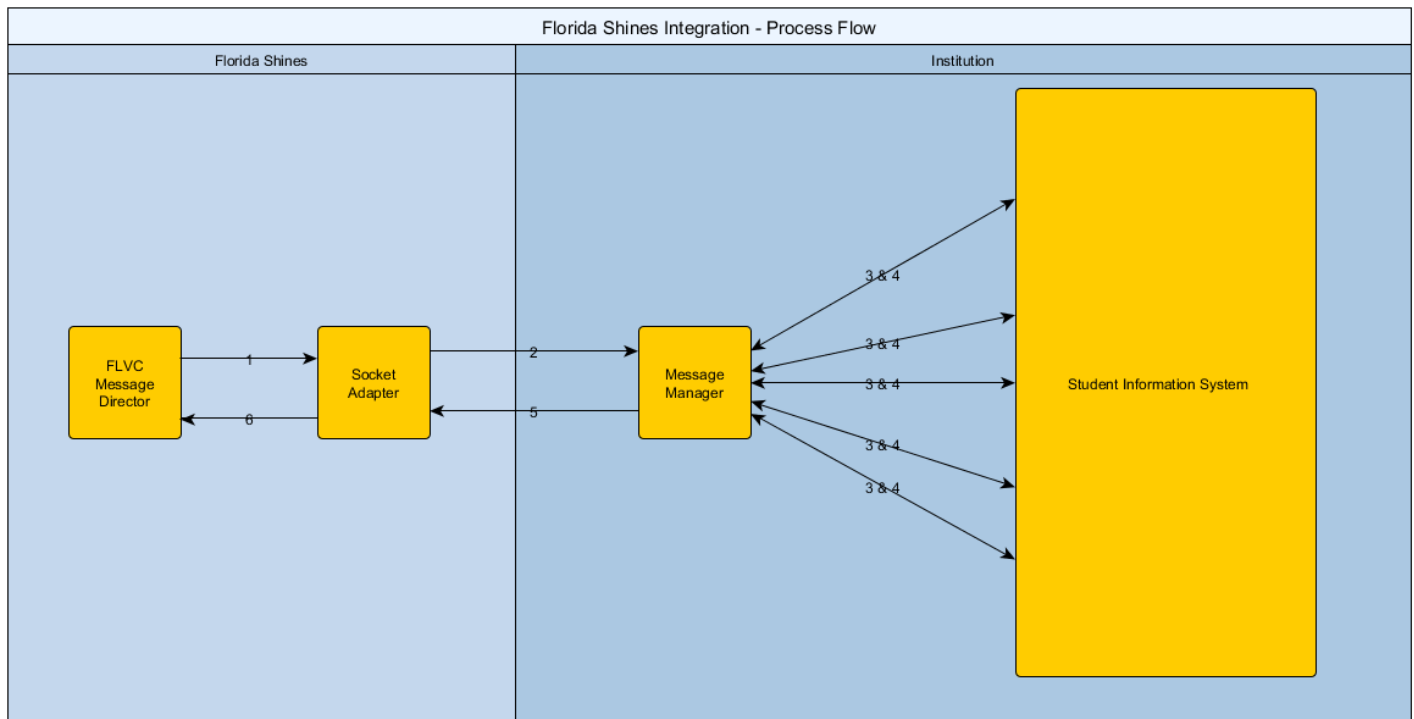


# Florida Shines



## Steps:

1. Florida Shines Message Director receives requests from the web consumer, looks up the Socket Adapter, protocol info, IP Address and Port associated with the Institution and message Type being requested to determine how to deliver the message to the appropriate institution. It then sends the request information to the appropriate Socket Adapter for the institution as a JSON message via a private API.
2. The Socket Adapter receives the message, converts the JSON to EDI, opens a raw socket connection to the institution specified in the request parameters, and delivers the request message. It then waits for a response from the institution.
3. The institution Message Manager receives the EDI message and breaks it down into its appropriate sections: Control Block, Standard Block, and other blocks associated with the specific Message Type being requested. The Standard Block contains the Message Type being requested, as well as other data related to the specific student. For each specific Message Type, a different institution ERP end point is called (using EntireX Broker) to send the request message. Message Types include: VERIFY, TRANSCRIPT, COURSELIST, GRADAUDIT, LOCALSHOP, REMOTESHOP, 22ADVISE, and ADMISSION.
4. Once the institution ERP has processed the request and formulated a response, this message is sent back to the Message Manager. Depending on the Message Type, the response will be in either EDI or XML format.
5. The Message Manager merges the data response into the original request message, updates request fields such as message length and return message and sends the response back to Florida Shines via the IP Address and Port mentioned within the original request message.
6. The Socket Adapter receives the response, inspects it, and translates it back to JSON. It then delivers the message via a private API to the Message Director. Other processing takes place as necessary to deliver a response to the web consumer.