BCS_Bridge – Bridge access to Server Services

Revision history

2017-03-22	Robin Lamacraft	Original draft
2018-04-04	John Lucas	Minor edits

SCOPE
In the HRE Integrated-Server configuration where the Server is within the same computer, this module must be used to access and receive replies to requests associated with the Server Modules, especially the database. NOTE: When the HRE-Separated Server configuration is used, and the server is another computer, the Server Connection module may be used (see CC_ServerConnection.docx). This module replaces the head of the Server module with an in-line permanent link between the Client and the HRE database. This can only access the HRE database via the API of the Direct Request Module.

Note: this description can only be completed once the tree of requests from the GUI to the BR layer via their explicit API's are enumerated, then the BR to explicit API's BR dependency and finally the API's of the BCS itself.

ACTIONS (a subset of Server Connection module):
It uses the Direct Request module APIs to:
1. Make requests to update the database
2. Make requests to retrieve data from the database.

NOTE: This bridge has a single request queue manager and is strictly first-in first out.

USED BY
Any module that interacts with the Server in the HRE Integrated Server configuration.

AUXILARY DATA USED
Unknown.

REQUIRED SERVICES
1. SS_DirectRequest
2. BR_Notification.

APPLICATION PROGRAMMING INTERFACE (API)
1. Need Details.

WARNING CONDITIONS
1. Need details of the condition that raised the warning, example message and possible next steps. (Use BR_Notification to report conditions)

ERROR CONDITIONS
1. Need to record the condition that raised the error, example message and possible next steps. (Use BR_Notification to report conditions)