AFRL DATA MARKETPLACE

AFRL DIGITAL TRANSFORMATION FOUNDATIONAL CAPABILITIES

WHAT A DIGITALLY TRANSFORMED AFRL LOOKS LIKE

A Digitally Transformed AFRL optimally utilizes its people, processes, and data to design and execute its portfolio to enable the Department of the Air Force to deliver needed capabilities to the warfighter at the speed of relevance. The Digital Transformation Strategy features foundational capabilities that measurably accelerate the generation and transition of adoption-ready technology with demonstrable military benefit.

Enabling a Data-Informed Organization: Easily find, share, and use data across the AFRL

The AFRL Data Marketplace is an ecosystem designed to make AFRL data visible, accessible, understandable, linked, trusted, interoperable, and secure. The ecosystem will enable the secure flow of curated data across AFRL platforms, systems, and devices. The governance program will deliver standards that guide data movement and management from the point of generation across the entire lifecycle of a data set.

DELIVERABLES

- Ability to repeatably produce data pipelines to trusted sources
- Ability to exploit curated data from AFRL and other trusted sources
- Ability to discover AFRL data in the DELVE Marketplace
- Launch CDO Council, deliver standards for AFRL owned and operated systems, and publish data stewardship roles and responsibilities

BENEFITS TO CUSTOMER

- Faster Research: Researchers can leverage business, research, digital engineering, and MS&A data on demand
- Better Decisions: AFRL's data is discoverable and accessible at the time of need
- Streamlined Transitions: AFRL can leverage and share data across the DoD and DAF data fabrics
- Low Friction Business & Ops: Trusted, curated data for use in analysis and visualization

TECHNOLOGY CHALLENGES

- No AFRL-wide assignment and management of data ownership or stewardship
- Lack of data architecture, metadata, or ontology standards to enable effective contextual understanding and interoperability
- Lack of internal data exchange standards prohibits effective data sharing
- Aggregation of data can create or complicate classification and privacy issues