

CONVERSATION ON BOLSTERING UEFI CYBERSECURITY

UEFI Fall 2023 UEFI Developers Conference & Plugfest
Hillsboro, OR



CISA Mission Relevance

- CISA works with partners to defend against today's threats and collaborate to build a more secure and resilient infrastructure for the future
- We lead the national effort to understand, manage, and reduce risk to our cyber and physical infrastructure
- CISA has a broad Secure By Design initiative
<https://www.cisa.gov/securebydesign>



Secure by Design

- Secure by Design products are those where the security of the customers is a core business requirement, not just a technical feature
- Secure by Design principles should be implemented during the design phase of a product's development lifecycle
- CISA, the Federal Bureau of Investigation (FBI), the National Security Agency (NSA), and the cybersecurity authorities of Australia, Canada, United Kingdom, Germany, Netherlands, and New Zealand jointly developed [Shifting the Balance of Cybersecurity Risk: Principles and Approaches for Security-by-Design and -Default](#)



Three Principles of Secure by Design

- The burden of security should not fall solely on the customer
- Embrace radical transparency and accountability
- Build organizational structure and leadership to achieve these goals



CISA's attention to UEFI

“As we evolve our responses to UEFI incidents and strengthen secure by design in the UEFI community, we should strive to create an environment where the threat from the adversary targeting UEFI is significantly reduced.

The path to success involves multiple supply-chain stakeholders maturing their PSIRT (Product Security Incident Response Team) operations with a focus on timely vulnerability management, disclosure, and response.”

<https://www.cisa.gov/news-events/news/call-action-bolster-uefi-cybersecurity-now>



Conversation

- This interaction should be a dialogue, not a lecture
- There are various places the UEFI community is investing in security
- How can we make sure that effort is sustained, targeted for best outcomes, and scaled up appropriately as threats change?





For more information:
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