CC_LocalServerConnection – Access to Local Server Services

Revision history

2017-03-22	Robin Lamacraft	Original draft - 08.01 BCS_Bridge
2018-04-04	John Lucas	Edits
2018-06-20	Rod Thompson	Revise REQUIRED SERVICES – Dependencies
2018-08-16	Nils Tolleshaug	Updated document content – changed document name to CC_LocalServerConnection

SCOPE

In the HRE Integrated-Server configuration where the Server is within the same computer, this module is used to access and receive replies to requests associated with the Local Server Modules. This module replaces the Server modules 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: When the HRE-Remote Server configuration is used, and the server is another computer, the RemoteServerConnection module is used (see CC_RemoteServerConnection.docx).

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 LocalServiceConnection has a single request queue manager and is first-in first out.

USED BY

Used by the Business Rules Layer in the HRE client to communicate with the Server when the HRE Database is located on the same computer as the HRE Client. The HRE Server API give the module access to the HRE Server Services implemented on the same computer as the HRE Client.

AUXILARY DATA USED

Unknown.

REQUIRED SERVICES – Dependencies (to be updated)

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
10.02 SS_DirectRequest	11.01 DBA_DatabaseValidateRequest	11.02 DBA_DatabaseMapRequest
	07.16 BR_MessagePatterns	07.02 BR_EntityLink
		07.01 BR_EncodedString
		07.11 BR_Logging
		Call Stack
		07.24 BR_Setting
		GUI Translation
07.16 BR_MessagePatterns		

APPLICATION PROGRAMMING INTERFACE (API)

The API interfaces from Business Rules Layer are documented in the Javadoc specification for class LocalRequestManager.

The module will send requests and receive data in JSON format over the HRE Server API .

WARNING CONDITIONS

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

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