SYNTHESYS INTERACTION STUDIO Database Output Actions

Database Output Action	Wizard	
Name	Output Type Select what the output should do.	S
Settings	Output Type Update Then Insert	
Output Туре	Execute Stored Procedure Inset Ordy Update Ordy Update Ordy	
Database Connection		
Output Destination		
Select Update Data		
Select Insert Data		
	< Back Next> Finish Cano	el

Database Output Action Wi	izard			
Name	Select Update Data Select the data to be U	odated in each colu	imn from the tree on the left.	4
Settings	Tick Key Columns, select	to set data.	?	Select the data for the selected column.
	Column Type	e Allow Nulls	Value	👷 SelectedText
Output Type	BookingRe varcl	nar False	<% Synthesys.Property.Cit	- 😵 SelectedValue
	Destination varch	nar True	<% Synthesys.Property.Cit	🕒 🧰 Other Properties
	HolidayType varcl	nar True	<% Synthesys.Property.Cit	EventPrompt
Database Connection	Name vard	nar True	<% Calculation:FullName	E 2 Lity Break Destination
	Telephone varcl	har True	<% Synthesys.Property.Cit	Dooking
Outrant Departmention				C BookNum
Output Destination				Other Properties
				HelnPromot
Select Hedate Data				Destination
Select Opuate Data				and thems
				🕺 SelectedText
Select Incert Data				- 🕺 SelectedValue
Select mater Data				😟 Other Properties
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				🕀 😰 Enquiry
				Brochure Request
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				🖃 👉 Calculations 🔍
	Copy Values to Insert			New Calculation Edit Calculation
			C	<back next=""> Finish Cancel</back>





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Synthesys Database Output Action

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DATABASE OUTPUT ACTION

The Database Output Action in the Synthesys App Studio allows users to export data from a web call into a selected database, using the available *Insert* and *Update* options or running stored procedures.

Users running a data export to another machine must enable the MSDTC (Microsoft Distributed Transaction Coordinator) on the target machine, as well as creating a System DSN to the target database on the Synthesys server'.

Database Output Name

Enter a name for the output action in the first page of the Database Output wizard.

Database Output Act	tion Wizard
Name	Name Set Display Name and Internal name for the Action.
Settings	Assign a Display Name and an Internal name for the Action.
Output Type	Display Name DBOutput
Database Connection	Name DBOutput
Output Destination	
Select Insert Data	
	< Back Next > Finish Cancel

Settings

From the *Filter* option in the Settings page of the Wizard, select if the DB output that you generate should include aborted calls or not, or aborted calls only.

Database Output Act	tion Wizard
Name	Settings Select when the export should occur.
Settings	Filter Do not include aborted calls
Output Type	Include aborted calls Do not include aborted calls Only on aborted calls
Database Connection	
Output Destination	
Select Insert Data	
	< Back Next > Finish Cancel



Output Type

From the *Output Type* drop down menu in the Output Type page of the wizard, select the method of DB output action to be used. The options available are:

Select to
use a SQL statement to run the output action, for example to insert and update multiple records or records in multiple tables
insert single records into a designated database
update single records in a designated database, defining key fields in the <i>Database Output Action</i> .
update and/ or insert single records in the designated database defining key fields in the <i>Database Output Action</i> .



When the required Output type is selected, the associated options of either 'Select Insert Data', 'Select Update Data', 'Select Insert Data and Select Update Data' or 'Select Procedure Data' are displayed in the left section of the Database Output Action wizard.

Example: Update Then Insert

On selecting '*Update Then Insert*' in the Output Type page of the wizard, the associated options '*Select Update Date*' and '*Select Insert Data*' are displayed in the left section of the wizard.

Database Output Action	Vizard						
Name	Output Type Select what the output should do.						
Settings	Output Type Upda	te Then Insert 💌					
Output Type	Execu Insert Updal Updal	te Stored Procedure Only e Only e Then Insert					
Database Connection							
Output Destination							
Select Update Data							
Select Insert Data							
			<pre> Back Next ></pre>	Finish Cancel			

The options displayed in the left section of the wizard reflect the Output Type selected.



Database Connection

In the Database Connection page of the wizard users specify the connection method, i.e. **Microsoft SQL Server Driver, DSN** or **Oracle Driver**.

- Click the **Update** button and in the *DB Connection Dialog* subsequently displayed, select the name of the **Server**.
- *Next*, choose the required *Authentication,* enter the *Login* and *Password* details as required and select the **Database** to which you want to connect.

Database Output Action V	Wizard
Name	Database Connection Setup the database connection.
Settings	Select Database Connection Method:
Output Type	Microsoft SQL Server DDBC
Database Connection	O Dracle
Output Destination	Connection String: Server Name: HYBRID Update
Select Update Data	Login:
Select Insert Data	Password Connect to delabase. TrainingD8
	Connect Cancel
	< Back Next> Finish Cancel

When the required **Connection string** is displayed in the Database Output Action dialog, click Next, to move to the next page of the wizard.

Database Output Action	Wizard	
Name	Database Connection Setup the database connection.	
Settings	Select Database Connection Method:	
Output Type	Microsoft SQL Server ODBC	
Database Connection	Oracle	
Output Destination	Connection String: Data Source+HYBRID.tinital Catalog=TrainingDB.thtgrated Update	
Select Update Data		
Select Insert Data		
	<back next=""> Finish Can</back>	



Output Destination

In the *Output Destination* page of the wizard users select the destination database table for the export and the columns to be used for the output action.

As we are using the output type *Update Then Insert*, we need to select both, the *Update* and the *Insert* columns that we wish to use.

Selected Update columns display U in the selected box, selected Insert columns I.



In the next page of the wizard we need to define the data for the selected *Update* and *Insert* columns.

Select Update Data

The data for the *Update* is moved from the *Select the data for the selected column* on the right to the relevant destination column on the left, using the blue arrow.

Tick the key columns/ primary key fields for the output action, before moving to the next page of the wizard.

In our example, the key column that we have ticked is the 'Booking Reference'. This will now act as a filter to update records in the other columns displayed, but not ticked.

Database Output Action Wize	ard						
Name	Select Update Da Select the data to	ita be Updati	ed in each colu	mn from the tree on the left.			S
Settings	Tick Key Columns, :	select to se	et data.	(?	Select the data for the selected column.	
	Column	Туре	Allow Nulls	Value		- 😵 SelectedText	^
Output Type	BookingBe	varchar	False	<% Synthesis Property Cit			
	Destination	varchar	True	<% Synthesys, Property, Cit		Other Properties	
	HolidavType	varchar	True	<% Synthesys, Property, Cit		EventPrompt	
Database Connection	Name	varchar	True	«% Calculation: FullName			
	Telephone	varchar	True	<% Synthesys, Property, Cit		∎ 2 booking	
					-	BOOKNUM	
Uutput Destination					-	Walle Other Departure	
					_	Unier Properties	
						Destination	
Select Update Data						B ge Destination	
						SelectedText	
						Selected/alue	
Select Insert Data						Other Properties	-
						DestinationPrompt	
					-	Enquiry	
					-	Brochure Request	_
					-	- input Action Results	
					-	😑 🦢 Calculations	-
						a Durahum	
	Copy Values to In	rsert				New Calculation Edit Calculation	
_					< B	ack Next > Finish C	ancel



Select Insert Data

In this page of the wizard, select the required data fields for the Insert.

Again, move the data from the *Select the data for the selected column* on the right to the relevant destination column on the left, using the blue arrow.

Database Output Action	Wizard							
Name	Select Insert Data Select the data to be inserted into each column from the tree on the left.							
Settings	Select the destination	column.			:	Select the data for the selected column.		
Output Type	Column 1 BookingRefere v Date sr Destination v	Type varchar malld	Allow Nulls False True True	Value <% Synthesys.Property.Cit <% Synthesys.System.Sta		Calculable Items System Instance Variables Abort Reason Accept First Name	^	
Database Connection	HolidayType v. Name v. Telephone v.	archar varchar varchar varchar	True True True		-	ar Agent Id		
Output Destination					•	Agent Username a Call Direction a Call Duration		
Select Update Data						→ Sequence Id → Start Time → Webflow Result → Webflow Result		
Select Insert Data						Vecturo Hessan Less Vecturo Hessan Less Parameters Customer Details Customer Details Vecturo Hessan Less Vecturo Hessan Less Vec	•	
				C	< Back	< Next > Finish Ca	incel	

Click **Finish**, to display the configured DB output action in the Scripted App design area.

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er D.,. 3) Request 3)	Request Selection	Brochure R., 2	City Break 3	DB Outputtest	CityBreak
<u><</u>					>

The selected call information, as collected in the Web Browser at run time, will subsequently be exported to the destination Database, inserting or updating records as specified.