

Latest Trends in Cyber Security for 2023

Amherst Security Group

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Microsoft MVP – Developer Security 2005-2009, 2015-2023

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Latest Trends (January, 2023)

Work

- Covid-19 pandemic since early 2020 – still impacting industry
- More returning to offices, many staying home
- Economic Recession? Microsoft, Facebook, Apple, Amazon, Twitter, etc. laying off 1000s of employees

Latest Trends (January, 2023)

Cyber Security

- Internet of Things (IoT) – labeling devices
- Cloud Security – increased dependency, spending
- Zero Trust Adoption – increased spending
- SaaS security solutions – Security as a Service (SECaaS): data protection, identity, access management, web application firewalls (WAF), mobile device security, managed / monitoring services

Latest Trends (January, 2023)

Cyber Security, continued

- Security for Remote and Hybrid Workers-
Multi-Factor Authentication (MFA), etc.
- Artificial Intelligence (AI) / Deep Learning
/ Machine Learning – ChatGPT (OpenAI),
etc.
- Protection against / remediation for
Supply Chain Attacks, IoT Attacks, and
Ransomware
- Security-aware Culture

Latest Trends (January, 2023)

Application Security

- Cloud Security + Application Security
- Tighter Security around Open-Source Software
- Code Factory Attack Surface will keep expanding
- Secure Software Compliance and SBOM
- Smarter Prioritization through Security Issue Context
- Culture Change: Executive Demand for Application Release Governance (Security Champions, Shift Left)

References

- “US to launch ‘labeling’ rating program for internet-connected devices in 2023”
 - <https://techcrunch.com/2022/10/19/us-cyber-label-routers-smart-speakers/>
- “10 Cybersecurity Trends for 2023”
 - <https://builtin.com/cybersecurity/cybersecurity-trends-for-2023>
- “7 Cybersecurity Trends for 2023 to Watch Out For”
 - <https://www.dice.com/career-advice/7-cybersecurity-trends-for-2023-to-watch-out-for>
- “The Top Five Cybersecurity Trends in 2023”
 - <https://www.forbes.com/sites/bernardmarr/2022/11/11/the-top-five-cybersecurity-trends-in-2023>
- 2023 Predictions for Modern Application Security
 - <https://securityboulevard.com/2023/01/2023-predictions-for-modern-application-security/>

New Cyber Security Center in Springfield, MA

“Funding announced for new cyber security center in Springfield”, Jan 17, 2023

<https://www.westernmassnews.com/2023/01/17/funding-announced-new-cyber-security-center-springfield/>

“Union Station will become the site for a new \$5 million cyber security center.

The money will go towards the construction of classrooms and a security operations center. It will also recruit the help of local colleges to have their students study, train, and work at the cyber security center. Neal told Western Mass News that the goal is to prepare the next generation for the cyber security challenges they will face.”

Questions?



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