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| **Name** | **1.3.3.1 Shibboleth Query Request** |
| **Purpose** | Display how information (an access token) is retrieved from Shibboleth, stored in proxy storage, and then delivered to the federator when requested. |
| **Description** | A request from logic is received by the proxy, processed by the proxy manager, and sent to the external request manager. The External Request Manager then requests the information from Shibboleth, and the retrieved access token is stored in Proxy Storage, and set back to the federator. |
| **Requirements** | 1.3.1 Federator, 1.3.3 External Database, 1.3.4 Shibboleth |
| **Elements** | 1.3 Federator. Processes and forwards requests. |
| Request. Query from the federator to retrieve an access token from the Shibboleth Proxy. |
| Token. Access Token retrieved from Shibboleth, stored in Proxy Storage, and returned to the Federator. |
| 1.3.3.1 Shibboleth Proxy. Requests and stores information from Shibboleth. |
| 1.3.3.1.1 Proxy Manager. Manages requests received from the federator. Sends requests to the external request manager. |
| 1.3.3.1.2 Proxy Storage. Stores information retrieved from Shibboleth. |
| 1.3.3.1.3 External Request Manager. Requests information from Shibboleth. Returns result back to the Proxy Manager. |
| 1.3.4 Shibboleth. External resource that stores access tokens. |
| **Referenced By** | 1.3.3 External Database |
| **Viewpoint** | Data Flow Diagram |