AZSecure-data.org

Summer 2018 Data Release

Data Infrastructure Buildings Blocks for Intelligence and Security Informatics (DIBBs for ISI)

We hope to see you at these upcoming ISI community events!

EISIC 2018	Karlskrona, Sweden, October 23-25, 2018 - Registration deadline September 1
IEEE-ISI 2018	Miami, Florida, November 9-11, 2018 - Paper submission deadline July 20
HICSS 2019	Cybersecurity Symposium, Maui, Hawaii, January 8-11, 2019 - Paper submission deadline June 15
WiCyS 2019	Women in Cybersecurity, Pittsburgh, Pennsylvania, March 29-30, 2019

We Want to Know Your Needs

Please answer a short survey (three questions, 1-3 minutes).

Newly Released Data

The DIBBs for ISI data portal has released a number of new intelligence and security informatics-related data sets. Newly added data collections include **Hacker Forums** (7), **Internet Relay Chat Logs** (3), **Dark Net Markets** (2), **Network Traffic** (8), and **Phishing Websites** (1).

Forums:
- **CrackingArena Forum**: 44,927 posts and 11,977 active users. 4/8/2013 – 2/24/2018. English
- **CrackingFire Forum**: 37,572 posts and 14,511 users. 4/7/2011–2/21/2018 English
- **ExeTools Forum**: 24,663 posts.1/16/2002 – 3/14/2018. English
- **Garage4Hackers Forum**: 8,700 posts. 7/6/2010 – 9/18/2017. English
- **Antichat Forum**: 233,480 posts. 3/6/2002 – 3/27/2018. English
- **DamageLab Russian**: 7,569 posts. 11/13/2004 – 2/15/2018. Russian
- **Xakepok Forum**: 48,034 posts. 4/15/2009 – 10/18/2017. Russian

Internet Relay Chat:
- **Anonops IRC**: affiliated with the activities of Anonymous hacktivist group. 1,874,984 messages. 2016-2018.
- **Hacker IRC**: known for facilitating the activities of Anonymous hacktivist group. 231,994 messages. 2016-2018.
- **Ed IRC**: hackers and hacktivist use this IRC channel to communicate and share knowledge. 829,457 messages. 2016-2018.

Dark Net Markets:
- **DreamMarket:** 2017: 91,463 product listings; 2016: 39,473 product listings

Network Traffic:

Hsinchun Chen, Ph.D.
Regents' Professor, Thomas R. Brown Chair of Management and Technology, and Director of the Artificial Intelligence Lab, The University of Arizona. PI, Data Infrastructure Building Blocks for Intelligence and Security Informatics (DIBBs for ISI).

hchen@eller.arizona.edu
ai.arizona.edu

Data sharing increases paper citation rates

Citations by Data Type and Year
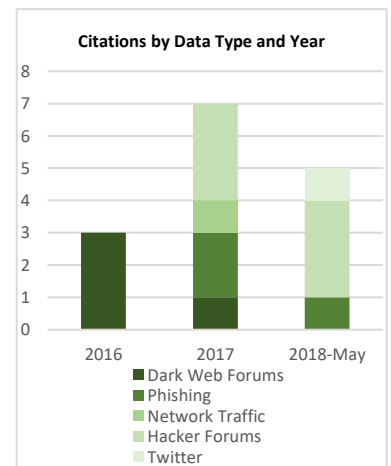
Do you have data to share?

AZSecure-data accepts legacy and current datasets from the intelligence and security informatics domain. You can recommend or submit a dataset at any time by contacting ailab@eller.arizona.edu.

- **Aktaion Example Labeled Dataset**: labeled network traffic data in ARFF format. 2016.
- **Chris Sanders' Packets**: 76 PCAPs contains live malware captures. 2017.
- **Standard Dragon NIDS Alert Logs**: alert logs from the Enterasys Dragon NIDS 4.x intrusion detection system. 2006-2007.
- **Linux Redhat Honeynet**: system logs from a Linux Redhat 7.1 system deployed in a honeynet. 2006-2007.
- **Malware Training Sets**: 71 JSON format labeled malware examples.
- **Shadowbrokers EternalBlue/EternalRomance**: PCAP data from the EternalBlue and EternalRomance malware. These PCAPs capture the actual exploits in action, on target systems that had not yet been patched to defeat to the exploits. 2017.
- **VERIS Community Database**: widespread publicly collected security incidents described in a common language. 2012-2017.
- **Unified Host and Network Data Set**: address the current lack of datasets derived from real-world enterprise networks, and to also fulfill the need for a rich dataset that has not been so heavily sanitized as to cripple any cyber-research value. 2017.

Phishing Websites
- **PhishMonger**: ongoing collection contains ~400,000 websites collected between November 2015 and April 2018.

About the Project

With funding from the National Science Foundation, this Data Infrastructure Building Blocks for Intelligence and Security Informatics ("DIBBs for ISI") project is developing a research infrastructure for use by ISI scientists, students, and others studying a wide range of cyber and security related issues, whether in computer, information, or social sciences. The project portal provides researchers and students with free access to a wide variety of relevant data sets. This material is based upon work supported by the National Science Foundation Grant No. ACI-1443019.

Follow Us!

This newsletter is quarterly, but if you would like more frequent updates on ISI related topics, take a look at Intelligence and Security Informatics on LinkedIn, Facebook, and Twitter. New data is announced via Twitter @AZSecureData as soon as it is available through the portal. If you missed a newsletter, you can always read them on the portal.

Usage of the DIBBs for ISI portal continues to increase

Researchers distributed across 87 countries have downloaded over 68,000 files and 3.09 TB of data since the portal was launched in 2015.

Accumulated File Request Count
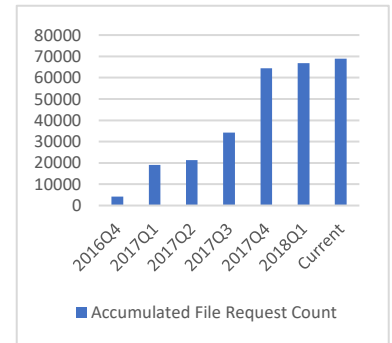
This material is based upon work supported by the National Science Foundation under Grant No. ACI-1443019.

Any opinions, findings, and conclusions or recommendations expressed in this material are those of the author(s) and do not necessarily reflect the views of the National Science Foundation.

To be removed from this distribution list, click here or reply with REMOVE in the subject line:

##OptOutURLSingleList##

Artificial Intelligence Laboratory
The University of Arizona
1130 E. Helen Street
McClelland Hall 116
Tucson, AZ 85721

##TrackImpression##