SS_DirectRequest – Direct Request

Revision history

2017-04-05	Robin Lamacraft	Original draft
2018-04-03	John Lucas	Added BR_Notification entries
2018-04-07	Don Ferguson	Clarify up/down-load meanings
2018-06-20	Rod Thompson	Revise REQUIRED SERVICES – Dependencies
		Replace BR_Notification with BR_Message Patterns

SCOPE

There are several pathways within the server. This module controls the dispatch of different kinds of tasks. In the initial implementation of HRE only a few of these will be provided but this module is placed here to enable other pathways to be added without later changing the architecture to accommodate them later. A short list of these services is:

1. Database requests (early implementation)
2. Administrator database maintenance tasks (early implementation)
3. Batch copying of files from a client to the server as part of a common repository of files, like images for all users to share
4. Batch creation of complex reports, by uploading to the server the report script and executing it within the server, saving a lot of remote database accesses
5. Batch downloading of lengthy report files to a client after their execution and request from the client for the transfer
6. Database maintenance tasks that may have to be scheduled when the database is not in use
7. Broadcasting messages to the users of this server
8. Broadcasting messages to users of this project
9. Conducting message interchanges between uses of the same project.

ACTIONS:

1. Send standard database requests to DBA_DatabaseValidateRequest, and return output or status to SH_Queues
2. [Other actions to be defined once other capabilities are available]

USED BY

SH_Queues.

AUXILARY DATA USED

Unknown.

REQUIRED SERVICES – Dependencies

First-Order Dependencies	Second-Order Dependencies	Higher-Order Dependencies
11.01 DBA_DatabaseValidateRequest	11.02 DBA_DatabaseMapRequest	11.03 DBA_DatabaseTransactiont
07.16 BR_MessagePatterns	07.02 BR_EntityLink	NIL
	07.01 BR_EncodedString	NIL
	07.11 BR_Logging	07.01 BR_EncodedString
		07.02 BR_EntityLink
		07.29 BR_Translation
		07.26 BR_Substitution
	Call Stack	
	07.24 BR_Setting	BR_AppData
		BR_UserData
		BR_Entity Link
	GUI Translation	

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_MessagePatterns to alert the user.)

ERROR CONDITIONS

1. Need to record the condition that raised the error, example message and possible next steps. (Use BR_MessagePatterns to alert the user.)