

# Select\_Into Function

## Description

This function accepts an Rlist statement and returns the results of the statement in a specified format.

## Syntax

myVariable = Select\_Into( commands, format)

## Parameters

The function has the following parameters:

Parameter	Description
commands	A single LIST statement or a series of statements terminating in a LIST statement. The series may be delimited by an @fm, an @vm or a semi-colon (;).
format	The format of the returned result. The possible values are CSV, EDT, HTML, TAB and TEXT. See the chart below for details of return values.

## Returns

The returned results are dependent on the format parameter passed to the function.

Format	Returned Data
CSV	Returns the data as comma-delimited columns and carriage return / line-feed delimited rows.
EDT	Returns an @fm-delimited list of rows and @vm-delimited list of columns. To place the data in an edit table use the "LIST" property.
HTML	Returns the data in HTML format.
TAB	Returns the data as tab-delimited columns and carriage return / line-feed delimited rows.
JSON	Returns the data as a JSON string, useful for feeding AJAX grids.
XML	Returns XML useful for feeding a web service.
ADO	Returns an <dispatch> disconnected recordset object.
MV	Returns an @fm-delimited list of rows and @vm-delimited list of columns, with column headings. Useful for developers who want to do additional processing.
TXT	Same as TAB.

## Remarks

This function is available in OpenInsight 9.0.1 and above. It uses the RLIST callback feature. Rlist will truncate text that is too wide to fit in a column. You may need to use the JUSTLEN keyword to avoid truncating columns.

## See also

[RList](#)

## Example

```
/*
Example 1
A simple example of retrieving data via Select_Into() and
placing the results into an Edit table.
*/

edit_table = @window : ".TABLE_1"
vStmt = "LIST CUSTOMERS CUSTOMER_NAME CITY STATE WITH STATE = 'NJ' "
```

```

results = Select_Into( vStmt, "EDT" )
temp = Set_Property( edit_table, "LIST", results )

/*****

When this is run from the EXAMPLES application the results
in the edit table are:

6           Al Timiter           Highlands           NJ
15          Benjamin Dover       Little Falls       NJ
26          Karen Sympathy       Crymia River       NJ
2           Lee Tremble          Westwood           NJ
1           Mike Ruane           Westwood           NJ
4           Barry Truman         Westwood           NJ

*****/

*****/

/*
Example 2
A complex example of selecting and retrieving data.
The results will be returned in CSV format.  Write to disk as a csv file, should open in Excel automatically.
*/

vStmt = "SELECT CUSTOMERS WITH STATE = 'NJ' " : @fm
vStmt := "SELECT CUSTOMERS BY FNAME" : @fm
vStmt := "LIST CUSTOMERS CUSTOMER_NAME CITY STATE"

results = Select_Into( vStmt, "CSV" )
filename = "c:\temp\test.csv"
OsWrite results on filename
Call shellexecute(0,'Open':\\00\, filename:\\00\,'',1)

/*****

When this is run from the EXAMPLES application the results variable
should contain:

"AT_ID","CUSTOMER_NAME","CITY","STATE"
"6","Al Timiter","Highlands","NJ"
"4","Barry Truman","Westwood","NJ"
"15","Benjamin Dover","Little Falls","NJ"
"26","Karen Sympathy","Crymia River","NJ"
"2","Lee Tremble","Westwood","NJ"
"1","Mike Ruane","Westwood","NJ"

*****/

Sample Output for each format
-----
CSV
-----
"@ID","CUSTOMER_NAME","INV_NOS","CITY","STATE"
"9922","ARTURO PALM","","UNION","NJ"
"7424","BEN HASSETT","","LAFAYETTE","NJ"
"4612","BERNADETTE HULBERT","","PARAMUS","NJ"
"8220","CARLTON MEADORS","","VERNON","NJ"
"7518","CELINA SOLIZ","34","CEDAR BROOK","NJ"
"6270","CLARE MCNAMEE","","LAMBERTVILLE","NJ"
"10772","ESMERALDA CHRONISTER","","ESSEX FELLS","NJ"
"9830","EVANGELINA TRAPP","","LAFAYETTE","NJ"
"8170","HEATH STIVERS","","ELWOOD","NJ"
"8772","LOLA GRIER","","WESTWOOD","NJ"
"10418","MAYNARD GROTH","","BLOOMSBURY","NJ"
-----
TAB
-----
@ID CUSTOMER_NAME INV_NOS CITY STATE
9922 ARTURO PALM UNION NJ
7424 BEN HASSETT LAFAYETTE NJ

```

4612 BERNADETTE HULBERT PARAMUS NJ  
8220 CARLTON MEADORS VERNON NJ  
7518 CELINA SOLIZ 34 CEDAR BROOK NJ  
6270 CLARE MCNAMEE LAMBERTVILLE NJ  
10772 ESMERALDA CHRONISTER ESSEX FELLS NJ  
9830 EVANGELINA TRAPP LAFAYETTE NJ  
8170 HEATH STIVERS ELWOOD NJ  
8772 LOLA GRIER WESTWOOD NJ  
10418 MAYNARD GROTH BLOOMSBURY NJ

HTML

```
<html>
<body>
<table>
<tr><th>@ID</th><th>CUSTOMER_NAME</th><th>INV_NOS</th><th>CITY</th><th>STATE</th></tr>
<tr><td>9922</td><td>ARTURO PALM</td><td></td><td>UNION</td><td>NJ</td></tr>
<tr><td>7424</td><td>BEN HASSETT</td><td></td><td>LAFAYETTE</td><td>NJ</td></tr>
<tr><td>4612</td><td>BERNADETTE HULBERT</td><td></td><td>PARAMUS</td><td>NJ</td></tr>
<tr><td>8220</td><td>CARLTON MEADORS</td><td></td><td>VERNON</td><td>NJ</td></tr>
<tr><td>7518</td><td>CELINA SOLIZ</td><td>34</td><td>CEDAR BROOK</td><td>NJ</td></tr>
<tr><td>6270</td><td>CLARE MCNAMEE</td><td></td><td>LAMBERTVILLE</td><td>NJ</td></tr>
<tr><td>10772</td><td>ESMERALDA CHRONISTER</td><td></td><td>ESSEX FELLS</td><td>NJ</td></tr>
<tr><td>9830</td><td>EVANGELINA TRAPP</td><td></td><td>LAFAYETTE</td><td>NJ</td></tr>
<tr><td>8170</td><td>HEATH STIVERS</td><td></td><td>ELWOOD</td><td>NJ</td></tr>
<tr><td>8772</td><td>LOLA GRIER</td><td></td><td>WESTWOOD</td><td>NJ</td></tr>
<tr><td>10418</td><td>MAYNARD GROTH</td><td></td><td>BLOOMSBURY</td><td>NJ</td></tr>
</table>
</body>
</html>
```

EDT

9922ARTURO PALMYUNIONNJp7424BEN HASSETTYLAFAYETTEYNJp4612BERNADETTE HULBERTYPARAMUSYNJp8220CARLTON  
MEADORSYVERNONYNJp7518CELINA SOLIZY34CEDAR BROOKYNJp6270CLARE MCNAMEEYLAMBERTVILLEYNJp10772ESMERALDA  
CHRONISTERYESSEX FELLSYNJp9830EVANGELINA TRAPPYLAFAYETTEYNJp8170HEATH STIVERSYELWOODYNJp8772LOLA  
GRIERYWESTWOODYNJp10418MAYNARD GROTHYBLOOMSBURYYNJ

JSON

```
[{"AT_ID": "9922", "CUSTOMER_NAME": "ARTURO PALM", "INV_NOS": "", "CITY": "UNION", "STATE": "NJ"}, {"AT_ID": "7424", "CUSTOMER_NAME": "BEN HASSETT", "INV_NOS": "", "CITY": "LAFAYETTE", "STATE": "NJ"}, {"AT_ID": "4612", "CUSTOMER_NAME": "BERNADETTE HULBERT", "INV_NOS": "", "CITY": "PARAMUS", "STATE": "NJ"}, {"AT_ID": "8220", "CUSTOMER_NAME": "CARLTON MEADORS", "INV_NOS": "", "CITY": "VERNON", "STATE": "NJ"}, {"AT_ID": "7518", "CUSTOMER_NAME": "CELINA SOLIZ", "INV_NOS": "34", "CITY": "CEDAR BROOK", "STATE": "NJ"}, {"AT_ID": "6270", "CUSTOMER_NAME": "CLARE MCNAMEE", "INV_NOS": "", "CITY": "LAMBERTVILLE", "STATE": "NJ"}, {"AT_ID": "10772", "CUSTOMER_NAME": "ESMERALDA CHRONISTER", "INV_NOS": "", "CITY": "ESSEX FELLS", "STATE": "NJ"}, {"AT_ID": "9830", "CUSTOMER_NAME": "EVANGELINA TRAPP", "INV_NOS": "", "CITY": "LAFAYETTE", "STATE": "NJ"}, {"AT_ID": "8170", "CUSTOMER_NAME": "HEATH STIVERS", "INV_NOS": "", "CITY": "ELWOOD", "STATE": "NJ"}, {"AT_ID": "8772", "CUSTOMER_NAME": "LOLA GRIER", "INV_NOS": "", "CITY": "WESTWOOD", "STATE": "NJ"}, {"AT_ID": "10418", "CUSTOMER_NAME": "MAYNARD GROTH", "INV_NOS": "", "CITY": "BLOOMSBURY", "STATE": "NJ"}]
```

XML

```
<?xml version="1.0" encoding="UTF-8"?>
<rows>
<row>
<AT_ID>9922</AT_ID>
<CUSTOMER_NAME>ARTURO PALM</CUSTOMER_NAME>
<INV_NOS><CITY>UNION </CITY>
<STATE>NJ</STATE>
</row>
<row>
<AT_ID>7424</AT_ID>
<CUSTOMER_NAME>BEN HASSETT</CUSTOMER_NAME>
<INV_NOS><CITY>LAFAYETTE </CITY>
<STATE>NJ</STATE>
</row>
<row>
<AT_ID>4612</AT_ID>
<CUSTOMER_NAME>BERNADETTE HULBERT</CUSTOMER_NAME>
<INV_NOS><CITY>PARAMUS </CITY>
```

```

<STATE>NJ</STATE>
</row>
<row>
<AT_ID>8220</AT_ID>
<CUSTOMER_NAME>CARLTON MEADORS</CUSTOMER_NAME>
<INV_NOS><CITY>VERNON </CITY>
<STATE>NJ</STATE>
</row>
<row>
<AT_ID>7518</AT_ID>
<CUSTOMER_NAME>CELINA SOLIZ</CUSTOMER_NAME>
<INV_NOS>34</INV_NOS>
<CITY>CEDAR BROOK</CITY>
<STATE>NJ</STATE>
</row>
<row>
<AT_ID>6270</AT_ID>
<CUSTOMER_NAME>CLARE MCNAMEE</CUSTOMER_NAME>
<INV_NOS><CITY>LAMBERTVILLE </CITY>
<STATE>NJ</STATE>
</row>
<row>
<AT_ID>10772</AT_ID>
<CUSTOMER_NAME>ESMERALDA CHRONISTER</CUSTOMER_NAME>
<INV_NOS><CITY>ESSEX FELS </CITY>
<STATE>NJ</STATE>
</row>
<row>
<AT_ID>9830</AT_ID>
<CUSTOMER_NAME>EVANGELINA TRAPP</CUSTOMER_NAME>
<INV_NOS><CITY>LAFAYETTE </CITY>
<STATE>NJ</STATE>
</row>
<row>
<AT_ID>8170</AT_ID>
<CUSTOMER_NAME>HEATH STIVERS</CUSTOMER_NAME>
<INV_NOS><CITY>ELWOOD </CITY>
<STATE>NJ</STATE>
</row>
<row>
<AT_ID>8772</AT_ID>
<CUSTOMER_NAME>LOLA GRIER</CUSTOMER_NAME>
<INV_NOS><CITY>WESTWOOD </CITY>
<STATE>NJ</STATE>
</row>
<row>
<AT_ID>10418</AT_ID>
<CUSTOMER_NAME>MAYNARD GROTH</CUSTOMER_NAME>
<INV_NOS><CITY>BLOOMSBURY </CITY>
<STATE>NJ</STATE>
</row>
</rows>

```

ADO

ADO Recordcount = 11

MV

```

@IDpCUSTOMER_NAMEpINV_NOSPcITYpSTATEy9922pARTURO PALMpbUNIONpNJy7424pBEN HASSETTpLAFAYETTEpNJy4612pBERNADETTE
HULBERTpPARAMUSpNJy8220pCARLTON MEADORSbVERNONpNJy7518pCELINA SOLIZp34pCEDAR BROOKpNJy6270pCLARE
MCNAMEEpLAMBERTVILLEpNJy10772pESMERALDA CHRONISTERpESSEX FELSbNJy9830pEVANGELINA
TRAPPbLAFAYETTEpNJy8170pHEATH STIVERSpELWOODpNJy8772pLOLA GRIERpWESTWOODpNJy10418pMAYNARD
GROTHpBLOOMSBURYpNJ

```

TXT

```

@ID CUSTOMER_NAME INV_NOS CITY STATE
9922 ARTURO PALM UNION NJ
7424 BEN HASSETT LAFAYETTE NJ
4612 BERNADETTE HULBERT PARAMUS NJ

```

8220 CARLTON MEADORS VERNON NJ  
7518 CELINA SOLIZ 34 CEDAR BROOK NJ  
6270 CLARE MCNAMEE LAMBERTVILLE NJ  
10772 ESMERALDA CHRONISTER ESSEX FELLS NJ  
9830 EVANGELINA TRAPP LAFAYETTE NJ  
8170 HEATH STIVERS ELWOOD NJ  
8772 LOLA GRIER WESTWOOD NJ  
10418 MAYNARD GROTH BLOOMSBURY NJ