

## Grandite's DB2 UDB for LUW Plug-in for Open ModelSphere

The DB2 UDB for LUW plug-in for Open ModelSphere supports forward (F) and reverse engineering (R) as well as synchronization (S) for the following DB2 UDB for LUW concepts and descriptors:

<b>ModelSphere</b>	<b>IBM DB2 UDB</b>	<b>Default Value</b>	<b>Forward</b>	<b>Reverse</b>	<b>Synchr.</b>
<b>Data Model</b>				<b>R</b>	
Name					
Physical name					
Alias					
UML Stereotype					
Version					
Author					
Is Validated					
Locked					
Deployment Database	data source name			<b>R</b>	
Description					

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> Table	> Table		F	R	S
Name					
Physical Name	table-name		F	R	S
Alias					
Supertable					
UML Stereotype					
Selection Rule					
User	<i>physical name of user (refers to a schema)</i>		F	R	S
Is Dependent					
Is Association Table					
Replicated	PARTITIONING KEY / REPLICATED		F	R	S
In Tablespace	IN tablespace-name1		F	R	S
Long Objects in Tablespace	LONG IN tablespace-name2		F	R	S
Index in Tablespace	INDEX IN tablespace-name3		F	R	S
Data Capture	DATA CAPTURE NONE / CHANGES		F	R	S
Is Federated	(NOT) FEDERATED		F		
Value Compression	VALUE COMPRESSION		F	R	S
With Restrict on Drop	WITH RESTRICT ON DROP		F	R	S
Not Logged Initially	NOT LOGGED INITIALLY		F	R	S
Description	COMMENT ON TABLE		F	R	

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>> Column	>> Column		F	R	S
Name					
Physical Name	column-name		F	R	S
Alias	<i>numerical place of column in table or view</i>			R	
Supercolumn					
UML Stereotype					
Type	data-type		F	R	S
Length	data-type length		F	R	S
Nbr. Decimals	data-type number-of-decimals		F	R	S
Null Possible	NOT NULL	Yes	F	R	S
Common Item					
Reference					
Size Unit	BLOB / CLOB / DBLOB integer <lob-size-unit>		F	R	S
For Bit Data	FOR BIT DATA		F	R	S
Logged	(NOT) LOGGED	Yes	F	R	S
Compact	(NOT) COMPACT		F	R	S
Link Type URL	LINKTYPE URL		F	R	S
Initial Value	WITH DEFAULT ...		F	R	S
Description	COMMENT ON COLUMN		F	R	
>> Primary / Unique Key	>> Unique Constraint		F	R	S
Name					
Physical Name	constraint-name		F	R	S
Alias					
Superconstraint					
UML Stereotype					
Primary	PRIMARY KEY / UNIQUE	Yes	F	R	S
Index					
Description	COMMENT ON CONSTRAINT		F	R	

> > Foreign Key	> > Referential Constraint		F	R	S
Name					
Physical Name	constraint-name		F	R	S
Alias	<i>parent key</i>			R	
UML Stereotype					
Index					
On Delete Action	ON DELETE NO ACTION / ON DELETE RESTRICT ...		F	R	S
On Update Restrict	ON UPDATE NO ACTION / ON UPDATE RESTRICT		F	R	S
Enforced	(NOT) ENFORCED		F	R	S
Enable Query Optimization	EN... / DISABLE QUERY OPTIMIZATION		F	R	S
Description	COMMENT ON CONSTRAINT		F	R	
> > Check	> > Check Constraint		F	R	S
Name					
Physical Name	constraint-name		F	R	S
Alias					
Superconstraint					
UML Stereotype					
Condition	check-condition		F	R	
Column					
Enforced	(NOT) ENFORCED		F	R	S
Enable Query Optimization	EN... / DISABLE QUERY OPTIMIZATION		F	R	S
Description	COMMENT ON CONSTRAINT		F	R	

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> > Index	> Index		F	R	S
Name					
Physical Name	index-name		F	R	S
Alias					
Superindex					
UML Stereotype					
Unique	UNIQUE		F	R	S
Constraint					
User	<i>physical name of user (refers to a schema)</i>		F	R	S
Primary					
Percentage Free	PCTFREE integer	0	F	R	S
Minimum Percentage Used	MINPCTUSED integer	0	F	R	S
Allow Reverse Scans	(DIS)ALLOW REVERSE SCANS		F	R	S
Collect Statistics	COLLECT (SAMPLED) (DETAILED) STATISTICS		F	R	S
Cluster	CLUSTER		F	R	S
Description	COMMENT ON INDEX		F	R	
> > Trigger	> Trigger		F	R	S
Name					
Physical Name	trigger-name		F	R	S
Alias					
Supertrigger					
UML Stereotype					
User	<i>physical name of user (refers to a schema)</i>		F	R	S
Event	INSERT / DELETE / UPDATE		F	R	S
Old Alias					
New Alias					
When Condition	WHEN search-condition		F		
Time	NO CASCADE BEFORE / AFTER / INSTEAD OF		F	R	S
Old Table					
New Table					
For Each Statement	FOR EACH ROW / STATEMENT		F	R	S
Body	<i>code statements</i>		F	R	
Description					

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<b>&gt; View</b>	<b>&gt; View</b>		<b>F</b>	<b>R</b>	<b>S</b>
Name					
Physical Name	view-name		<b>F</b>	<b>R</b>	<b>S</b>
Alias					
Supertable					
UML Stereotype					
Selection Rule	fullselect		<b>F</b>	<b>R</b>	
User	<i>physical name of user (refers to a schema)</i>		<b>F</b>	<b>R</b>	<b>S</b>
Is Federated	FEDERATED		<b>F</b>		
Check Option	WITH CASCADED / LOCAL CHECK OPTION		<b>F</b>	<b>R</b>	<b>S</b>
Description	COMMENT ON VIEW		<b>F</b>	<b>R</b>	
<b>&gt; &gt; Column</b>	<b>&gt; &gt; Column (see above)</b>		<b>F</b>	<b>R</b>	<b>S</b>
<b>&gt; &gt; Trigger</b>	<b>&gt; Trigger (see above)</b>		<b>F</b>	<b>R</b>	<b>S</b>
<b>&gt; Sequence</b>	<b>&gt; Sequence</b>		<b>F</b>	<b>R</b>	<b>S</b>
Name					
Physical name	sequence-name		<b>F</b>	<b>R</b>	<b>S</b>
Alias					
UML Stereotype					
As	AS data-type		<b>F</b>	<b>R</b>	<b>S</b>
Start With	START WITH numeric-constant	1	<b>F</b>	<b>R</b>	<b>S</b>
Increment by	INCREMENT BY numeric-constant	1	<b>F</b>	<b>R</b>	<b>S</b>
Minimum Value	(NO) MINVALUE numeric-constant	1	<b>F</b>	<b>R</b>	<b>S</b>
Maximum Value	(NO) MAXVALUE numeric-constant	255	<b>F</b>	<b>R</b>	<b>S</b>
Cycle	(NO) CYCLE		<b>F</b>	<b>R</b>	<b>S</b>
Order	(NO) ORDER		<b>F</b>	<b>R</b>	<b>S</b>
Cache	(NO) CACHE integer-constant	20	<b>F</b>	<b>R</b>	<b>S</b>
User					
Description					

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<b>Database</b>					
Name					
Physical name					
Alias					
UML Stereotype					
Version					
Author					
Is Validated					
Locked					
Schema					
Operation Library					
User-defined Types Model					
Default Domain Model					
Description					
<b>&gt; Database Partition Group</b>	<b>&gt; Database Partition Group</b>		<b>F</b>	<b>R</b>	<b>S</b>
Name					
Physical name	db-partition-group-name		<b>F</b>	<b>R</b>	<b>S</b>
Alias					
UML Stereotype					
On All Database Partition Numbers	ON ALL DBPARTITIONNUMS		<b>F</b>		
Database Partition Numbers	ON DBPARTITIONNUM(S)	0 TO 999	<b>F</b>	<b>R</b>	<b>S</b>
Description	COMMENT ON DATABASE PARTITION GROUP		<b>F</b>	<b>R</b>	

<b>&gt; BufferPool</b>	<b>&gt; Buffer Pool</b>		<b>F</b>	<b>R</b>	<b>S</b>
Name					
Physical name	bufferpool-name		<b>F</b>	<b>R</b>	<b>S</b>
Alias	<i>bufferpool-id</i>			<b>R</b>	
UML Stereotype					
Deferrable	IMMEDIATE / DEFERRED		<b>F</b>		
On All Database Partition Numbers	ALL DBPARTITIONNUMS		<b>F</b>		
Database Partition Groups	DATABASE PARTITION GROUP db-partition-group-name		<b>F</b>	<b>R</b>	<b>S</b>
Size	SIZE number-of-pages	4096	<b>F</b>	<b>R</b>	<b>S</b>
Number of Block Pages	NUMBLOCKPAGES number-of-pages	0	<b>F</b>	<b>R</b>	<b>S</b>
Block Size	BLOCKSIZE number-of-pages	32	<b>F</b>	<b>R</b>	<b>S</b>
Page Size	PAGESIZE page-size	4096	<b>F</b>	<b>R</b>	<b>S</b>
Extended Storage	(NOT) EXTENDED STORAGE		<b>F</b>	<b>R</b>	<b>S</b>
Description					
<b>&gt; &gt; Buffer Pool Except On Clause</b>	<b>&gt; &gt; Buffer Pool Except Clause</b>		<b>F</b>		
Start Partition	(EXCEPT ON) DBPARTITIONNUM db-partition-number1	0	<b>F</b>		
End Partition	(TO) db-partition-number2	0	<b>F</b>		
Number of Pages	SIZE number-of-pages	4096	<b>F</b>		

<b>&gt; Tablespace</b>	<b>&gt; Tablespace</b>		<b>F</b>	<b>R</b>	<b>S</b>
Name					
Physical name	tablespace-name		<b>F</b>	<b>R</b>	<b>S</b>
Alias					
UML Stereotype					
Type	REGULAR / LARGE / ...		<b>F</b>	<b>R</b>	<b>S</b>
Database Partition Group	IN DATABASE PARTITION GROUP database-partition-group-name		<b>F</b>	<b>R</b>	<b>S</b>
Page Size	PAGESIZE integer	4096	<b>F</b>	<b>R</b>	<b>S</b>
Page Size Units	page-size-unit		<b>F</b>		
Managed by	MANAGED BY DATABASE / SYSTEM		<b>F</b>	<b>R</b>	<b>S</b>
Extent Size	EXTENTSIZE number-of-pages	64	<b>F</b>	<b>R</b>	<b>S</b>
Extent Size Units	extent-size-unit		<b>F</b>		
Prefetch Size	PREFETCHSIZE number-of-pages	32	<b>F</b>	<b>R</b>	<b>S</b>
Prefetch Size Units	prefetch-size-unit		<b>F</b>		
BufferPool	BUFFERPOOL bufferpool-name		<b>F</b>	<b>R</b>	<b>S</b>
Overhead	OVERHEAD number-of-milliseconds	24.1	<b>F</b>	<b>R</b>	<b>S</b>
Transfer Rate	TRANSFERRATE number-of-milliseconds	0.9	<b>F</b>	<b>R</b>	<b>S</b>
Drop Table Recovery	DROPPED TABLE RECOVERY ON / OFF		<b>F</b>	<b>R</b>	<b>S</b>
Description	COMMENT ON TABLESPACE		<b>F</b>	<b>R</b>	
<b>&gt;&gt; Container Clause</b>	<b>&gt;&gt; Tablespace Container Clause</b>		<b>F</b>	<b>R</b>	
On Database Partition Group	on-db-partitions-clause (free text)		<b>F</b>	<b>R</b>	
System Container Text	USING container-clause	/dev /container \$N	<b>F</b>	<b>R</b>	
<b>&gt;&gt;&gt; Container Item</b>	<b>&gt;&gt;&gt; Tablespace Container Item (for database containers only)</b>		<b>F</b>	<b>R</b>	
File or Device	FILE / DEVICE		<b>F</b>	<b>R</b>	<b>S</b>
System Container Text	'container-string'	/dev /container \$N	<b>F</b>	<b>R</b>	
Number of Pages	number-of-pages	4096	<b>F</b>	<b>R</b>	<b>S</b>
Units of Number of Pages	page-size-unit		<b>F</b>	<b>R</b>	<b>S</b>

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<b>Operation Lib</b>				<b>R</b>	
Name					
Physical name					
Alias					
UML Stereotype					
Version					
Author					
Is Validated					
Locked					
Deployment Database	<i>data source name</i>			<b>R</b>	
Description					

> Procedure / Function	> Procedure (External) > Procedure (SQL) > Function (External Scalar) > Function (SQL Scalar, Table or Row)	<i>applies to</i>		F	R	S
Name						
Physical Name	PROCEDURE / FUNCTION name	all		F	R	S
Alias						
UML Stereotype						
User	<i>physical name of user (refers to a schema)</i>	all		F	R	S
Function	<type of procedure / function>	all		F	R	S
Return Type	RETURNS data-type	Function		F	R	S
Return Type Reference						
Java Method	EXTERNAL NAME <class>.<method>	External		F		
Length	data-type length	Function	0	F	R	S
Precision	data-type number-of-decimals	Function	0	F	R	S
Locator	AS LOCATOR	Function		F		
Specific Name	SPECIFIC specific-name	all		F	R	S
External Name	EXTERNAL NAME string / identifier	External		F	R	S
Cardinality	CARDINALITY	Function			R	
Dynamic Result Sets	DYNAMIC RESULT SETS integer	Procedure		F	R	S
External	EXTERNAL	External		F	R	S
Language	LANGUAGE	all		F	R	S
Parameter Style	PARAMETER STYLE ...	External		F	R	S
Deterministic	(NOT) DETERMINISTIC	all		F	R	S
Fenced	(NOT) FENCED	External		F	R	S
Null Input	... ON NULL INPUT	all		F	R	S
SQL	... READS SQL DATA / NO SQL / CONTAINS SQL	all		F	R	S
Static Dispatch	STATIC DISPATCH	Function		F	R	S
External Action	(NO) EXTERNAL ACTION	Function		F	R	S
Scratch Pad	(NO) SCRATCHPAD	Function		F	R	S
Final Call	(NO) FINAL CALL	Function		F	R	S
Parallelism	(DIS)ALLOW PARALLEL	Function		F	R	S
DB Info	(NO) DBINFO	External		F	R	S

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Predicate	PREDICATES predicate-specification	Function		<b>F</b>	<b>R</b>	<b>S</b>
Inherit Special Registers	INHERIT SPECIAL REGISTERS	all		<b>F</b>	<b>R</b>	<b>S</b>
Federated	NOT FEDERATED	all		<b>F</b>	<b>R</b>	<b>S</b>
Body	<i>code statements</i>	all		<b>F</b>	<b>R</b>	
Description	COMMENT ON ...	all		<b>F</b>	<b>R</b>	
<b>&gt; &gt; Parameter</b>	<b>&gt; &gt; Parameter</b>			<b>F</b>	<b>R</b>	<b>S</b>
Name						
Physical Name	parameter-name	all		<b>F</b>	<b>R</b>	<b>S</b>
Alias	<i>numerical place of parameter in list</i>	all			<b>R</b>	
UML Stereotype						
Passing Convention	<i>row type</i>		In		<b>R</b>	
Type	data-type			<b>F</b>	<b>R</b>	<b>S</b>
Length	data-type length	all		<b>F</b>	<b>R</b>	<b>S</b>
Nbr. Decimals	data-type number-of-decimals	all		<b>F</b>	<b>R</b>	<b>S</b>
Reference						
Locator	AS LOCATOR	all		<b>F</b>	<b>R</b>	<b>S</b>
Description	COMMENT ON PARAMETER	all		<b>F</b>	<b>R</b>	