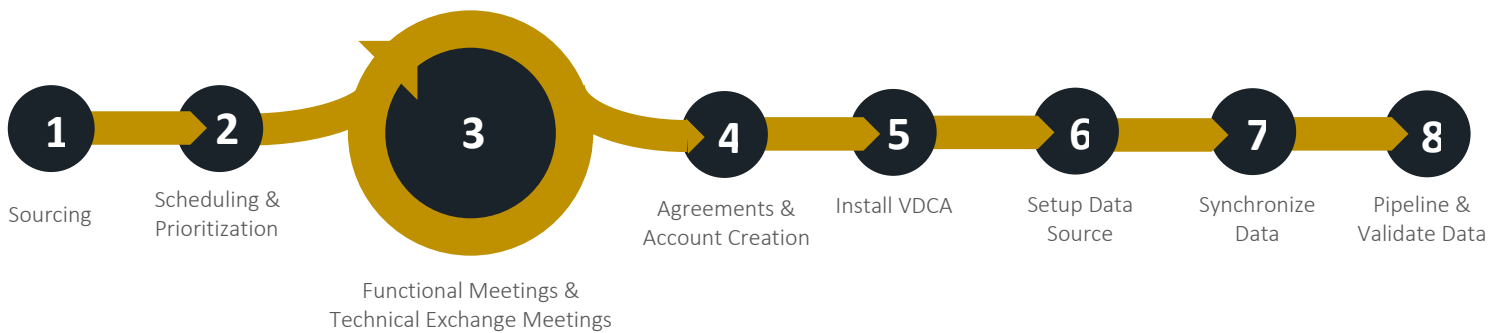




## Overview

The purpose of this document is to provide a high level overview of the activities and stakeholders involved in the establishment of a data connection between a partner system and the Vantage platform. The below steps capture the high level activities required, and will involve various project subject matter experts. Given a prepared and engaged partner, secure and cost effective connectivity can be achieved rapidly through the Vantage Data Connection Adaptor (VDCA); unlike typical interfaces which may be required weeks or months to support planning and integration.



## Process Steps

### 1 | Sourcing

In this step, the goal is to define data source requirement, usually originating from a functional need through a Vantage Line of Effort (LOE) or need surfaced through a Vantage user group. The required information at this stage should include details on the purpose of the data source, what data the source contains, why the source is needed (ie, what is a summary of the workflow it enables), and what value it adds to the effort for which it is needed.

**Key Participants:** Functional Subject Matter Experts, Data Source Owners

**Outputs/Supporting Documents:** Data Source Ingestion Thesis

### 2 | Scheduling & Prioritization

In this step, the goal is to outline and ensure common understanding of timelines and activities needed to ingest data into the Vantage Platform.

**Key Participants:** Vantage Program Management Office, Functional Subject Matter Experts, Data Source Owners

**Outputs/Supporting Documents:** High Level Schedule, Anticipated Blockers

### 3 | Functional Meetings & Technical Exchange Meetings

In this step, the goal is to communicate both the high-level and details of the capture need by sharing relevant technical requirements and specifications. This will likely occur through multiple communications (email and phone calls) before this full process is complete.

**Key Participants:** Functional Subject Matter Experts, Technical Subject Matter Experts, Data Source Owners

**Outputs/Supporting Documents:** Functional and Technical Specifications

### 4 | Agreements and Account Creation

In this step, the goal is to establish agreements, create needed accounts, and develop documents as required to exchange data between Vantage and partner system.

**Key Participants:** Infrastructure Resources, Database Administrators, Agreements Support

**Outputs/Supporting Documents:** Memorandum of Understanding/Agreement, Data Use Agreements, Ports/Protocols/Services; DD 2875 System Authorization Access Request

### 5 | Install Vantage Data Connection Adaptor

In this step, the goal is to, if needed, install and configure the Vantage Data Connection Adaptor (VDCA) agent within an accreditation boundary with connectivity to the Vantage enclave.

**Key Participants:** Infrastructure SMEs

**Outputs/Supporting Documents:** Configuration of the VDCA Agent, VDCA to Vantage Connectivity Test Results

### 6 | Setup Data Source

In this step, the goal is to establish new connection to the target data source from within Vantage, including the standards of practice that will be used to regularly retrieve data from the source system (cadence of new syncs, types of syncs, etc).

**Key Participants:** Functional SMEs, Infrastructure SMEs, Database Engineers

**Outputs/Supporting Documents:** Data Source

### 7 | Synchronize Data

In this step, the goal is to "sync" and configure new data tables from a source, as well as the frequency with which it is pulled into the system. The output results in a raw data file.

**Key Participants:** Functional SMEs, Vantage Program Management Office

**Outputs/Supporting Documents:** Raw data file

### 8 | Pipeline and Validate Data

In this step, the goal is to transform the data into a valid and useful state to satisfy the needs of user workflows. This includes scrubbing, clean-up, applying a relevant schema, leveraging of data dictionary lookups for better understanding. This step will produce canonical, domain or enterprise specific datasets, and will support validation by data stewards and DQM opportunities in source systems.

**Key Participants:** Functional SMEs

**Outputs/Supporting Documents:** Data Source Project, Enriched Data Project, Project Data Catalogs