Additional information and links to resources from the speakers and partners.

Welcome and Opening Keynotes

Create a culture of cybersecurity in the workplace and across communities.

Lt. Governor Kim Driscoll
Secretary Jason Snyder, Executive Office of Technology Services and Security
Deputy Secretary Susan Terrey, Executive Office of Public Safety and Security
Senator Michael O. Moore, Senate Chair of the Joint Committee on
Advanced Information Technology, the Internet and Cybersecurity
Chairwoman Tricia Farley-Bouvier, House Chair of the Joint Committee on
Advanced Information Technology, the Internet and Cybersecurity
John Petrozzelli, Director, MassCyberCenter

Resources:

- **Commonwealth of Massachusetts** – Mass.gov
- **Mass.gov | Report a Cybersecurity Incident**
  - Municipalities may report suspicious activity and incidents to the Executive Office of Technology Services and Security (EOTSS) Security Operations Center (SOC), using the Incident Reporting System, by emailing **eotss-soc@mass.gov**; and
  - Report incidents to your local police department and request they notify the Commonwealth Fusion Center
  - More information and resources for reporting incidents can be found at: https://www.mass.gov/info-details/report-a-cybersecurity-incident
- **Joint Committee on Advanced Information Technology, the Internet and Cybersecurity** – https://malegislature.gov/Committees/Detail/J33/About
- **MassCyberCenter** – MassCyberCenter.org
  - Cybersecurity Month and Be a Cybersecurity Hero Campaign.
  - Minimum Baseline of Cybersecurity: https://masscybercenter.org/cyber-resilient-massachusetts/minimum-baseline-cybersecurity-municipalities
- **State and Local Cybersecurity Grant Program** – https://www.mass.gov/info-details/state-and-local-cybersecurity-grant-program

Defending Sensitive Public Sector Data: Spotlight on Ransomware

Dave Balcar, Security Specialist, VMware

Organizations are tasked with defending against attackers 24/7/365. With the broadened attack surface and evolving entry points, organizations must ensure endpoints are secure. Since more than half of the ransomware encounters in the last 12 months involved double-extortion techniques, it's imperative to know the types of cybercriminals you are battling. Can you adapt your defenses as quickly as attackers find new ways to exploit them? How do you defend against attackers who never take a break?

Resources:

- **VMware vEXPERT Dave Balcar** – https://vexpert.vmware.com/directory/5858

Cyber Threats to Massachusetts Municipalities

Sergeant Detective Tim Laham, Boston Police Department & U.S. Secret Service
Joe Flores, Cybersecurity Advisor, DHS Cybersecurity & Infrastructure Security Agency (CISA) Region 1
Lieutenant Detective Brian Gavioli, Commonwealth Fusion Center
Randy Rose, Senior Director of Security Operations & Intelligence, Center for Internet Security/MS-ISAC, *Moderator*

Members of this panel shared insights into the latest cyber threats facing the nation and Massachusetts, and the potential impact of these threats on Commonwealth municipalities.

Resources:

- **Cybersecurity and Infrastructure Security Agency** – CISA.gov
  - STOP RANSOMWARE - https://www.cisa.gov/stopransomware
  - Cyber Hygiene Services - https://www.cisa.gov/cyber-hygiene-services
  - Election Infrastructure Security - https://www.cisa.gov/election-security
- **Commonwealth Fusion Center** - https://www.mass.gov/info-details/overview-of-the-department-of-state-polices-commonwealth-fusion-center
- **Multi-State Information Sharing and Analysis Center (MS-ISAC)** - https://www.cisecurity.org/ms-isac/

Securing the Technology Environment and Best Practices

Secretary Jason Snyder, Executive Office of Technology Services and Security;
Chief Information Officer, Commonwealth of Massachusetts
Colby Cousens, Director of IT, Town of Danvers; Co-founder, North Shore IT Collaborative
Scott Range, Law Enforcement Advisor, Executive Office of Public Safety and Security
Peter Sherlock, Chief Executive Officer, CyberTrust Massachusetts
John Petrozzelli, Director, MassCyberCenter, *Moderator*

Massachusetts cybersecurity is evolving to better meet the needs of municipalities and help them protect their community. This panel discussed the latest Commonwealth initiatives for helping municipalities secure their environments and developing the municipal cybersecurity workforce.

Resources:

- **CyberTrust Massachusetts** – https://www.cybertrustmass.org/
- **Executive Office of Technology Services and Security (EOTSS)**: mass.gov/orgs/executive-office-of-technology-services-and-security
- **MassCyberCenter** – MassCyberCenter.org
- **Town of Danvers** - https://www.DanversMa.gov/
- **CISA | State and Local Cybersecurity Grant Program** - https://www.cisa.gov/cybergrants

Cyber Incident Response Planning – What Municipalities Need to Know

Sergeant Ed Keefe, Commonwealth Fusion Center | MA State Police
Susan Noyes, Director, EOTSS Office of Municipal and School Technology
Meg Speranza, Resiliency Program Manager, MassCyberCenter, *Moderator*

The best way to address the risk of a cyberattack is through planning and readiness. This panel laid out what details should be in a Cyber Incident Response Plan and where to find resources to help create the plan. A brief tabletop exercise was included to help facilitate discussion.

Resources:

- **Commonwealth Fusion Center** - https://www.mass.gov/info-details/overview-of-the-department-of-state-polices-commonwealth-fusion-center
- **Community Compact Cabinet** - https://www.mass.gov/orgs/community-compact-cabinet
- **Contract User Guide for ITS78: Statewide Contract for Data, Cybersecurity, and Related Audit, Compliance, and Incident Responses Services | OSD** - https://www.mass.gov/doc/its78/download
- **Office of Municipal and School Technology | EOTSS** - https://www.mass.gov/orgs/office-of-municipal-and-school-technology
- **MassCyberCenter** - MassCyberCenter.org
  - Cyber Incident Response Planning Materials: https://masscybercenter.org/Response-Plan-Materials

Training & Workforce Development: Tools for Municipalities

Mike Hamel, Chief Information Officer, City of Worcester
Meghan Martinez. Cyber Range Director, CyberTrust Massachusetts
Suzanne Zarges, Municipal & School Technology Specialist,
EOTSS Office of Municipal and School Technology
Max Fathy, Ecosystem Program Manager, MassCyberCenter

In a world where cyber threats are evolving, it's increasingly more important to not only raise municipal employee cybersecurity awareness, but also attract, upskill, and retain cyber-trained employees. This panel discussed the municipal cybersecurity awareness training grant program and new cyber range programs at educational training centers across the Commonwealth that will provide municipalities with employee training opportunities.

Resources:

- **City of Worcester** - https://www.worcesterma.gov/
- **CyberTrust Massachusetts** – https://www.cybertrustmass.org/
- **MassCyberCenter** - MassCyberCenter.org
- **Municipal Cybersecurity Awareness Grant Program** – https://www.mass.gov/municipal-cybersecurity-awareness-grant-program

Summit Partners

PARTNERS ACROSS THE STATE

- **Executive Office of Technology Services and Security (EOTSS)**: mass.gov/orgs/executive-office-of-technology-services-and-security

  EOTSS's mission is to provide *secure* and quality digital information, ***services***, and tools to customers and constituents across the Commonwealth, when and where they need them.

- **Executive Office of Public Safety and Security (EOPSS)**: mass.gov/orgs/executive-office-of-public-safety-and-security

  EOPSS is responsible for crime prevention, homeland security preparedness, and ensuring the safety of residents and visitors in the Commonwealth.

- **MA Office of Grants and Research (OGR)**: mass.gov/orgs/office-of-grants-and-research

  OGR promotes public safety and security in Massachusetts communities through the management of grants funds and research.

- **MA Office of Municipal and School Technology (OMST)**: mass.gov/orgs/office-of-municipal-and-school-technology

  OMST's mission is to support local governments in serving their residents, students, and employees through the use of technology.

- **MA Operational Services Division (OSD)**: mass.gov/orgs/operational-services-division

  OSD is responsible for procurement services through the Commonwealth of Massachusetts and spearheaded the creation of *ITS78: Statewide Contract for Data, Cybersecurity, and Related Audit, Compliance, and Incident Responses Services*.

- **Massachusetts Broadband Institute (MBI):** broadband.masstech.org

  MBI's mission is to make affordable high-speed Internet available to all homes, businesses, schools, libraries, medical facilities, government offices, and other public places across the Commonwealth. MBI is administering state and federal broadband and digital equity funds to close the digital divide by increasing access to high-speed internet service, devices and digital literacy skills training.

- **Massachusetts Municipal Association (MMA) | Massachusetts Interlocal Insurance Agency (MIIA)**: mma.org/ and emiia.org

  The MMA's mission is to improve the effectiveness of local government in the Commonwealth. The MMA is a private, nonpartisan, nonprofit organization of cities and towns.

  MIIA functions as the administrator for the MIIA Property and Casualty Group Inc. and the MIIA Health Benefits Trust. The MIIA Property and Casualty Group Inc., formed in 1987, provides property and casualty coverage for cities, towns and other governmental entities in Massachusetts that are members of the MMA.

MassCyberCenter
at the MassTech Collaborative

Summit Partners (cont.)

FEDERAL PARTNERS

- **Cybersecurity and Infrastructure Security Agency (CISA)**: cisa.gov

  CISA's Vision is a secure and resilient critical infrastructure for the American people, and its Mission is to lead the national effort to understand and manage cyber and physical risk to our critical infrastructure.

    - Resources and guidance for State, Local, Tribal, and Territorial Governments: https://www.cisa.gov/
    - **CISA's Cyber Essentials**—a guide for leaders of small businesses and small and local government agencies to develop an actionable understanding of where to start implementing organizational cybersecurity practices: https://www.cisa.gov/cyber-essentials
    - **CISA STOP Ransomware:** https://www.cisa.gov/stopransomware
    - **CISA CYBERSECURITY AWARENESS PROGRAM** is a national public awareness campaign aimed at increasing the understanding of cyber threats and empowering the American public to be safer and more secure online: https://www.cisa.gov/cisa-cybersecurity-awareness-program

- **Federal Bureau of Investigation (FBI)**
    - **Internet Crime Complaint Center (IC3):** https://www.ic3.gov/
    - **FBI Incident Response Policy:** https://www.fbi.gov/file-repository/incident-response-policy.pdf/view
    - **FBI Fact Sheet** – When to report cyber incidents to the federal government, what and how to report, and types of federal incident response: https://www.fbi.gov/file-repository/cyber-incident-reporting-united-message-final.pdf/view

- **Multi State Information Sharing and Analysis Center (MS-ISAC) and the Center for Internet Security**

  The mission of the MS-ISAC is to improve the overall cybersecurity posture of U.S. State, Local, Tribal, and Territorial (SLTT) government organizations through coordination, collaboration, cooperation, and increased communication. *Membership is free for municipalities*: https://www.cisecurity.org/ms-isac/

  Sign up for MS-ISAC Alerts and Advisories to receive important cybersecurity information, on a regular basis, about threats that may impact state, local, tribal, and territorial government, plus valuable tools, resources, and services.

- **National Institute of Standards and Technology (NIST)**
  https://www.nist.gov/
  In particular, the **Computer Security Resource Center (CSRC)** (http://csrc.nist.gov) holds a collection of papers that describe security best practices, called NIST Special Publications. They also create security assessment tools.

MassCyberCenter
at the MassTech Collaborative

Summit Partners (cont.)

CYBERSECURITY Training, Education, & Services PARTNERS

The MassCyberCenter is supporting the launch of statewide programs to promote the development of a diverse cybersecurity workforce and improve local cyber resiliency in the Commonwealth through the establishment of Security Operations Centers (SOCs) and Cyber Ranges at colleges and universities.

To find out more about this initiative, go to https://masscybercenter.org/commonwealth-soc-range-initiative.

- **CyberTrust Massachusetts**: cybertrustmass.org

  CyberTrust Massachusetts is a non-profit committed to building opportunity and security through a consortium of statewide businesses and colleges and providing local governments, non-profits, and small businesses with affordable cybersecurity services to manage their defenses and combat growing cyber threats.

- **Bay Path University**: baypath.edu

  A CyberTrust Massachusetts Higher Education Partner

  Bay Path University is an NSA-approved Center of Academic Excellence in Cybersecurity

- **Bridgewater State University**: bridgew.edu

  A CyberTrust Massachusetts Higher Education Partner

  Bridgewater State University is a leader in cybersecurity education with state-of-the-art facilities and faculty who are top cyber experts. A Cyber Range is opening in Fall 2023, and the Security Operations Center (SOC) will open later this year.

  https://www.bridgew.edu/about-us/news-events/Press-Release-03-02-2023-Bridgewater-State-University-launches-first-of-kind-cybersecurity-program-in-Massachusetts

- **Cambridge College**: cambridgecollege.edu

  A CyberTrust Massachusetts Higher Education Partner

  Cambridge College focuses training for municipalities on security (cloud/wireless). Best practices include securing cloud data, along with protecting BYOD devices in the work environment, using their cyber range, along with tabletop exercises.

- **Elms College**: elms.edu

  A CyberTrust Massachusetts Higher Education Partner

  Cybersecurity is one of the fastest growing job markets within IT, and knowledge of this area is relevant in most IT jobs. Elms College, located in Chicopee, offers a minor in Cyber Security and Digital Forensics that is designed to meet the growing need of preventing and detecting crimes involving computational devices in our digital age.

- **MassBay Community College**: massbay.edu

  A CyberTrust Massachusetts Higher Education Partner

  MassBay has responded to the growing regional and national need for well-trained cybersecurity professionals by creating a Center for Cybersecurity Education. The Center is built around MassBay's Cybersecurity programs (certificates and the first A.S. degree in MA) which align with national frameworks and educational guidelines.

- **Per Scholas**: perscholas.org

  A CyberTrust Massachusetts Higher Education Partner

  Per Scholas envisions a technology workforce as diverse as the customers it serves. More than 20,000 graduates have launched successful careers in tech to date through our no-cost programs.

- **Salem State University**: salemstate.edu

- **Springfield Technical Community College**: stcc.edu

  A CyberTrust Massachusetts Higher Education Partner

  https://www.stcc.edu/about-stcc/news/stcc-secures-funding-for-cybersecurity-center-at-springfields-union-station.html

MassCyberCenter at the MassTech Collaborative