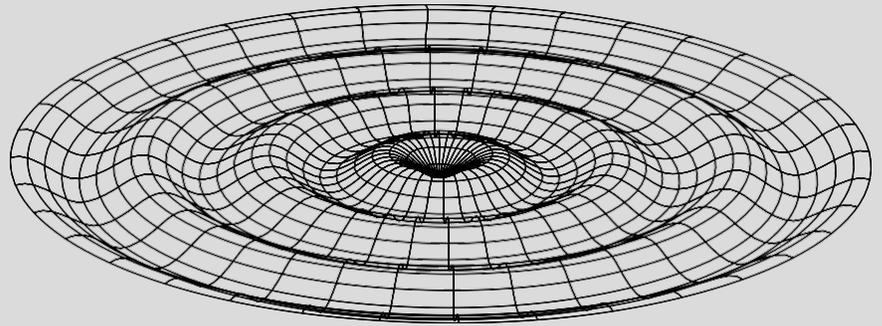


Resilient and Effective Space Capabilities

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To help ensure U.S. space capabilities are maximally resilient, effective, and available to the warfighter, Palantir software enables analysts, warfighters, and decision-makers alike to optimize the entirety of the space architecture by helping deliver cutting-edge, adaptable software solutions and architectures, from the ground to the edge, powering greater agility to respond to changing objectives and needs.

SUPPORT FOR CRITICAL SPACE PRIORITIES

Space C2: Effective Space Command and Control (C2) requires commanders and operators at every echelon to have access to the right data, in the right place, at the right time. The data required for Space C2 is currently sourced from both modernized and legacy systems, and data scale is increasing from proliferating platforms, sensors, analysis, and AI-driven capabilities. Palantir enables modernized command and control by rapidly synchronizing enterprise data across existing network pathways and across classification levels, and by giving users the tools needed to effectively leverage that data for operational decision-making.

Operational AI/ML: Increasing the resilience and speed of collection-to-operator pathways demands ISR software capabilities that support distributed and optimized compute for mission assurance. Leveraging commercial on-orbit capabilities to augment exquisite Government capabilities will also rapidly and more efficiently serve tactical users and their expansive multi-INT collection needs. To support these objectives, Palantir software unifies multi-source ISR data across national and commercial systems, delivers streamlined interfaces, and enhances AI/ML model development and application to enable warfighters to make the best-informed decisions, faster.

Missile Warning & Missile Defense: While there are many component capabilities that currently address aspects of the missile threat, deterring and countering a wide range of heterogeneous fast- and slow-moving threats, from ballistic missiles to hypersonics, requires combining these capabilities to forge an integrated, multi-orbit system that is more effective than the sum of its parts. By integrating, optimizing, and tasking existing Government capabilities — including hundreds of orbital sensors, terrestrial sensors, and AI models — Palantir software can enhance visibility into missile warning and defense.

Space Data Transport: Leveraging a hybrid space architecture will create the potential for ubiquitous capabilities to be provided to warfighters, but orchestrating and exploiting commercial and Government space sensor and communications capabilities poses a significant challenge. Palantir software algorithmically orchestrates across heterogeneous space-based platforms, pairing AI/ML models with assets to support autonomous data routing, reducing latency, and enabling path diversity while accounting for mission factors like disruption tolerance and environmental constraints.

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Integration of any data, from any source, across classification levels -> Palantir provides a common data backbone to power a range of mission sets. Palantir rapidly fuses high scale data from a variety of assets — from high- and low-earth orbit satellites, terrestrial radar stations, overhead ISR, and additional intelligence collection means — to deliver shared operational understanding in near-real time. Palantir supports the growth of a compounding data asset by providing the tools to integrate any space enterprise data source system — regardless of scale, structure or schema — and tie these together in a central data fabric where user decisions themselves become data.

AI/ML-driven processing -> From the ground to the edge — including on-orbit — Palantir supports the application of AI/ML to accelerate the delivery of actionable data to the user. By deploying and hot-swapping AI/ML algorithms onboard space-based platforms, Palantir software can help sensing platforms adapt to evolving mission requirements, reduce data transport latencies and optimize bandwidth, and pre-process downlink to ground stations and users to only that of highest analytic value.

Optimized tasking orchestration -> Palantir enables all available assets — Government and Commercial — to be optimally leveraged based on mission particulars, while abstracting the complexity involved in pairing tasks with space-based assets away from the user so that they can focus on the mission. As constellations expand, Palantir can partner with both government and commercial satellite operators to automate the pairing of mission requirements with identified sensors and support tasking to achieve collaborative coverage planning. Palantir software applies AI/ML to help minimize user tasking lift; deconflict, sequence, and map sensors to discrete mission requirements in near real-time; and deliver actual insights from collection to users rather than just raw data. and users to only that of highest analytic value.

SWaP optimized -> Palantir software can be deployed in a range of form factors, depending on operational and hardware dependencies, and a range of environments, from cloud-based to on-premise at ground stations, to the sensing edge in orbit. We employ a scalable cloud infrastructure for real-time operations and continuous delivery, with diagnostics and monitoring for central platform management.

Open, modular, and interoperable -> These core tenets are baked into every layer of Palantir's open-API, microservice architecture, ensuring users can easily configure our solutions to interoperate with both existing investments and new tools and applications as the space domain evolves. Palantir ensures development activities take place on top of a scalable, connected data asset. Palantir's openness helps mitigate vendor lock-in and gives users maximum flexibility to leverage modeling and simulation capabilities inherent in our software as well as external capabilities to demonstrate SWaP, cost, and other trade-offs when testing new sensors, for example.

Security-first paradigm -> Palantir software has been extensively tested and received authorization to operate in some of the most sensitive data environments in the U.S. defense and intelligence communities. We apply granular user and role-based access controls to govern data protection across classification levels, while facilitating collaboration among U.S. agencies, foreign partners, and commercial mission partners, ensuring each user community has access to relevant operations data without sharing other classified or protected information. We protect our software deployments through encryption at the edge and ensuring security travels with data across every node of the hybrid space network.

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