Ohio Cybersecurity Resources Guide

A comprehensive guide to federal and state cybersecurity resources for Ohioans, providing detailed information on entities offering support, guidance, and services to help protect against and respond to cyber threats.

Cyberattack Emergency

In case of a cyberattack, immediate action should be taken.

Political subdivisions in Ohio are legally required to report when a cyber incident has occurred. Doing so can also provide quicker access to key resources that can mitigate the effects of an incident.

Who to call?

Call the **Ohio Cyber Integration Center (OCIC)**, a part of Ohio Homeland Security at **614-387-1089**. You can learn more about reporting an incident at:

https://homelandsecurity.ohio.gov/ohio-cyber-integration-center

OHIO PERSISTENT CYBER IMPROVEMENT

A program of the Ohio Cyber Range Institute

Ohio Cybersecurity Resources Guide

Resources Guide Content:

Resources Key

- ▶ State of Ohio Resources
- ▶ Federal Resources
- ▶ Non-Profit Resources
- * Paid Resource

Helpful Resources: (please note: links to resources in this guide are subject to change over time.)

Ohio Department of Higher Education (ODHE) has TechCred which is a state program supporting employers in offering technology-focused training to their employees by providing credentials that are short-term, industry-recognized, and technology-focused.

Ohio Cyber Reserve (OhCR) offer targeted seminars and sessions designed to help organizations develop and improve their their cybersecurity posture. Their Ready-Made Program provides baseline security documents that can be used when building a cyber program.

The Multi-State Information Sharing and Analysis Center MS-ISAC is a resource dedicated to improving the overall cybersecurity posture of the United States' state, local, tribal, and territorial (SLTT) governments via membership. It Provides updates on emerging cyber threats through daily e-mail alerts.

Local Government Grant Program provides grant funding to assist local government entities in migrating to a (.gov) internet domain so all local government websites and email addresses can be more confidently recognized as genuine government information.

Ohio Homeland Security has the Ohio Cyber Integration Center (OCIC), whose core mission revolves around coordinating incident response activities across Ohio.

The National Institute of Standards and Technology (NIST), a part of the U.S. Department of Commerce, offers resources that include publications across fields of science and technology, such as Cybersecurity Guidelines, Technical Specifications, and Recommendations for Information Security.

OHIO CYBER RANGE INSTITUTE
POWERED BY UNIVERSITY OF CINCINNATI

Ohio Cyber Range Institute
3080 Exploration Avenue
Cincinnati, OH 45206-0639

Email: opciprogram@uc.edu
Phone: 513-556-8138
Web: ohiocyberrangeinstitute.org

Ohio Cybersecurity Resources Guide

OHIO PERSISTENT CYBER IMPROVEMENT

A program of the Ohio Cyber Range Institute

Education and Training

▶ **State of Ohio Resources**

- **Ohio Digital Academy** recruits current college/university students and recent graduates with technical backgrounds and interests to work for State Government in IT/cybersecurity positions.

- **Ohio Cyber Reserve (OhCR)** offer targeted seminars and sessions designed to help organizations develop and improve their Incident Response Guides (IRG). Ohio Cyber Reserve (OhCR) assists schools in starting or sustaining Cyber Clubs to enhance cybersecurity awareness and skills among youth and provide mentoring in cybersecurity.

- **Ohio Cyber Collaboration Committee (OC3)**, led by the Ohio National Guard, offers the Cyber Corps Scholarship For Service (SFS) program, which recruits, funds, and trains students to become IT professionals, industrial control system security experts, and security managers.

- **Cybercrime Support Network (CSN)** is an advocate and partner with Ohio Cyber Collaboration Committee (OC3) facilitates access Military and Veteran program fights cybercrime by providing education and resources to protect against fraud and scams. It offers in-person workshops, speaking engagements, outreach, educational materials, and customized solutions tailored to organizational needs. Cybercrime Support Network (CSN) is an advocate and partner with Ohio Cyber Collaboration Committee (OC3) facilitates access serving Romance Scam Survivors program which provides mental well-being guidance, cybercrime education, and monitored post-session communications.

- **Ohio Department of Education** / Sinclair Community College in partnership with D2L offers Free (Intro to Cyber Security) Training for leaders and administrators of K-12 schools' systems to learn about the specific needs and challenges of identifying cyber-attacks on schools.

- **Ohio CyberClub Toolkit (OC2)** Project is an initiative of the Education and Workforce subcommittee of the Ohio Cyber Collaboration Committee (OC3). This toolkit offers guidance and resources for advisors on starting and managing cyber clubs within schools or organizations.

- **Ohio Department of Higher Education (ODHE)** has TechCred, a state program supporting employers in offering technology-focused training to their employees by providing credentials that are short-term, industry-recognized, and technology-focused.

- **Ohio Cyber Range Institute (OCRI)** offers Cybersecurity Education Programs for various audiences. For K-12 students and teachers, OCRI provides virtual lab environments and education resources categorized by the NICE framework, supporting cybersecurity education with modules and lessons.

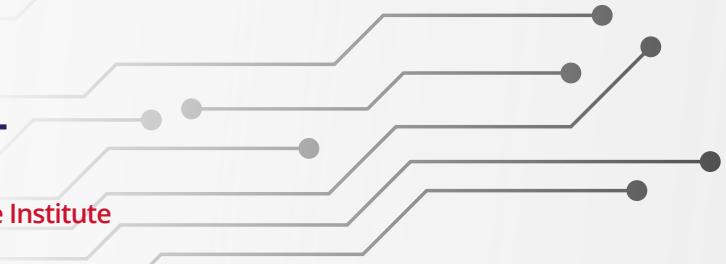**OHIO CYBER RANGE INSTITUTE**
POWERED BY UNIVERSITY OF CINCINNATI

Ohio Cyber Range Institute
3080 Exploration Avenue
Cincinnati, OH 45206-0639

Email: opciprogram@uc.edu
Phone: 513-556-8138
Web: ohiocyberrangeinstitute.org

Page 2

Ohio Cybersecurity Resources Guide

Education and Training

▶ State of Ohio Resources

- **Ohio Cyber Range Institute (OCRI)** facilitate access to the Ohio Cyber Range (OCR) Virtual Cloud environment for educators or professionals involved with Cybersecurity education. Ohio Cyber Range Institute (OCRI) offer virtual bootcamps designed to prepare students and adult learners for industry-recognized certifications and develop hands-on skills for immediate workforce readiness. Ohio Cyber Range Institute (OCRI) facilitate cyber exercises that include practical cybersecurity education opportunities, enhancing the skills of both students and adult learners and connecting academic and industry researchers to create a network of talented professionals across the state.

▶ Federal Resources

- **Ohio Homeland Security** offers The Critical Infrastructure and Cyber Protection Program to enhance cybersecurity across the state by developing and promoting various cybersecurity programs and services.

- **The Cybersecurity and Infrastructure Security Agency (CISA),** under the Department of Homeland Security (DHS), provides the Federal Virtual Training Environment (FedVTE), offering over 850 hours of online cybersecurity training on topics such as cloud security, ethical hacking, risk management, and malware analysis. CISA, under the Department of Homeland Security (DHS), provides resources through the CISA Gateway, a web portal that gives authorized users access to tools and information for cybersecurity and critical infrastructure protection. To gain access, users must be Protected Critical Infrastructure Information (PCII) certified and complete CISA Gateway training. CISA, under the Department of Homeland Security (DHS), provides program resources, including the K-12 School Security Guide (3rd Edition) and School Security Assessment, to support schools in conducting vulnerability assessments and implementing layered physical security elements.

- **The National Security Agency (NSA)** offers cybersecurity services and resources including the NSA Cyber Exercise (NCX), an annual competition that challenges students in near full-spectrum cyber operations.

- **CyberPatriot** is the National Youth Cyber Education Program created by the Air & Space Forces Association. The program includes different paths of cyber education like the National Youth cyber defense competition where high school and middle school students work to secure virtual networks, the AFA CyberCamps that provide students with cybersecurity training opportunities, the Elementary School Cyber Education Initiative which introduce cybersecurity concepts to younger students, CyberGenerations, a senior citizen cyber safety initiative, and Tech Caregivers Program that encourages cyber-savvy volunteers to give back to their communities.

OHIO CYBER RANGE INSTITUTE
POWERED BY UNIVERSITY OF CINCINNATI

Ohio Cyber Range Institute
3080 Exploration Avenue
Cincinnati, OH 45206-0639

Email: opciprogram@uc.edu
Phone: 513-556-8138
Web: ohiocyberrangeinstitute.org

Page 3

Ohio Cybersecurity Resources Guide

Education and Training

▶ Nonprofit – Resources

- **CAE** is an educational institution and nonprofit organization and considered a Center of Academic Excellence in Cybersecurity, provideing cybersecurity education in the US for citizens and governments.

Incident Reporting and Response

▶ State of Ohio Resources

- **Ohio Cyber Reserve (OhCR)** is a volunteer militia under the Ohio Adjutant General's Department composed of trained civilians who are available to assist organizations with cybersecurity vulnerabilities. Their assistance includes Incident response to eligible entities that request its assistance.

▶ Federal Resources

- **US Secret Service Electronic Crimes Task Force**
  secretservice.gov * Cleveland ECTF 216-750-2058 | Cincinnati ECTF 513-684-3585
  Local Field Offices secretservice.gov/contact
- **Federal Bureau of Investigation Cyber Task Forces**
  fbi.gov/field-offices * Cleveland Office 216-522-1400 | Cincinnati Office 513-421-4310
- **Internet Crime Complaint Center**
  The FBI combats financial crimes targeting seniors through the Internet Crime Complaint Center (IC3), where elder fraud can be reported.
- **The Cybersecurity and Infrastructure Security Agency (CISA),** under the Department of Homeland Security (DHS), provides resources through various programs, including the Regional Cybersecurity Advisor (CSA) program. CISA's work is supported by personnel in its 10 regional offices. Ohioans can contact the Region 05 office to connect with a CSA for cybersecurity-related support.
- **The Multi-State Information Sharing and Analysis Center (MS-ISAC)** is a resource dedicated to improving the overall cybersecurity posture of the United States' state, local, tribal, and territorial (SLTT) governments via membership. It Provides updates on emerging cyber threats through daily e-mail alerts.

**OHIO CYBER
RANGE INSTITUTE**
POWERED BY UNIVERSITY OF CINCINNATI

Ohio Cyber Range Institute
3080 Exploration Avenue
Cincinnati, OH 45206-0639

Email: opciprogram@uc.edu
Phone: 513-556-8138
Web: ohiocyberrangeinstitute.org

Page 4

Ohio Cybersecurity Resources Guide

▶ **Federal Resources**

- **E-ISAC** (Electricity Information Sharing and Analysis Center) offers membership to North American electric and natural gas industry asset owners and operators. Physical and cyber security professionals at these organizations will especially benefit from joining the E-ISAC.

- **Information Sharing and Analysis Organizations (ISAOs)** support information sharing between organizations including those beyond traditional critical infrastructure sectors, to better respond to cyber risk in close to real time as possible.

- **Elections Infrastructure Information Sharing & Analysis Center (EI-ISAC)** works closely with election officials and security and technology personnel to provide the highest standards of election security, including incident response and remediation through our team of cyber experts.

Grants and Financial Assistance

▶ **State of Ohio Resources**

- **Local Government Grant Program** provides grant funding to assist local government entities in migrating to a (.gov) internet domain so all local government websites and email addresses can be more confidently recognized as genuine government information.

- **CyberOhio** also facilitates access to other federal and local grants for cybersecurity.

- **The Ohio Secretary of State** has instructed county boards of elections to enhance security through a series of cybersecurity directives, supported by grants aimed at improving election security and accessibility, covering IT needs such as cybersecurity liaisons, network intrusion detection, security information and event management logging, endpoint detection and response solutions, and malicious domain blocking.

Collaboration and Best Practices

▶ **State of Ohio Resources**

- **Ohio Department of Higher Education (ODHE)** facilitate access to OARnet which is an integral part of the Ohio Technology Consortium (OH-TECH) and ODHE is dedicated to delivering technology solutions that reduce costs, enhance productivity, and improve customer service for Ohio's education, health care, public broadcasting, and government communities.

OHIO CYBER RANGE INSTITUTE
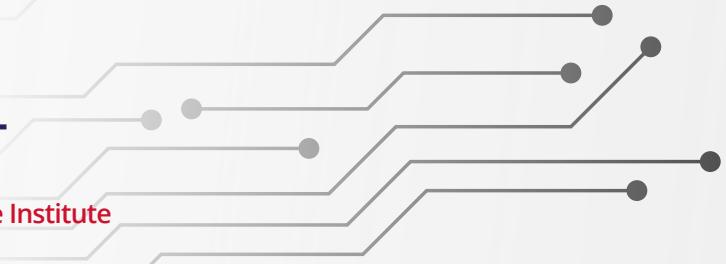POWERED BY UNIVERSITY OF CINCINNATI

Ohio Cyber Range Institute
3080 Exploration Avenue
Cincinnati, OH 45206-0639

Email: opciprogram@uc.edu
Phone: 513-556-8138
Web: ohiocyberrangeinstitute.org

Page 5

Ohio Cybersecurity Resources Guide

Collaboration and Best Practices

▶ State of Ohio Resources

- *__The Northeast Ohio Cyber Consortium (NEOCC)__ is a collaborative initiative that enhances cybersecurity resilience across industries in Northeast Ohio by building a trusted network of organizations to protect assets, create safer communities, and advance technology leadership, offering peer-led best practices programs in areas like risk, privacy, and security education.

▶ Federal Resources

- __The National Security Agency (NSA)__ offers cybersecurity services including the Cybersecurity Collaboration Center to promote public-private partnerships to enhance cybersecurity outcomes.
- __The National Cyber Watch Center__ is a consortium of public and private organizations that work together to improve cybersecurity education and strengthen the national cybersecurity workforce.
- *__InfraGard__ is a partnership between the FBI and members of the private sector for protection of critical infrastructural, using a web portal and chapters across the country to provide for public-private collaboration, timely information exchange and mutual learning opportunity.

Cybersecurity Tools and Resources

▶ State of Ohio Resources

- __Ohio Cyber Collaboration Committee (OC3)__, maintains a dedicated Cyber news blog with updates on incidents, law enforcement actions, security alerts, and more. OC3 provides access to the SecuLore Cybersecurity Solutions archive, a resource for monitoring cyber-attacks on critical infrastructure since 2021. OC3 offers the CyberSeek Cybersecurity Supply/Demand Heat Map, a tool with insights into the cybersecurity workforce landscape, including data on job supply and demand. Finally, facilitating access to Scam Spotter site and is designed to help individuals detect and avoid scams.
- __The Ohio Auditor of State__ has cybersecurity resources available for Ohio's local governments.
- __The Ohio Department of Administrative Services__ offers a list of Ohio laws that are related to technology use, the internet, cybersecurity, and incident response.
- __Ohio Homeland Security__ has the Ohio Cyber Integration Center (OCIC), whose core mission revolves around coordinating incident response activities across Ohio..

OHIO CYBER RANGE INSTITUTE
POWERED BY UNIVERSITY OF CINCINNATI

Ohio Cyber Range Institute
3080 Exploration Avenue
Cincinnati, OH 45206-0639

Email: opciprogram@uc.edu
Phone: 513-556-8138
Web: ohiocyberrangeinstitute.org

Page 6

Ohio Cybersecurity Resources Guide

Cybersecurity Tools and Resources

▶ **Federal Resources**

- **The Federal Bureau of Investigation (FBI)** provides cybersecurity support by sharing updated intelligence on cyber incidents, including threats, vulnerabilities, and attack methods, with federal, state, and local law enforcement agencies, private sector partners, and international allies.

- **The Cybersecurity and Infrastructure Security Agency (CISA)**, under the Department of Homeland Security (DHS), provides services to build cybersecurity infrastructure, including access control policies, account management, AdBlock tools, Wi-Fi security assessment tools like Aircrack-ng, threat intelligence from Alien Labs Open Threat Exchange (OTX), and anti-phishing training support. In addition, it provides resources through various programs, including Cyber Hygiene Services, which aim to secure internet-facing systems from weak configurations and known vulnerabilities.

  Organizations can enroll and request these services by emailing CISA. CISA facilitate access to the Infrastructure Survey Tool (IST), a voluntary, web-based assessment designed to evaluate and enhance the security and resilience of facilities. The IST assesses physical security, security management, information sharing, and preparedness-related dependencies, offering secure dashboard results, detailed reports, and mitigation options. Facility owners can request IST services directly from CISA. Finally, it provides resources through various programs, including the Cybersecurity Performance Goal (CPG) Assessment. CISA's CPGs are a set of practices that all organizations should implement to initiate their cybersecurity efforts.

- **The National Institute of Standards and Technology (NIST)**, a part of the U.S. Department of Commerce, offers resources that include publications across fields of science and technology, such as Cybersecurity Guidelines, Technical Specifications, and Recommendations for Information Security.

- **The National Security Agency (NSA)** offers a range of Cybersecurity Products & Services, offering guidance, best practices, information sharing, encryption standards, tools, and insights into threat intelligence and assessments.

- **United States Secret Service** investigates cybercrimes and offers support through the Cyber Incident Response Planning Guides that help organizations prepare for, prevent, and respond to cyber attacks. The United States Secret Service contributes to Stop Ransomware campaign, offering resources related to mitigating and responding to ransomware attacks.

**OHIO CYBER
RANGE INSTITUTE**
POWERED BY UNIVERSITY OF CINCINNATI

Ohio Cyber Range Institute
3080 Exploration Avenue
Cincinnati, OH 45206-0639

Email: opciprogram@uc.edu
Phone: 513-556-8138
Web: ohiocyberrangeinstitute.org

Page 7

Ohio Cybersecurity Resources Guide

Cybersecurity Tools and Resources

▶ **Federal Resources**

- **The Federal Emergency Management Agency (FEMA)** assists in preparing the communities to deliver critical services under a cyberattack within the National Continuity Program.

▶ **Nonprofit –Resources**

- *****Information Systems Security Association (ISSA)** is a nonprofit promoting effective cybersecurity services.

Research and Development

▶ **State of Ohio Resources**

- **Ohio Cyber Range Institute (OCRI)** offers research opportunities to support economic development, such as investments in infrastructure, technology, education to foster entrepreneurship and innovation.

▶ **Federal Resources**

- **The National Institute of Standards and Technology (NIST)**, a part of the U.S. Department of Commerce, enhances cybersecurity through research, development, and standardization services offered through NIST's laboratories and major programs across various fields.

Regulation and Compliance

▶ **State of Ohio Resources**

- **Ohio Cyber Collaboration Committee (OC3)**, led by the Ohio National Guard provides best practices for cybersecurity defense, including adaptation of NIST frameworks, securing home networks, identity and access management, online safety, strong password selection, MFA, and phishing prevention.

**OHIO CYBER
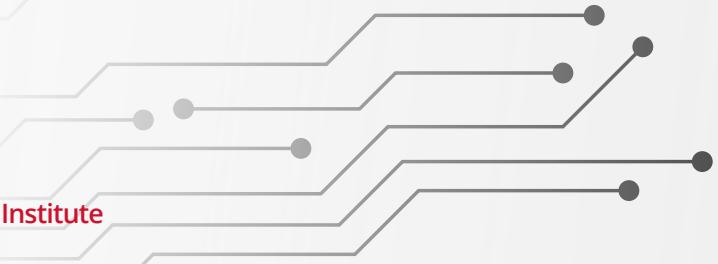RANGE INSTITUTE**
POWERED BY UNIVERSITY OF CINCINNATI

Ohio Cyber Range Institute
3080 Exploration Avenue
Cincinnati, OH 45206-0639

Email: opciprogram@uc.edu
Phone: 513-556-8138
Web: ohiocyberrangeinstitute.org

Page 8

Ohio Cybersecurity Resources Guide

Regulation and Compliance

▶ **Federal Resources**

- **The National Institute of Standards and Technology (NIST)**, a part of the U.S. Department of Commerce, enhances cybersecurity through <u>essential cybersecurity frameworks</u>, highlighted by the recent update of its landmark Cybersecurity Framework (CSF) to version 2.0, which emphasizes governance and supply chain security and offers expanded guidance and resources for organizations globally. NIST), offers guidance to help <u>organizations assess risk and comply with regulatory requirements</u>, including mappings to globally recognized standards. NIST facilitates access to the <u>National Voluntary Laboratory Accreditation Program</u> (NVLAP), which provides accreditation services based on requests and demonstrated needs from private sector entities or government agencies.

- **The National Security Agency (NSA)** offers cybersecurity services including information on the <u>post-quantum standardization effort</u>.

OHIO CYBER RANGE INSTITUTE
POWERED BY UNIVERSITY OF CINCINNATI

Ohio Cyber Range Institute
3080 Exploration Avenue
Cincinnati, OH 45206-0639

Email: opciprogram@uc.edu
Phone: 513-556-8138
Web: ohiocyberrangeinstitute.org

Page 9