

# DBS\_INSUPD

## DB\_INSUPD a DBS\_INSUPD actions

Function	The action is a merger of the actions <a href="#">DB_INSERT</a> and <a href="#">DB_UPDATE</a> (or <b>DBS_INSERT</b> and <b>DBS_UPDATE</b> ). It works just with one row or more rows. If inserting a row fails (for any reasons), there is an assumption that inserting failed because of the reference integrity (unique key in database) and the action attempts to update existing row. There will be updated the columns, which are not part of the key, the key column(s) remains unchanged. The action is terminated successfully only if all the rows have been inserted or updated.																						
Declaration	<pre>DB_INSUPD handleIdent_Int, rowIdent, retCodeIdent_Int [ORAHINT hintIdent_Str]  DBS_INSUPD dbObjIdent, rowIdent, retCodeIdent_Int [TRANS transHandle_Int] [ORAHINT hintIdent_Str]</pre> <p>or</p> <pre>DB_INSUPD handleIdent_Int, structIdent, retCodeIdent_Int [ORAHINT hintIdent_Str]  DBS_INSUPD dbObjIdent, structIdent, retCodeIdent_Int [TRANS transHandle_Int] [ORAHINT hintIdent_Str]</pre>																						
Parameters	<table><tr><td>handleIdent_Int</td><td>in</td><td><a href="#">Identifier of Int</a> type - handle of connection with the database table (<a href="#">DB_CONNECT</a>).</td></tr><tr><td>dbObjIdent</td><td>in</td><td><a href="#">Reference to object</a> of <a href="#">Database table</a> type.</td></tr><tr><td>rowIdent</td><td>in</td><td><a href="#">Identifier of one structure row</a> (a row to insert).</td></tr><tr><td>structIdent</td><td>in</td><td><a href="#">Identifier of entire structure</a> (the rows to insert).</td></tr><tr><td>retCodeIdent_Int</td><td>out</td><td>Return code <a href="#">identifier</a>.</td></tr><tr><td>transHandle_Int</td><td>in</td><td>Identifier of the <a href="#">connection</a> to the database.</td></tr><tr><td>hintIdent_Str</td><td>in</td><td>Expression of <i>String</i> type that defines Oracle SQL hint. It is used as an instruction for the performance optimizer of SQL command. The value is used without the opening and terminating characters /*+ &lt;orahint&gt; */. The example is mentioned <a href="#">here</a>.</td></tr></table>		handleIdent_Int	in	<a href="#">Identifier of Int</a> type - handle of connection with the database table ( <a href="#">DB_CONNECT</a> ).	dbObjIdent	in	<a href="#">Reference to object</a> of <a href="#">Database table</a> type.	rowIdent	in	<a href="#">Identifier of one structure row</a> (a row to insert).	structIdent	in	<a href="#">Identifier of entire structure</a> (the rows to insert).	retCodeIdent_Int	out	Return code <a href="#">identifier</a> .	transHandle_Int	in	Identifier of the <a href="#">connection</a> to the database.	hintIdent_Str	in	Expression of <i>String</i> type that defines Oracle SQL hint. It is used as an instruction for the performance optimizer of SQL command. The value is used without the opening and terminating characters /*+ <orahint> */. The example is mentioned <a href="#">here</a> .
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Return code	Value of the parameter <i>retCodeIdent_Int</i> - see the table of <a href="#">error codes</a> . It is possible to get <a href="#">extended error information</a> . Since the version D2000 v7.01.010, the action <b>DBS_INSUPD</b> returns an error in case that the number of updated rows, by any row of structure, is 0.																						
Description	Database table must be opened with the access rights <code>_DB_MODIFY</code> . Row or structure to be inserted must be of correct structure type. All items of each row to insert must contain valid values. There must be defined a key for the database table.  Advantage of the action <b>DBS_INSUPD</b> when working with a database table, is the possibility to leave out opening and closing the database table (easier declaration). <a href="#">Optimisation</a> of the DBManager process (recycling connections, prepared connections) allows to execute the action <b>DBS_INSUPD</b> as quick as the action <b>DB_INSUPD</b> and the time necessary for processing the explicit command to open the database <b>DB_CONNECT</b> will be saved.																						
Example	<a href="#">Work with a database table (actions DB_...)</a> .																						
Related topics	<a href="#">DB_CONNECT</a> <a href="#">DB_DELETE</a> <a href="#">DB_DISCONNECT</a>																						

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[DB\\_READ](#)  
[DB\\_READ\\_BLOB](#)  
[DB\\_UPDATE](#)  
[DB\\_UPDATE\\_BLOB](#)

[DB\\_TRANS\\_OPEN](#)  
[DB\\_TRANS\\_COMMIT](#)  
[DB\\_TRANS\\_ROLLBACK](#)  
[DB\\_TRANS\\_CLOSE](#)

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