

# EXPORT AS ... INTO

## Options

CurrencyFormat	Format string for currency fields.
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

Encoding	Encoding of xml data (encoding attribute in <?xml version="1.0" encoding="utf-8"?>).
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

Readable	(JSON) Adds some extra spaces/CRLFs to make result file friendly readable.
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

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

## XLS/XML spreadsheet options

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

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

## DBF Options

ConvertToDOS	Data will be converted from ANSI to OEM encoding.
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.

Export to JSON format is also supported (see examples 8 and 9 below).

## Examples of usage

1.

```
SELECT * FROM RDB$FIELDS
EXPORT AS HTML INTO 'E:\TestExport.html'
OPTIONS 'ColorShema=MSMoney; FontFace=Verdana';
Possible ColorSchemes are BW, Classic, ColorFull, Gray, MSMoney, Murky,
Olive, Plain, Simple.
```

2.

```
SELECT * FROM RDB$FIELDS
EXPORT AS XLS INTO 'E:\TestExport.xls'
OPTIONS '';
```

3.

```
SELECT * FROM RDB$FIELDS
EXPORT AS TXT INTO 'E:\TestExport.txt'
OPTIONS 'OmitCaptions';
```

4.

```
SELECT * FROM RDB$FIELDS
EXPORT AS CSV INTO 'E:\TestExport.txt'
OPTIONS 'OmitCaptions; Delimiter=";"';
```

5.

```
SELECT * FROM RDB$FIELDS
EXPORT AS XML INTO 'E:\TestExport.xml'
OPTIONS 'Encoding=windows-1251; MemoAsText; StringAsText';
```

6.

```
SELECT * FROM RDB$FIELDS
EXPORT AS DBF INTO 'E:\TestExport.dbf'
OPTIONS 'ConvertToDOS; LongStringsToMemo; DateTimeAsDate';
```

7. SELECT ... EXPORT AS supports export into an XML spreadsheet:

```
execute ibeblock
as
begin
  select * from rdb$relation_fields
  order by rdb$relation_name, rdb$field_position
  export as xmlexport into 'D:\rdb$relation_fields.xml'
  options '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';

  ibec_ShellExecute('open', 'D:\rdb$relation_fields.xml', '', '', 0);
end
```

8. SELECT ... EXPORT AS supports export to JSON format:

```
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';
```

9. SELECT ... EXPORT AS supports export to JSON format:

```
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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