KÜMPFLEIN
PROFESSIONELLE DV-LÖSUNGEN

iK·MTI/DAS
Direct Access Suite

Documentation

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Installation

Installation option 1: Automatic installation with Java installation tool

- Download installation tool: www.kuempflein.eu/mtidemo/MTIDemo.jar
- Java Version 6 or higher is required.
- For installation *SECADM and *ALLOBJ authority is required.
- *i*K▪MTI/DAS will be installed automatically. After the installation completes you will be asked whether you want to start the web server.
- After the web server has been started on your i Series the URL to the Excel® AddIn will be opened in your browser. You can save it or open it directly from there.
- To use *i*K▪MTI/DAS Macros need to be activated.
- **Important:** You will have to log on to the server on port 5656: **(name of server/IP address):5656**. User and password are both **mtidemo**.
- This process may take a few minutes when you log on for the first time.
- User MTIDEMO only has a minimal amount of authority to objects by default. To provide access to all data you need to give the user the required authorities in the following way:

```
CHGUSRPRF MTIDEMO SPCAUT(*ALLOBJ)
```

- After the test has been finished you should disable or delete user MTIDEMO:

```
CHGUSRPRF MTIDEMO STATUS(*DISABLED)
```

- If you would like to execute the AddIn later you can open it from the following URL: **www.(Server name/IP Address):5656/mtixml.xlam**
- Make sure that the web server has been started before opening the Macro. The command is:

```
STRTCPSVR SERVER(*HTTP) HTTPSVR(MTIDEMO)
```

Installation option 2: Manual installation with SaveFile on the AS/400

- Download the required Save File here: www.kuempflein.eu/mtidemo/MTIDEMOEN.SAVF .
- Log on to your AS/400 and make sure the user possesses the required *SECADM and *ALLOBJ authorities.
- Create a library MTIDEMO.
- Create a SaveFile MTIDEMO.SAVF in library MTIDEMO.
- Upload the MTIDEMO.SAVF just downloaded via FTP into library MTIDEMO.
- To install the required objects execute the following command:

```
RSTOBJ OBJ(*ALL)
SAVLIB(DST)
DEV(*SAVF)
SAVF(MTIDEMO/MTIDEMO)
RSTLIB(QTEMP)
```

- Run MTIDEMO.PGM in library MTIDEMO
- If the installation was successful the HTTP server can be started with the command

```
STRTCPSVR SERVER(*HTTP) HTTPSVR(MTIDEMO)
```

- Now you can open the AddIn from your web browser or save it. The URL is: **www.(Server name/IP address):5656/mtixml.xlam**.
- To use *i*K▪MTI/DAS Macros need to be activated.
- **Important:** You will have to log on to the server on port 5656: **(name of server/IP address):5656**. User and password are both **mtidemo**.
- This process may take a few minutes when you log on for the first time.
- User MTIDEMO only has a minimal amount of authority to objects by default. To provide access to all data you need to give the user the required authorities in the following way:

```
CHGUSRPRF MTIDEMO SPCAUT(*ALLOBJ)
```

- After the test has been finished you should disable or delete user MTIDEMO:

```
CHGUSRPRF MTIDEMO STATUS(*DISABLED)
```

- If you would like to execute the AddIn later you can open it from the following URL: **www.(Server name/IP Address):5656/mtixml.xlam**
- Make sure that the web server has been before opening the Macro. The command is:

```
STRTCPSVR SERVER(*HTTP) HTTPSVR(MTIDEMO)
```

Installation option 3: Automatic installation with installation CD

- Please e-mail us on info@kuempflein.eu or give us a call on +49 7152 352356 and request your free CD.

Execution

After installation you can test *i*K·MTI/DAS for 60 days. You can open it from the URL: www.(Servername/IP Adresse):5656/mtixml.xlam or save it locally. Please note that the http server has to be started:

```
STRTCPSVR SERVER(*HTTP) HTTPSVR(MTIDEMO)
```

Make sure Macros are activated.

The standard user details for the Excel® AddIn are the following:

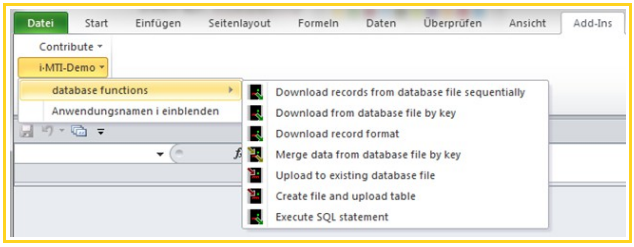
Server: (Your server name/IP address):5656 *Make sure to use port 5656!*

User ID: mtidemo

Password: mtidemo *or the password for user MTIDEMO if it has been changed*

Caution! This process may take a few minutes when the Macro is opened for the first time.

You will now find menu *i* ·MTI-Demo under Add-Ins.



The individual database functions are explained in the following chapters.

Enjoy Testing!

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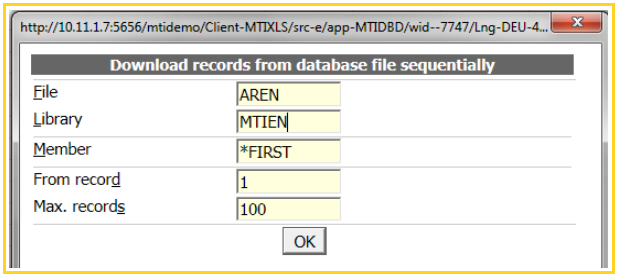
Database functions

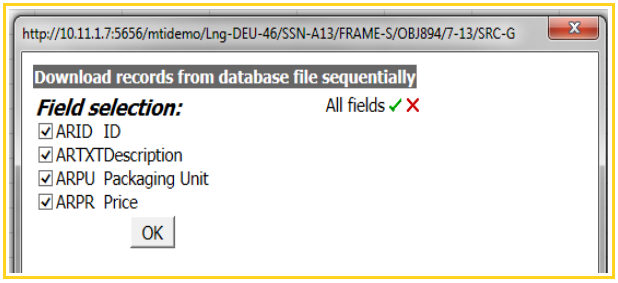
Download records from database file sequentially

This function allows you to download a certain number of records from a database file directly into a worksheet.

Select database file
You can select the database file you want to load into a worksheet by file name and library. "From record" specifies from which record on the file will be read. If the field is left blank the file will be read backwards from the last record on.
With "Max. records" the total number of records can be limited.



Select fields
✓ Select all fields
✗ Deselect all fields
☐ By ticking the checkboxes next to a field the individual field can be selected or deselected.



Result

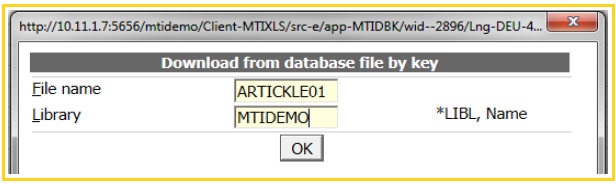
	A	B	C	D
	ARID/5,0I	ARTXT/49	ARPU/5,0I	ARPR/5,2P
1	**ID**	**Description**	**Packaging Unit**	**Price**
2	1001	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	500	17.99
3	1002	100w WATT LIGHT BULB	10	5.55
4	1003	Gaffer tape Silver 48mm x 50m	1	1.2
5	1004	DL White Envelopes	50	3.8
6	1005	25 BOARD BACKED ENVELOPE A4	25	2.5
7	1006	A6 Self Seal Legal Documents	100	4.59
8	1007	25 A4 Address Label Sheets 21 per Sheet	25	2.19
9	1008	Address Labels 63.5 x 38.1 mm for C6 Envelopes	40	5.9
10	1009	Highlighter Pens green	3	2.9
11	1010	Highlighter Pens yellow	3	2.9
12	1011	Highlighter Pens purple	3	2.9
13	1012	Highlighter Pens set (green, yellow, purple)	9	9.99

Download records from database file by key

With this function a database file can be loaded into a worksheet by key sequence.

Select database file

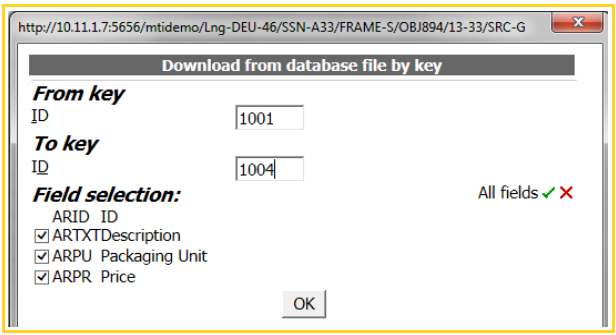
The file you specify needs to be a keyed database file.



Selection of fields and keys

To select the data specify the smallest and highest key value.
Your required fields can be selected in the following way:

✓ Select all fields
✕ Deselect all fields
☐ By ticking the checkboxes next to a field the individual field (apart from key fields) can be selected or deselected.



Result

	A	B	C	D
	ARID/5,0I	ARTXT/49	ARPU/5,0I	ARPR/5,2P
1	**ID**	**Description**	**Packaging Unit**	**Prize**
2	1001	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	500	17.99
3	1002	100w WATT LIGHT BULB	10	5.55
4	1003	Gaffer tape Silver 48mm x 50m	1	1.2

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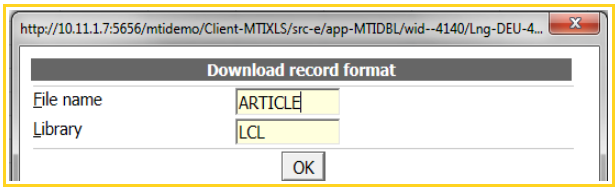
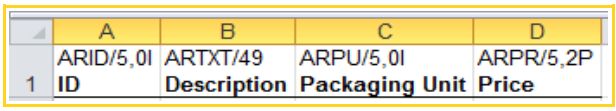
Download record format

This functions allows you to download a record format into a worksheet from an existing database file

Select database file Select database file and library	
Result Field name/Length,Type Column Heading	

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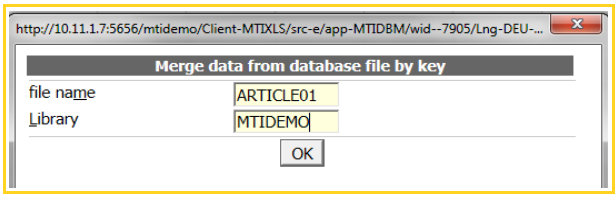
Merge data from database file by key

Merging is a special feature of *i*K•MTI/DAS. Contents from a database file can be inserted into an existing worksheet column-by-column by their common keys.

Existing worksheet
The value in the first row has to correspond with either the field name or the column heading of the key field in the database file.

	A	B	C
1	ID	stock level	minimum stock level
2	1001	135436	800
3	1002	13541	1000
4	1003	5143	50

Select database file
Select the file you would like to merge



Select fields
Select the fields to be merged in the following way:
- ✓ Select all fields
- ✗ Deselect all fields
- ☐ Select or deselect individual fields

Result
The fields selected from the database file are merged into the existing worksheet. In that way two tables can be combined.

	A	B	C	D	E
1	ID	stock level	minimum stock level	Description	Price
2	1001	135436	800	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	17.99
3	1002	13541	1000	100w WATT LIGHT BULB	5.55
4	1003	5143	50	Gaffer tape Silver 48mm x 50m	1.2

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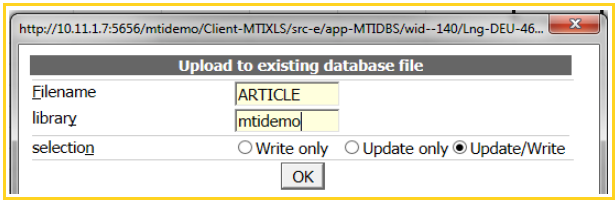
Upload to existing database file

With our AddIn records can be uploaded to a database file or existing records can be updated.

Worksheet
Start with the worksheet you wish to upload.
The column heading in the first row has to correspond with either the field name or the column heading of the key field in the database file.

	A	B	C	D
1	ARID	ARTXT	ARPU	ARPR
2	1001	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	500	17.99
3	1002	100w WATT LIGHT BULB	10	5.55
4	1003	Gaffer tape Silver 48mm x 50m	1	1.3
5	1004	DL White Envelopes	50	3.8
6	1005	25 BOARD BACKED ENVELOPE A4	25	2.5
7	1006	A6 Self Seal Legal Documents	100	5.5
8	1007	25 A4 Address Label Sheets 21 per Sheet	25	2.19
9	1008	Address Labels 63.5 x 38.1 mm for C6 Envelopes	40	5.9
10	3000	Highlighter Pens green	3	2.9
11	3001	Highlighter Pens yellow	3	2.9
12	3002	Highlighter Pens purple	3	2.9
13	3002	Highlighter Pens set (green, yellow, purple)	9	9.99

Selection of file
Select the file and library to update.
Furthermore you can specify whether you wish to write, update, or do both.



Result

	A	B	C	D	E
		ARID/5,0I	ARTXT/49	ARPU/5,0I	ARPR/5,2P
1		ID	Description	Packaging Unit	Price
2	No change!	1001	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	500	17.99
3	No change!	1002	100w WATT LIGHT BULB	10	5.55
4	Upd-RRN=3	1003	Gaffer tape Silver 48mm x 50m	1	1.3
5	No change!	1004	DL White Envelopes	50	3.8
6	No change!	1005	25 BOARD BACKED ENVELOPE A4	25	2.5
7	Upd-RRN=6	1006	A6 Self Seal Legal Documents	100	5.5
8	No change!	1007	25 A4 Address Label Sheets 21 per Sheet	25	2.19
9	No change!	1008	Address Labels 63.5 x 38.1 mm for C6 Envelopes	40	5.9
10	Put-RRN=13	3000	Highlighter Pens green	3	2.9
11	Put-RRN=14	3001	Highlighter Pens yellow	3	2.9
12	Put-RRN=15	3002	Highlighter Pens purple	3	2.9
13	Upd-RRN=15	3002	Highlighter Pens set (green, yellow, purple)	9	9.99

The records in row 4, 7 and 11 have been updated with the green border signalizing that the corresponding cells have been changed. Records 10,11 and 12 have been added to the database file.

Create file and upload table

With this function a new database file can be created from an existing worksheet and the contents be added.

Worksheet

Start with the worksheet that you wish to upload.

	A	B	C	D
	ARID/5,0I	ARTXT/49	ARPU/5,0I	ARPR/5,2P
1	**ID**	**Description**	**Packaging Unit**	**Price**
2	1001	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	500	17.99
3	1002	100w WATT LIGHT BULB	10	5.55
4	1003	Gaffer tape Silver 48mm x 50m	1	1.20
5	1004	DL White Envelopes	50	3.80
6	1005	25 BOARD BACKED ENVELOPE A4	25	2.50
7	1006	A6 Self Seal Legal Documents	100	4.59
8	1007	25 A4 Address Label Sheets 21 per Sheet	25	2.19
9	1008	Address Labels 63.5 x 38.1 mm for C6 Envelopes	40	5.90
10	1009	Highlighter Pens green	3	2.90
11	1010	Highlighter Pens yellow	3	2.90
12	1011	Highlighter Pens purple	3	2.90
13	1012	Highlighter Pens set (green, yellow, purple)	9	9.99

Column headings, field names and field types

The first line contains either

- Field name
- Field name/Length
- Column heading

The individual options will be explained in the following.

1. Option
1st row contains field name

The first row contains the name of the field.
Length and type of the field are established from the data. After a line break the heading may be defined, otherwise the heading will be equivalent to the field name.

Field name:

	A	B	C	D
1	**ARID**	**ARTXT**	**ARPU**	**ARPR**
2	1001	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	500	17.99
3	1002	100w WATT LIGHT BULB	10	5.55
4	1003	Gaffer tape Silver 48mm x 50m	1	1.3

Field name and heading:

	A	B	C	D
	ARID	**ARTXT**	**ARPU**	**ARPR**
1	**ID**	**Description**	**Packaging Unit**	**Price**
2	1001	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	500	17.99
3	1002	100w WATT LIGHT BULB	10	5.55
4	1003	Gaffer tape Silver 48mm x 50m	1	1.3

2. Option
1st row contains field name/length

The first row contains the name of the field as well as the length and field type.
After a line break the heading may be defined, otherwise the heading will be equivalent to the field name.

Field name/length

	A	B	C	D
1	**ARID/5,0I**	**ARTXT/49**	**ARPU/4,0B**	**ARPR/4,0B**
2	1001	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	500	17.99
3	1002	100w WATT LIGHT BULB	10	5.55
4	1003	Gaffer tape Silver 48mm x 50m	1	1.3

Field name/length and heading:

	A	B	C	D
	ARID/5,0I	**ARTXT/49**	**ARPU/4,0B**	**ARPR/4,0B**
1	**ID**	**Description**	**Packaging Unit**	**Price**
2	1001	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	500	17.99
3	1002	100w WATT LIGHT BULB	10	5.55
4	1003	Gaffer tape Silver 48mm x 50m	1	1.3

Possible field types

Field type	Length,positions after decimal points	Field name	Syntax
Character field	80	ARTXT	ARTXT/80 or ARTXT/80A
Decimal zoned	9,2	ARPRS	ARPRS/9,2S

Decimal packed	9,0	ARVE	ARVE/9,0P
Binary Integer	4,0 5,0	ARID ARID	ARFIRM/4,0B ARFIRM/4,0I

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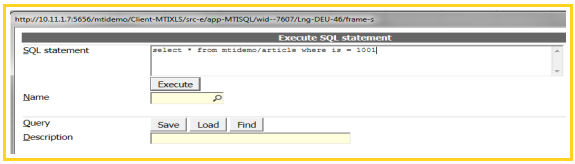
Execute SQL statement

For a maximum of flexibility you may execute any SQL statement and load the results into a worksheet

SQL Command



Result

	A	B	C	D
1	ID	Description	Packaging Unit	Price
2	1001	Plain paper - white - A4 (210 x 297 mm) - 80 g/m2	500	17.99