IN SPACE, SECURITY CAN NO LONGER BE BASED ON TRUST

SPIDEROAK

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The biggest threat to US space capability is not foreign adversaries—it is a potential attack on the networks that keep us connected. Unfortunately, many satellites were designed in an era when cyber threats were not such a concern. The Pentagon's traditional method of defining program-specific requirements, redirecting budgets, and embarking on a five-year development trek is slowly catching up but SpiderOak's OrbitSecure can accelerate this by meeting urgent mission needs for new capabilities as well as retrofitting existing systems which SpiderOak recently proved on-orbit.

SECURE & TRUSTED SPACE ORCHESTRATION

OBJECTIVE

SpiderOak will implement a crypto-graphically enforced, zero trust solution to provide mission resiliency across the network of an orchestrated multi-orbit space architecture.

- Prove end-to-end encrypted sat-to-sat comms with low latency with fully decentralized software solution.
- Maintain authority over disparate mission critical systems using dynamic key management.
- Demonstrate linking systems between different constellations and orbits via decentralized message broker.

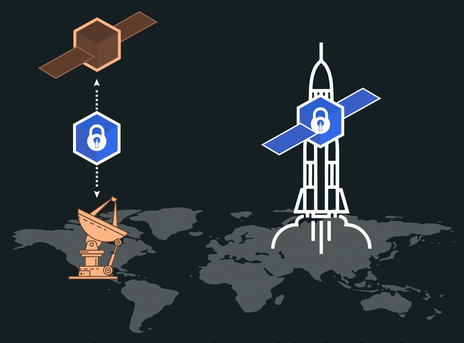
ORBITSECURE
ZERO–TRUST SECURITY FOR NEW SPACE

APPROACH: HOW IS ORBITSECURE UNIQUE?

Fully Resilient

Decentralized + asynchronous solution required for space domain

Software Defined



Agile + reconfigurable for both existing and new missions

Small Footprint

COTS software installed everywhere from ground to orbit

BOTTOM LINE

OrbitSecure allows your mission to orchestrate and secure earth to orbit transmission, communication, and storage of sensitive data across even the most complex and unsecure hybrid space environments.