

StartExcel

StartExcel utility - Automatic (periodical) report export

Automatic export allows to periodically (or when an event occurs) activate a workbook (report) saved on hard disk as an .xls file, to evaluate it and then to save active sheet as a new .xls file in defined directory.

The automatic export can be executed by means of the utility **StartExcel** (the file *startexcel.exe* placed in the subdirectory **Bin** of the [installation directory](#)) run with the following parameters:

Declaration	startexcel [/Q] [/I] [/D] fullXlsPath [StartMakro [param1 .. paramN]] specifically for automatic export: startexcel [/Q] [/I] [/D] fullXlsPath StartParams EXP	
Parameters	/Q	Enables writing of possible errors into the log file (startexcel.log) and terminating the utility StartExcel if any errors occur.
	/I	Runs the MS Excel as visible. Optional parameter. This parameter is not recommended to use on the operating systems MS Server 2008, MS Vista and Windows 7 if the parameter is started as service (e.g. SELF.EVH started as service).
	/D	Enables writing the debug information including the list of parameters, which were entered when its starting, into log file.
	fullXlsPath	Full path to report (workbook).
	StartMacro	Optional name of the macro in the document, that is to be executed.
	param1 .. paramN	Optional parameters of the macro StartMacro .
	StartParams	Name of macro in the report, that will execute its data export.
	EXP	Parameter of the macro StartParams specifying that export of data is to be performed.
Description	The utility StartExcel runs the MS Excel. If the parameter /I is defined, the MS Excel will be opened as visible. If the parameter /Q is entered, any errors will be written into the file <i>startexcel.log</i> and the utility StartExcel will be terminated. Then a workbook specified by the parameter <i>fullXlsPath</i> will be opened and it will call the macro StartParams with the parameter EXP . The macro must be implemented in the workbook (if the workbook has been created from the template D2000_WorkBook.xlt , the macro is already included in it). The workbook is automatically logged on to the D2000 system according to logon parameters (USER_NAME , PASSWORD , SERVER), it evaluates itself and a saves a copy of the active sheet into a new file defined, whose name is defined in the cell EXPORT_FILE_NAME . By default, the cell is filled with an expression that adds the date and time to the workbook name. In the application, it is necessary to change the directory destined for exported reports. By default, it is set to C:\Reports . Report evaluation is executed by setting the times of the cells D2000_BT a D2000_ET to the current time.	

Note:
Periodic (or using any start trigger) export can be performed using ESL script as follows:

- create an object of [Event](#) type, that is to be started when there is needed to create an export (e.g. periodically)
- source code of the event:

```
INT _ret
TEXT _txtMsg
TEXT _report = "c:\Reports\test1.xls"

; report export with 50 seconds timeout
_ret := RUN "startexcel.exe" SYNC " " + _report + " StartParams EXP" TIMEOUT 50
IF _retVLD THEN
IF _ret = _ERR_TIME_OUT THEN
    _txtMsg := "TIMEOUT for report export"
ELSE
    _txtMsg := "Export ExitCode = " + %IToStr(_ret)
IF _ret = 0 THEN
    _txtMsg := _txtMsg + " OK"
ELSE
IF _ret = 1 THEN
    _txtMsg := _txtMsg + " Init Ole Error"
ELSE
IF _ret = 2 THEN
    _txtMsg := _txtMsg + " Start Excel Error"
ELSE
IF _ret = 3 THEN
    _txtMsg := _txtMsg + " Open Report Error"
ELSE
IF _ret = 4 THEN
    _txtMsg := _txtMsg + " Run Macro Error"
ELSE
    _txtMsg := _txtMsg + " Unknown Error"
ENDIF
ENDIF
ENDIF
ENDIF
ENDIF
ENDIF
ELSE
```

```

_txtMsg := "Attempt to run startexcel.exe has failed"
ENDIF

```

```

LOG _txtMsg, SysTime
END

```

When attempting to export any data, the return value of the action **RUN** is handled, along with writing the export status to the [log database](#).

Automatic export run can be set by using the system service **Scheduled Tasks** (Windows NT or 2000). The service allows to perform (run) periodically given program.

Required setting of the parameters for automatic export:

	A	B	C	D	E
1	User name	name			
2	Password	password			
3	Name of D2000 Server computer	srvName			
4	Description for log database	any description			
5	Report for HI process	FALSE			
6	D2000_BT	23/4/2004 14:06:15.000			
7	D2000_ET	23/4/2004 14:06:15.000			
8	D2000_TEXT				
9	D2000_NUM1				
10	D2000_NUM2				
11	Filename for export	C:\Reports\D2000_WorkBook1_2004_4_23_14_6_15.xls			
12					
13	Missing value when reading from archive				
14					

Important cells are the cells B1, B2 and B3. The value of the cell B5 must be FALSE, the cell B11 represents a filename, which the export will be saved into. If the files already exists, they will be overwritten.