Introduction

The vendor is expected to exchange as much data as possible via DataShare, the City's integration hub enabling system-to-system integration for both synchronous (real time) and asynchronous (near real time, batch) transactions. Whenever integration via DataShare is not possible or would pose significant delays to the deliverable targets of the project, the vendor should build direct integrations between systems in alternate ways but such decisions will be evaluated on a case by case basis. In such a case when an external system-specific integration is required, the vendor must build the necessary "hooks" for DataShare to support future migration of data exchanges to that platform.

DataShare Overview

The City seeks to exchange as much data as possible via DataShare – the City's integration hub enabling system-to-system integration for both synchronous (real time) and asynchronous (near real time, batch) transactions. The Datashare platform is built on industry standard integration technologies and tools. It provides assured delivery, routing and authorization based filtering of standard based XML data and XML wrapped payloads with access over MQ and HTTP protocols.

DataShare is a DoITT Citywide platform designed to facilitate, streamline, and standardize interagency data sharing. DoITT is strongly encouraging the adoption of the DataShare platform by all agencies. DataShare currently facilitates data sharing across 38 different agencies supporting various initiatives such as NYC 311, HHS Connect, NYC Business Express, Integrated Justice Project and the Data Element Exchange Program (DEEP).

The Enterprise Service Bus (ESB) (DataShare integration message broker) integration layer provides message brokerage/routing and integration business services for Citywide Agencies, specifically:

- routing and a reliable message transport to implement message flows that transport data and integrate services between applications of a providing Agency to one or more receiving Agencies;

- reliable transport mechanism for the ESB over secure channels that uses a store-and-forward method to assure delivery of data from one end point to the other; and

- agency adapter platforms for integration with legacy systems.

The data structures and interfaces on DataShare are standardized on NIEM compliant XML models and WS Specifications.