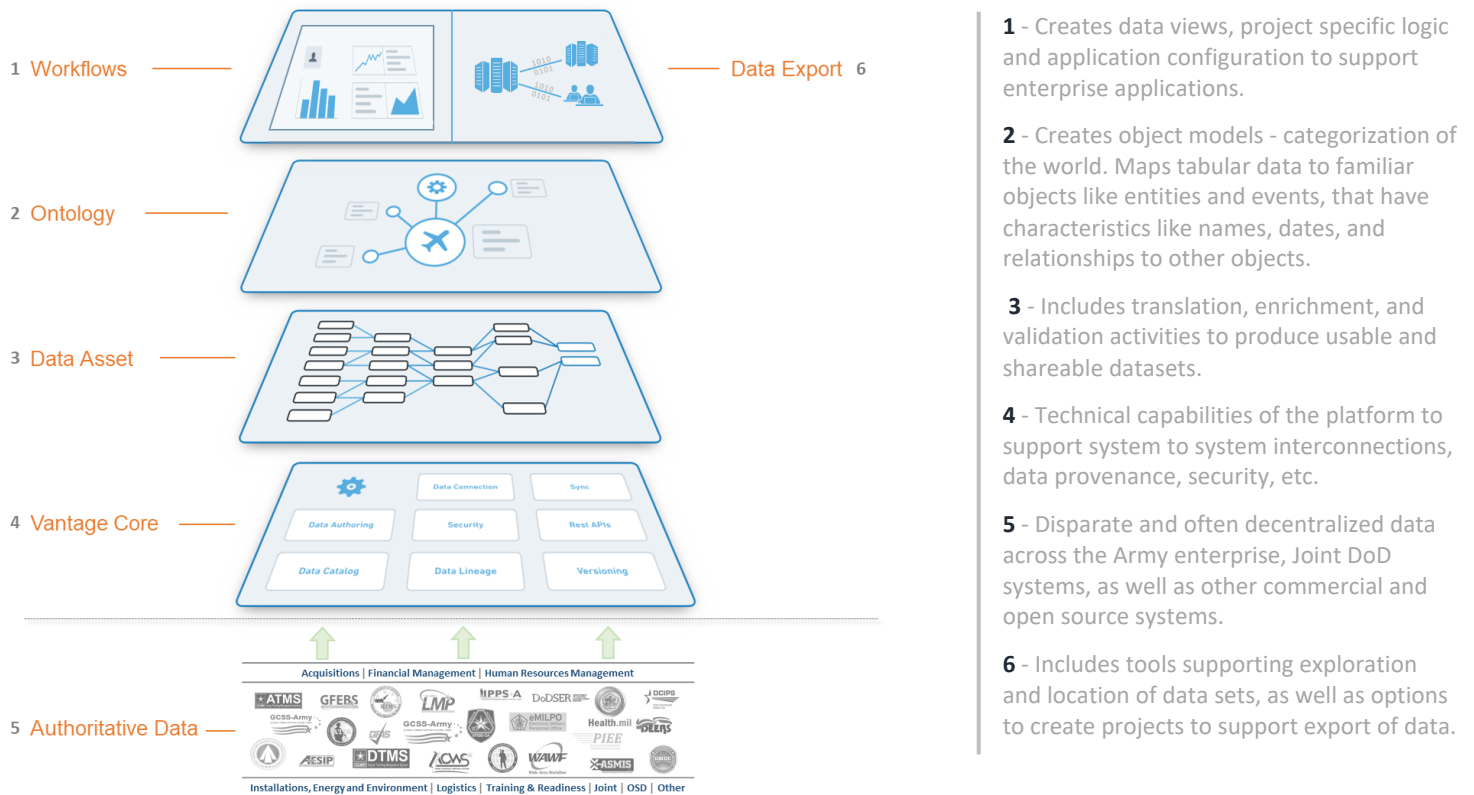# Army Vantage:
Common Data Platform

What is the Common Data Platform?

The Army Vantage Common Data Platform (CDP) is a capability that enables Army goals and objectives by making data *V*isible, *A*ccessible, *U*nderstandable, *T*rusted, *I*nteroperable, and *S*ecure. Specifically, CDP offers:

- **A trusted and authoritative data foundation:** Prevent users across the Army from having to log-in to multiple different systems to get access to the data they need. Know that both the raw data from the source systems, and the curated novel datasets in Vantage is authoritative, trusted, and can support analytics and decision making.

- **Tools for users to leverage that add value to data access:** Enables data exploration, transformation, analytics and visualization workflows using the data available in Vantage – all compatible with open source tools and languages.

- **Enable export/exchange data:** Provides solutions to reduce custom point-to-point system interfaces. Vantage enables sharing of both raw and curated datasets available within Army Vantage. Additionally, Army Vantage enables users build their own novel data sets for use within their system without having to reach back to the authoritative data source.

How is the Common Data Platform Defined?

The Vantage Common Data Platform focuses on data as an asset in support of the Army's abilities to see itself. This requires visibility into the vast amounts of data that has historically been dispersed in numerous databases across the Army and DoD. Vantage is continuing to expand centralization of data within the platform (elements 2 and 3 below), but also enables integration, lineage, workflows, and access (elements 1, 4, and 5) to maximize the value of this data to the Army.

1 - Creates data views, project specific logic and application configuration to support enterprise applications.

2 - Creates object models - categorization of the world. Maps tabular data to familiar objects like entities and events, that have characteristics like names, dates, and relationships to other objects.

3 - Includes translation, enrichment, and validation activities to produce usable and shareable datasets.

4 - Technical capabilities of the platform to support system to system interconnections, data provenance, security, etc.

5 - Disparate and often decentralized data across the Army enterprise, Joint DoD systems, as well as other commercial and open source systems.

6 - Includes tools supporting exploration and location of data sets, as well as options to create projects to support export of data.

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