

# ibec\_ds\_Export

With this function, you can export datasets into an XML spreadsheet.

## Description

No additional description...

## Syntax

```
function ibec_ds_Export(Dataset : variant; ExportType : integer;  
                        FileName : string; Options : string) : integer;
```

The ibec\_ds\_Export function exports datasets created with SELECT ... AS DATASET statement into a number of various data formats.

ibec\_ds\_Export always returns 0.

## Parameters

Argument	Description
Dataset	A dataset created with SELECT ... AS DATASET statement.
ExportType	Type of export.
FileName	Name of result file.
Options	Set of export options.

## Export Types

__etXLS	Microsoft Excel; obsolete, use __etXMLspreadSheet instead.
__etTXT	Plain text.
__etCSV	Comma-separated values.
__etDIF	DIFF
__etSYLK	SYLK
__etHTML	HTML
__etXML	XML
__etDBF	DBF
__etXMLspreadSheet	XML spreadsheet.
__etJSON	JSON

## Options

<b>CurrencyFormat</b>	<b>Format string for currency fields.</b>
DateFormat	Format string for date fields.
DateTimeFormat	Format string for datetime fields.
TimeFormat	Format string for time fields.
FloatFormat	Format string for float/double precision fields.
IntegerFormat	Format string for integer fields.
ExportTextBlobs	Memo fields (text blobs) will be exported as regular strings if specified, otherwise they will be omitted.

## XML Options

<b>Encoding</b>	<b>Encoding of xml data (encoding attribute in &lt;?xml version="1.0" encoding="utf-8"?&gt;).</b>
StringAsText	If specified string data will appear in XML file as is, otherwise it will be MIME-encoded.
MemoAsText	If specified memo fields data will appear in XML file as is, otherwise it will be MIME-encoded.
DateTimeAsText	If specified date/time fields data will appear in XML file as is, otherwise it will be MIME-encoded.
ConvertToUTF8	Converts field data from ANSI to UTF8 before writing to XML file.

## TXT/CSV/DIF/SYLK/JSON options

<b>Readable</b>	<b>(JSON) Adds some extra spaces/CRLFs to make result file friendly readable.</b>
WriteBOM	(JSON/TXT/CSV) Writes UTF8 BOM into the beginning of result file.
OmitCaptions	Field captions will not be included in the result file if specified.
QuoteStrings	(CSV) String values will be quoted using double quote char (").
Delimiter	(CSV) Delimiter char (semicolon is used by default).

## HTML Options

<b>Encoding</b>	<b>Encoding of html data (charset attribute in &lt;META content="text/html; charset=utf8" http-equiv="Content-Type"&gt;).</b>
ConvertToUTF8	Converts field data from ANSI to UTF8 before writing to HTML file.

## XLS/XML spreadsheet options

<b>OmitCaptions</b>	<b>Field captions will not be included in the result file if specified.</b>
ConvertToUTF8	(XML SpreadSheet) Converts field data from ANSI to UTF8 before writing to result file.

It is possible to export data into XLSX format if XLS or XLSX export type is specified. There is no difference between XLS and XLSX export types.

## DBF Options

<b>ConvertToDOS</b>	<b>Data will be converted from ANSI to OEM encoding.</b>
LongStringsToMemo	Long strings (with length > 254 bytes) will be written as memos, otherwise they will be truncated to 254 bytes.
DateTimeAsDate	If specified datetime values will be exported as an 8-bytes string in the format YYYYMMDD, otherwise they will be converted to string using DateTimeFormat format.

### Example 1

```

execute ibeblock
as
begin
    ExportOptions = 'ConvertToUTF8;
                    DateTimeFormat="dd-mm-yyy hh:nn:ss";
                    DateFormat="dd-mm-yyyy";
                    TimeFormat="hh:nn:ss";
                    CurrencyFormat="$0.00";
                    IntegerFormat="0";
                    FloatFormat="0.0000";
                    ExportTextBlobs';

    try
        select * from rdb$relation_fields
        order by rdb$relation_name, rdb$field_position
        as dataset dsFields;

        ibec_ds_Export(dsFields, __etXMLSpreadSheet,
'D:\rdb$relation_fields.xml', ExportOptions);

        ibec_ShellExecute('open', 'D:\rdb$relation_fields.xml', '', '', 0);
    finally
        if (dsFields is not null) then
            ibec_ds_Close(dsFields);
    end;
end

```

### Example 2

```

select * from "Customer"
export as json into 'D:\MyData\customer.json'
options 'DateTimeFormat="dd-mm-yyy hh:nn:ss";
        DateFormat="dd-mm-yyyy";
        TimeFormat="hh:nn:ss";
        ExportTextBlobs;
        Readable;
        WriteBOM';

```

## Example 3

```
ExportOptions = 'DateTimeFormat="dd-mm-yyy hh:nn:ss";  
                DateFormat="dd-mm-yyyy";  
                TimeFormat="hh:nn:ss";  
                ExportTextBlobs;  
                Readable;  
                WriteBOM';
```

```
select * from "Customer" order by "CustNo" as dataset MyDS;  
ibec_ds_Export(MyDS, __etJSON, 'D:\MyData\customer.json', ExportOptions);  
ibec_ds_Close(MyDS);
```

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