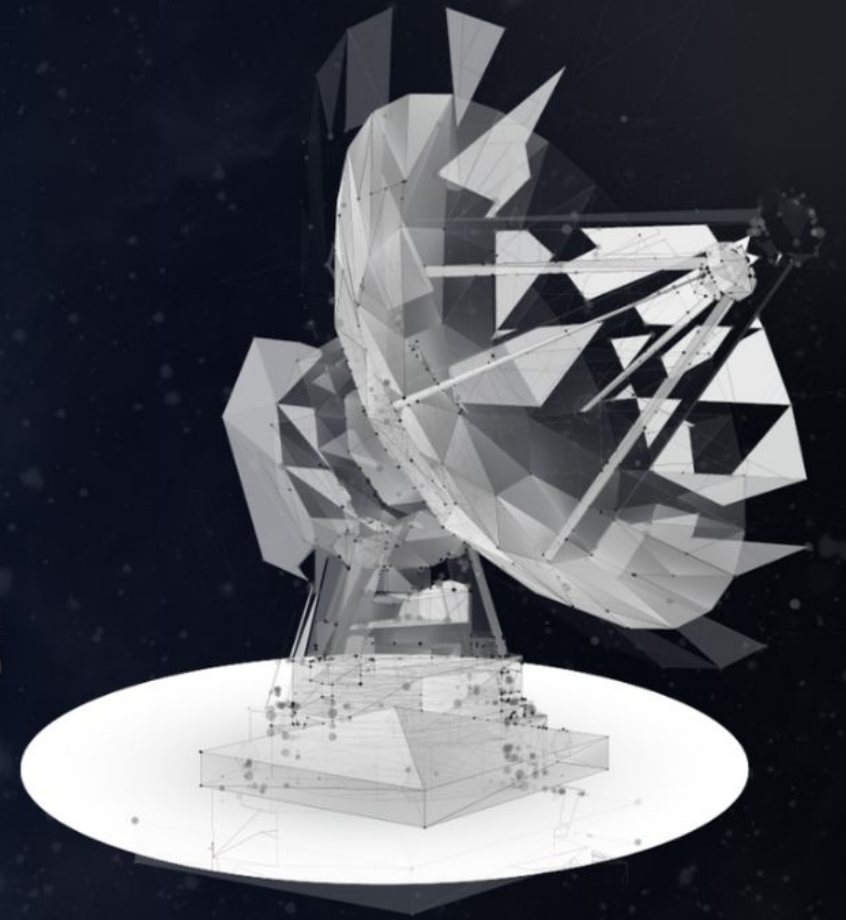RUNSAFE
SECURITY

LIVE FIRESIDE CHAT

Beyond Earth's Atmosphere:
Navigating Regulations & Security in Space

Joe Saunders
Founder and CEO
RunSafe Security

Sam Visner
Technical Fellow,
Aerospace Corporation and Chair,
Board of Directors,
Space ISAC

RunSafe Security Platform

Automated software supply chain protection platform for embedded software

IDENTIFY RISK

in your software composition across your software supply chain leveraging build time SBOMs

PROTECT CODE

from memory-based attacks without rewriting a single line of code

MONITOR SOFTWARE

at runtime identifying code quality issues and indicators of compromise

We identify, protect, and monitor embedded software so you can prevent 100% of memory based exploitations.

By 2030

- **25,000** satellites will be launched carrying

- **500,000** petabytes of data

- **5** agencies (DHS, NASA, DOD, USAF, SPACE Force) are initiating programs to protect space assets essential to all domains

https://www.forbes.com/sites/chuckbrooks/2024/04/09/cyber-securing-space-systems-a-growing-global-concern/

"With a growth rate of the space economy double that of our national economy, with space comprising an ever larger component of our economy, we are both more dependent on space, and because we have not addressed the entirety of our security needs, we are facing increased vulnerabilities."

Sam Visner
Technical Fellow,
Aerospace Corporation and Chair,
Board of Directors,
Space ISAC

Webinar Highlights
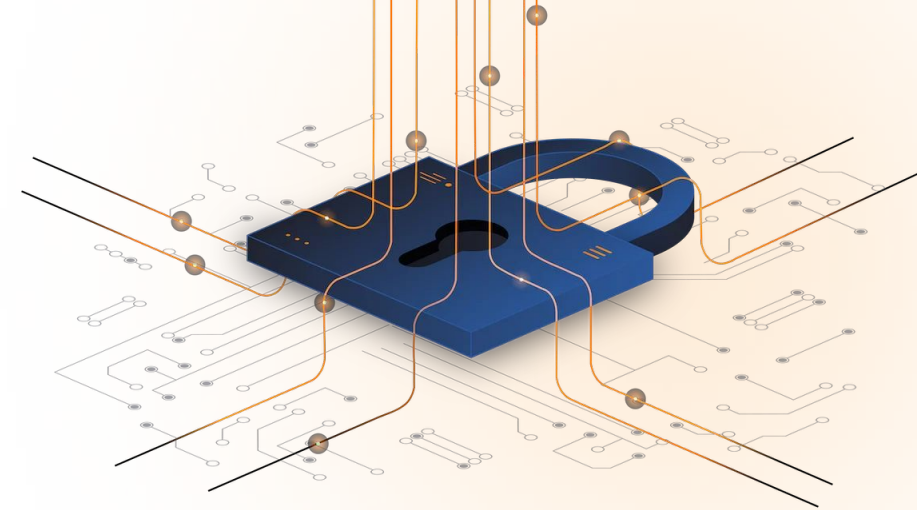
- Space systems are critical to national security, the economy, and global leadership, making them a prime target for adversaries.

- Cyber threats to space assets include attacks on ground stations, on-orbit interference, potential ransomware attacks targeting space systems, and supply chain vulnerabilities.

- Securing space systems poses unique challenges due to constraints on size, weight, power, and cost (SWAP-C), requiring innovative approaches to incorporate cybersecurity.

- Collaboration between industry, government, and academia is essential to develop standards, share threat intelligence, and implement effective security measures across the diverse space ecosystem.

- While progress is being made, there are calls for space systems to be designated as critical infrastructure with a coordinated federal strategy and authority to drive comprehensive cybersecurity.

Additional Resources

- **RunSafe CTO Discusses the Spacecraft Cybersecurity Act on the Federal News Network The Space Hour podcast**

- **Solution: Protecting Mission-Critical Systems Against Memory-Based Cyber Attacks**

- **Video: How does Load-time Function Randomization (LFR) technology strengthen system security while maintaining near-zero runtime impact?**

Give RunSafe Security Platform a try

Generate a free SBOM and receive a report that quantifies the potential attack surface reduction.

RUNSAFE SECURITY

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