CYBERSECURITY RISKS TO LARGE SCALE PROJECTS
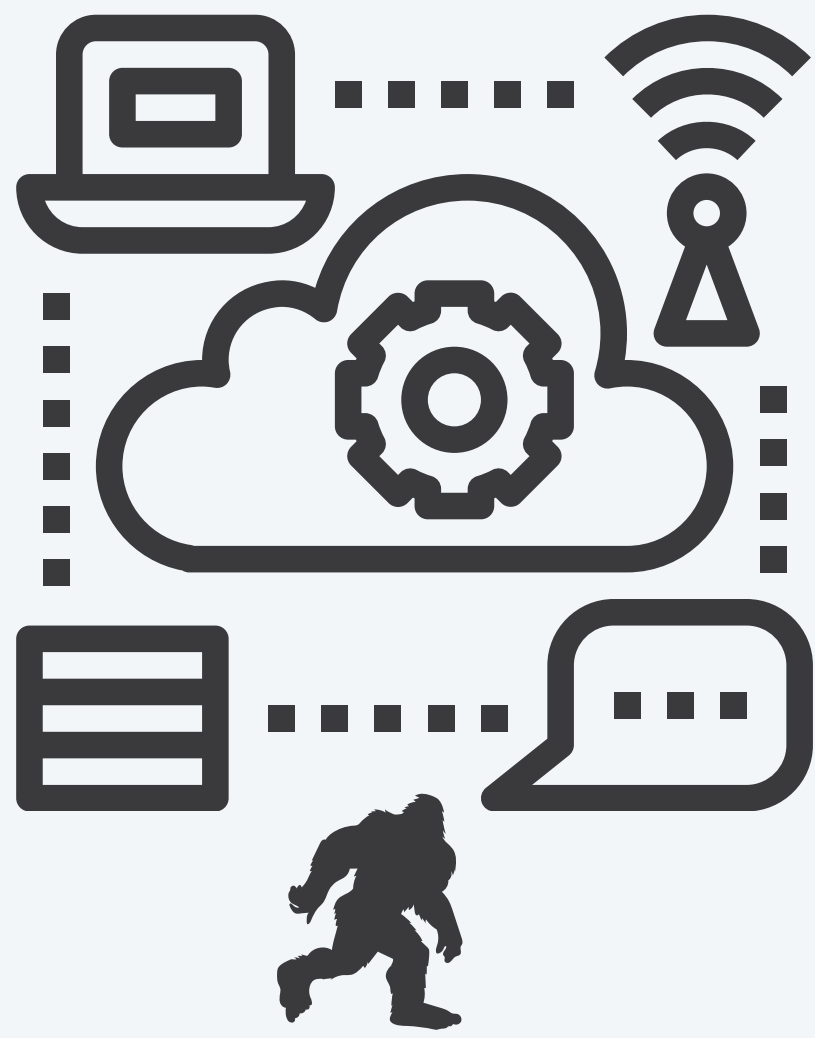
TRUSTED CI
THE NSF CYBERSECURITY CENTER OF EXCELLENCE

An overview of real risks through the lens of a light-hearted fictional science project called sasqWATCH. See how Trusted CI's Secure By Design team can assist your science project.

sasqWATCH Mission

To collect evidence worldwide as to the existence or non-existence of the Sasqwatch and other Cryptids.

sasqWATCH Core operational functions

- Maintain sensor arrays including video cameras, microphones, and other custom technology
- Operate a data warehouse, hosted at UC Sunnydale
- Analyze data and publish papers to raise awareness of cryptids

sasqWATCH Cybersecurity Risks

- Aging technology that is no longer supported
- Downtime of instruments during once-in-a-generation sighting event
- Leaked or manipulated data impacting sasqWatch's reputation
- A compromise revealing location of sensors
- Data loss resulting in loss of years of research
- Difficulty of securely sharing insights with worldwide collaborators
- Supply chain risks with new, hard-to-find technology

How Trusted CI Can Help

- **We are funded to support NSF facilities and projects**
- Trusted CI Operational Technology Vendor Procurement Matrix - to assist communications with vendors about security
  - https://doi.org/k8wf
- Trusted CI Framework - a holistic and mission-focused standard for managing cybersecurity
  - https://doi.org/mk5h

Next Steps

- It's never too early to begin engaging with Trusted CI
- Secure by Design team is looking for new risks to operational technology, and mitigations to risks
- Trusted CI's Ambassadors program continues to support the cybersecurity needs of Major Facilities
- Join us at the NSF Cybersecurity Summit - Pittsburgh, Oct. 7-10

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