|  |  |
| --- | --- |
| **Name** | **1.3.1.3 Logic Request Handle** |
| **Purpose** | Display how queries are processed within the federator, and passed along to the appropriate database. |
| **Description** | Logic sends a request to the federator, which processes the query to determine if the request is for the external or scheduling database. The request is then sent to the appropriate database, and the data retrieved processed in the federator and returned to Logic. |
| **Requirements** | Requirements 3, 6, 8, 14, 16 |
| **Elements** | 1.2 Logic. Requests data from Storage. |
| Query. Request from Logic for information. |
| 1.3.1 Federator. Processes requests from Logic and data from the databases. |
| 1.3.1.1 Manage Queries. Processes the queries received from Logic. |
| 1.3.1.1.1 Determine Query Type. Takes the query from logic and determines which database to request information from. |
| External Request. A request for information from the external database. |
| 1.3.2 External Database. Retrieves and stores data from external sources. |
| External Data. Information retrieved from the external database. |
| Scheduling Request. A request for data from the scheduling database. |
| 1.3.3 Scheduling Database. Stores scheduling information. |
| Scheduling Data. Information retrieved from the scheduling database. |
| 1.3.1.2 Process Data. Processes the data received from the databases to send back to Logic. |
| Processed Data. Information retrieved from the database(s) and formatted to be used by Logic. |
| **Referenced By** | 1.3 |
| **Viewpoint** | Data Flow Diagram |