Palantir

Palantir Readiness Solutions Suite

Asset Readiness — Case Studies

"Palantir provides a common picture at echelon of aircraft, aviator, and crew readiness through near-real time integrations of authoritative source systems"

Asset Accountability & Readiness at the U.S. Army



The Challenge

In 2018, the Army's senior leaders needed to address their most critical problem: readiness, or the availability and preparedness of any given Soldier, unit, or piece of equipment to support the requisite mission. Answering even seemingly simple questions related to readiness – i.e., "How many tanks are operational?" or "How many tank drivers are trained?" – was enormously complex, as the information was scattered across hundreds of data sources or on the desktops and in the minds of thousands of analysts, data engineers, and functional managers.

The Solution

Palantir now powers Army Vantage, a data ecosystem to augment decision-making across this million-person organization. To date, the platform has integrated more than 160 source systems and 30,000 data sets, many with millions of rows each. Data comes from across every business area and function within the Army — from finance, operations, personnel, and logistics data to complementary open-source and third-party data sources — to build a digital twin of the Army's operations and resources.

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Vantage enables collaborative force readiness — from senior leader-level decision support to suites of analyst capabilities. The Army now uses Palantir to manage force readiness — including its 65,000+ units, authorizations for over 1,500,000 pieces of equipment, and over 1,000,000 billets for personnel — all connected, updated, and changed daily. This ecosystem enables the Army to assess readiness in near real-time, without the manual intervention of dozens of analysts or the creation of stale PowerPoint decks.

Outcomes Enabled

→ **Aircraft and crew readiness metrics and forecasting**

Palantir provides a common picture at each echelon of aircraft, aviator, and crew readiness through near-real time integrations of authoritative source systems.

With this capability, Palantir has improved the visibility of aviation metrics at every echelon, and by doing so, improved the overall posture of the aviation domain within the Army. As part of this effort, Palantir juxtaposes flight hour and financial forecasts with the number of hours executed and dollars spent for aviation units to monitor whether there are needed resource adjustments.

→ **Self-serve metrics on asset readiness and availability**

Obtaining relevant records on a given asset previously required emailing requests to Commanders and other stakeholders around the organization and waiting days for responses. Even answering simple questions like whether a part was in stock at a unit could require significant and specialized manual effort.

Today, Palantir operates as a self-service solution for Commanders across the Army to access a richer, integrated view that gives them clear visibility into what they have, what they need, why they need it, and how they can fill that need. Now, Commanders can better understand their assets immediately and make more data-driven decisions at faster speeds.

→ **Unit readiness and real-time decision support**

Before Palantir, units like the 82nd Airborne Division spent an estimated 500+ hours each month to produce a one-time, monthly self-assessment of their readiness. This represents an untenable cost and time risk for a Global Response Force that needs to deploy anywhere in the world within 18 hours. The Division now has access to real-time readiness data through a unit-centric application that summarizes its personnel, equipment, and other related metrics.

Beyond situational awareness, Palantir enables users to view historical trends that help contextualize the current readiness situation and empower Commanders to make more informed, data-driven decisions at faster speeds.

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Vaccine Readiness and Administration for the Countermeasure Acceleration Group

- → 2,200+ Unique users across Federal agencies, jurisdictions, and private sector partners.
- → 198 applications configured with the platform
- → 11,000+ analyses and 1,600+ reports generated



The Challenge

The task of allocating, distributing, and monitoring the administration of the COVID-19 vaccine presented massive challenges in scope and complexity. This required the U.S. Government to manage vaccine availability and response readiness based on high-integrity, up-to-date data from across the nation.

The Solution

Since 2020, Palantir has supported several federal agencies, including HHS and the Centers for Disease Control and Prevention (CDC), with an end-to-end solution to manage the allocation, distribution, and monitoring of the COVID-19 vaccine across the country. Palantir integrated more than 6.5 terabytes of data from across more than 150 source datasets and systems, enabling the Government to:

- → Maintain a central picture of allocation, planning, distribution, delivery, inventory, and updates across the vaccine supply chain
- → Analyze and disseminate vaccine allocations in line with program / Federal & State policies
- → Allow jurisdictions to track their vaccine allocations, orders, & shipments, among other metrics

Outcomes Enabled

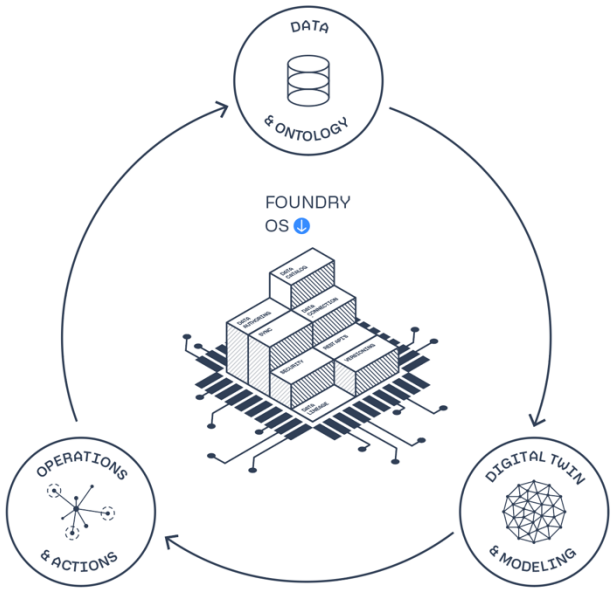
- → **Supports optimized vaccine distribution with high fidelity data and integrated tools for demand forecasting, scenario planning, and simulation.**

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Palantir includes walk-up usable operational interfaces to support decision-makers and analysts alike and provides end-to-end support for the proactive, data-driven management of the supply chain

→ **Enables inter-agency stakeholders to see how potential decisions would impact anticipated vaccine distribution, without special training or coding experience required**

Millions of administration records are integrated with more than 150 source datasets, which enables HHS, CDC, and other key users to analyze how changes in scope or deadlines impact anticipated distribution using all available data. Users in Palantir rapidly leverage enterprise data: in a few steps, the platform's user-configurable and data-backed applications enabled users to operationalize their data to make effective and informed decisions—all without writing a line of code or needing days of specialized training.



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