Command Reference: CreateDataStoreDataDictionary()

Create an HTML data dictionary for a datastore

ersion 11.07.03, 2015-09-01

The CreateDataStoreDataDictionary () command creates an HTML data dictionary and Entity Relationship (ER) Diagram for a database datastore. This command is under development and will enhanced as resources allow. The Java DatabaseMetaData class is used to access database metadata. Current limitations are as follows:

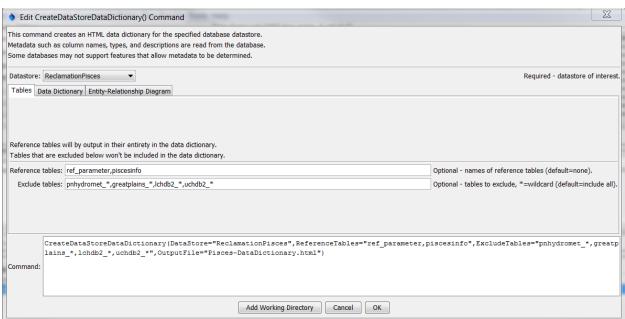
- The command has been tested with SQL Server, Microsoft Access, MySQL, and PostgreSQL databases. The command may or may not work with other databases.
- SQL Server is supported to a limited degree. Table and column descriptions currently cannot be retrieved due to limitations in SQL Server database drivers.
- Data dictionary output is only as complete as the metadata defined by the database administrator

 there currently is no way to provide additional information via the command, although in the future an ability to provide table and column descriptions using an input table may be implemented.
- The ER Diagram capability is under development.
- Information for procedures, functions, and triggers is not implemented.

The data dictionary output from the command is an HTML file that provides:

- General database information.
- A list of tables and views, which link to table details.
- For each table, the details for the columns in the table, including name, data type, remarks (description), whether null is allowed, and indication of whether the columns are primary or foreign keys.
- Reference tables have all of their data listed to help understand relationships.

The following dialog is used to edit the command and illustrates the syntax for the command:



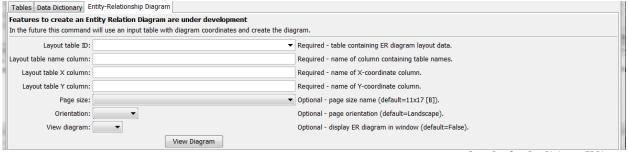
CreateDataStoreDataDictionary_Tables

CreateDataStoreDataDictionary() Command Editor for Table Parameters



CreateDataStoreDataDictionary

CreateDataStoreDataDictionary() Command Editor for Data Dictionary Parameters



CreateDataStoreDataDictionary_ERDiagram

CreateDataStoreDataDictionary() Command Editor for Entity Relationship Diagram Parameters

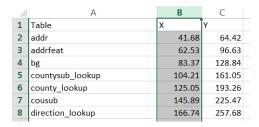
The command syntax is as follows:

CreateDataStoreDataDictionary(Parameter=Value,...)

Command Parameters

Parameter	Description	Default
DataStore	The name of a database datastore.	None – must be
		specified.
ReferenceTables	A list of database reference tables. The content of these	No reference tables
	tables will be output in their entirety.	
OutputFile	The name of the file for the HTML data dictionary. The	None.
	name can contain \${Property} notation to insert	
	processor property values in the filename.	
SurroundWithPre	Specify as True if comments for table columns should be	False
	surrounded with <pre></pre> in output, useful if	
	comments included newlines for formatting. In this case	
	Newline and EncodeHtmlChars are ignored.	
Newline	String to replace newline in table column comments. For	Space
	example use to preserve newlines in HTML output.	_
	Specifying True will cause EncodeHtmlChars to be	
	ignored.	
EncodeHtmlChars	Specify as True if characters such as < should be	True
	encoded to display in HTML, False to pass through	
	comment content as is with no encoding.	
ERDiagram	The table identifier for the table supplying ER Diagram	None – must be
LayoutTableID	coordinate information.	specified if ER
		Diagram is created.
ERDiagramLayout	The name of the column in the layout table containing the	None – must be
TableXColumn	X coordinates for the ER Diagram. Coordinates should be	specified.
	specified in points (1/72 of inch) as position on page size.	
ERDiagramLayout	The name of the column in the layout table containing the	None – must be
TableYColumn	Y coordinates for the ER Diagram.	specified.
ERDiagram	The page size for the ER Diagram layout. Currently this	В
PageSize	defaults to 11x17 (B).	
ERDiagram	The orientation of the ER Diagram.	Landscape
Orientation		
ViewERDiagram	Indicate whether the ER Diagram should be shown in a	False
	window when the commands are run.	

The following is an example of an Excel workbook with ER Diagram layout data.



CreateDataStoreDataDictionary_Layout

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