College
Champlain College
Clarkson University
Cornell University
Davidson College
Denison University
DeSales University
Drake University
Drexel University
Duquesne University
East Carolina University
Ferris State University
Foothill-De Anza Community College District
Franklin & Marshall College
Georgia Institute of Technology
Hillsborough Community College
Indiana University
Indiana Wesleyan University
John Carroll University
Kent State University
LeTourneau University
Linfield College
Marylhurst University
Miami University
Morgan State University
Northern Arizona University
Oakland University
Ohio Northern University
Oregon State University
Pepperdine University
Princeton University
Radford University
Rice University
Rutgers University
Southern Alberta Institute of Technology
Stony Brook University
Suffolk County Community College
Susquehanna University
Troy University
Truman State University
University of California, Davis
University of Delaware
University of Maine System
University of Maryland
Baltimore
University of Massachusetts
Amherst
University of Oregon
University of Portland
University of Richmond
University of Tennessee, Knoxville
West Virginia University
Western Carolina University
Western Michigan University
William & Mary
Williams College
Yavapai College
What the HECVAT!

- History
- Unique collaboration
- Ongoing Project
Updates in the last year

• Updated HECVAT Questionnaire

• Crosswalk Updates

• Cloud Broker Index (CBI)
Phase 3 Deliverables

• Engage vendors
  • For HECVAT awareness
  • CBI participation
• Automated triage
What the HECVAT!

- The project is three years old
- A win for schools and vendors
- Simplify, Expedite, Improve Assessments
HECVAT Improvement Debrief

- Crosswalk
- Score
- Assess
- Report
- Standardize
Crosswalk

- Added PCI DSS!
- CIS Critical Controls
- HIPAA
- ISO:27002:2013
- NIST Cybersecurity Framework
- NIST 800-171r1
- NIST 800-53r4
Automated Triage – Live Demo!

- Collecting the data
- Assessing the risk
- Example going through automated scoring
- How to convert and do scoring
- Look on weighted questions
LIVE DEMO!
Cloud Broker Index

https://www.ren-isac.net/hecvat/cbi.html
HECVAT & the CBI

- CBI = Cloud Broker Index
- HECVAT Phase 2
- Convenience
- Single source
- Balance accessibility with privacy
Service Providers Using HECVAT

16 Service Providers with 22 HECVATs!
# Service Providers Incorporating HECVAT

## 5 Service Providers (so far)

<table>
<thead>
<tr>
<th>Vendor</th>
<th>Product Name</th>
<th>Date of Inclusion</th>
<th>Vendor Site</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advantiv Solutions</td>
<td>DecisionDirector for HECVAT</td>
<td>October 30, 2018</td>
<td><a href="https://advantiv.com">https://advantiv.com</a></td>
</tr>
<tr>
<td>Salty Cloud, PBC</td>
<td>Isora</td>
<td>May 8, 2019</td>
<td><a href="https://saltycloud.com">https://saltycloud.com</a></td>
</tr>
<tr>
<td>Swivi, Inc</td>
<td>Swivi Cloud</td>
<td>March 1, 2019</td>
<td><a href="https://cloud.swivi.com">https://cloud.swivi.com</a></td>
</tr>
<tr>
<td>ThirdPartyTrust</td>
<td>ThirdPartyTrust</td>
<td>April 1, 2019</td>
<td><a href="https://thirdpartytrust.com">https://thirdpartytrust.com</a></td>
</tr>
</tbody>
</table>
HECVAT & the CBI

REN-ISAC proactively reaches out to vendors

Universities working with certain vendors provide facilitation
- Please send vendors to us!
- hecvat@ren-isac.net
- We can provide scripted outreach as needed

Vendors come to REN-ISAC requesting participation
## Cloud Broker Index (CBI)

<table>
<thead>
<tr>
<th>Level</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Public</strong></td>
<td>• Hosted and linked on REN-ISAC web site</td>
</tr>
<tr>
<td><strong>Public2</strong></td>
<td>• Vendor hosts, REN-ISAC links</td>
</tr>
</tbody>
</table>
| **Semi-Public** | • Vendor hosts, REN-ISAC links  
• Vendor hosts behind firescreen, sends the link and information |
| **Private** | • Vendor controls, REN-ISAC links  
• Vendor keeps private, send instructions on how people can request |
Vendor Partner Value

• Shows engagement in the procurement conversation
• Reduce redundant use or staff
• Increase quality of assessments
• Differentiation in the marketplace
• Being seen as engaged with the community
• Getting contacts at potential customers
Indiana University Case Study
We moved away from pure technical to include strategy and business operations

- Needed a way to assess RFP responses more efficiently
- The needs of our data stewards grew with service adoption and with it, our process
After adopting the HECVAT, IU prioritized risk assessment process improvements

- **Standardization**: Has become a factor in our security strategy. Focusing on training to ensure analyst proficiency.
- **Operations**: Community de facto is increasing trust internally. Improved consistency across assessments.
- **Reporting**: Like many schools, we do not have a “perfect” report. HECVAT charts provide context to our data stewards.

Phase 4 deliverable
The HECVAT elevates our leaders confidence and improves collaboration
Working with our security peers in the community will increase our capabilities
California State University
Case Study
How We Got Here

The Problem
The 23 campuses in the system and our Chancellor’s Office have widely varying IT procurement processes. Additionally, we often use different definitions.

The Goal
We set out to develop a common vendor assessment process that produces a risk ranking. This would allow subsequent campuses to review that score and decide if the solution falls within their risk appetite.

That led us to a common set of procurement forms and to standardize on asking for the HECVAT
Let’s Play 300 Questions!

One challenge was the length, both filling out and reading – could we automate the scoring?

We started with a separate scoring spreadsheet that could read a filled HECVAT and produce some numerical scoring and
Call to Community

• Commit to HECVAT
• Allow referencing
  • https://docs.google.com/forms/d/e/1FAIpQLSe7utsnnriOh_ARp-szZ5sVgN7sak6m-94rFuf0QkgoSMK5SA/viewform
• Educate Vendors
• Give feedback
Future Direction - Phase 4

- Governance
- Strategies
- Workplan

- Partnerships
- Privacy
- Accessibility
- Other SMEs

- Plan
- Develop

- Explore
- Comms

- Contract Language
- Report Templates
- Documentation
- "On-Prem" HECVAT

- Collaboration
- Communications
- Feedback
- Outreach

#Security19
Workshop Resources

Workshop Slides: http://go.iu.edu/2aED
Workshop Demo: http://go.iu.edu/2aEu
Questions & Feedback
security-council@educause.edu
Session Evaluations

There are two ways to access the session and presenter evaluations:

1. In the online agenda, click on the “Evaluate Session” link.

2. From the mobile app, click on the session you want from the schedule > then click the associated resources > and the evaluation will pop up in the list.

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