





# Manual i4Spool

## Exposé

This document explains the commands and parameters in the product i4Spool





In this manual the following commands are documented one by one:

- + I4SPOOL
- + AGSPLF
- + AGFTP
- + AGUNZIP
- + AGZIP
- + I4MAILSE
- + I4MATT
- + I4SPOOLPC
- + I4SPOOLRST
- + I4SPOOLSAV
- + I4SPPCL
- + I4SRESETNS





#### Command: I4SPOOL

Converts a spool file into a typical PC format like PDF, HTML, TEXT, TIFF. Output of this file is written into the IFS.

SPOOLFILE	spooled file name	,		
	Specifies the nam	Specifies the name of the spooled file whose data records are to be converted.		
	*COLLECTED	Instead of a certain Spoolfile this refers to all collected spools so far. Refers to TOSTMF(*COLLECT)		
JOB	Job			
	records are to be	lified name of the job that created the spooled file whose data converted. The name of the user of the job that created the number of the job that created the spooled file Possible input 99999		
SPLNBR	spoolnumber			
	Specifies the num *LAST, *ONLY	ber of the print file in the spool. Possible values: 1-999999,		
	*ONLY	There is only one Spoolfile with that name with the giver job.		
	*LAST	The last one found for the given Job and Name.		
SPOOLTYPE	Spooled file Type			
	Specifies the spool type. This parameter is very important because of the significant influence by the conversion process *SCS SCS Type of Spoolfile			
	*IPDS	Spoolfile with IPDS Data. Special content like barcodes getting lost while processing. We recommend to use AFPDS instead.		
	*AFPDS	Spool with AFP datastream		
	*AUTO	Automatic recognition		





TOSTMF	file, (in the desired PC AS/400. The output st subdirectories have to created.Depending on	e name and access path of the created output stream C-format) within the Integrated File System (IFS) of the ream file receives the converted values. All be specified. Non-existing subdirectories will not be the parameter OVRWRT existing output stream files will rise, the output stream file will be created automatically. Ing/sample.pdf Collect the spoolfile and process it later together with others into one output file. Refers to SPOOLFILE(*COLLECTED)	
I4CLIENT	Start i4Client Controls the communication with the free Windows-Client i4Client This can be used after the generation of the Excel table for starting a download in the temporary windows-directory and for opening the table with Excel. *LOCAL A transfer on the local PC will be started.		
	*NONE	i4Client will not be used.	
	*LOCALSUI	Special mode for infor's BRAIN AS	
	*WEB	For Browser-Detection (i.e. GOERING-UX)	
I4CTYPE	Type of i4Client		
	Type/Version of i4Client or i4Client.NET		
	*CLASSIC	Classic i4Client (before .NET)	
	*NET	i4Client.NET, to be used for Windows 7 and higher. Needs a special licence. Ask your software partner!	
I4CACTION	What to do		
	The specification, which action ought to be run by i4Client. This action is always subsequent to the generation. *VIEW i4Client load and display the file on the PC.		
	*EDIT	Open the file in EDIT mode	
	*PRINT	the printout will carried out at the standard printer	





EMAILTO	eMail receipient	
	Specifies the com	plete e-mail address that the output fileis to be sent to.
	*NONE	No value passed
	*GROUP	Mail is sent to a group of recipients. The name of the group must be provided with the parm EGROUP.
	*MULTI	The file should sent together with others. For this case provide a unique key for the Attachment Group with the parm ATTKEY. The send action is performed followed by another call to iExcelGen (or an other product of the GOERING product line) by referring to the Attachment Group.
	*USRDFT	The sender is determined with key "User Profile" from the file I4MUSP
	*SPLUSRDFT	The user is determined from the Spool file attributes.
EGROUP	eMail Group	
	-	ail groupname. All e-mail addresses, which are attached to file I4MUSP), will received an e-mail.
EMAILFROM	Sender eMail Add	ress
	The name of the s	sender, if the converted file is to be sent to an addressee.
	*DFT	Declaration as setup.
	*USRDFT	In this case, the name of the sender (from the file I4MUSP) will be ascertained with the key USRPRF.
	*SPLUSRDFT	The user profile that created the spool determines the address
EMAILCOPY	CC eMail-Address	3
	The name of the C	CC addressee.
	*DFT	Declaration as setup
	*SENDER	The sender will received a copy.
	*NONE	No copy will be created.





MAILTITLE	eMail Title				
	Specifies the title	Specifies the title (subject) of an e-mail.			
	*FILE	The name of the Excel file will be inserted.			
MAILBODY	eMail-Body				
	•	ne of an e-mail body file. This conforms a file member of the , which be edited with STRPDM and SEU. The member DEFAULT from the source file I4MAILBODY is used.			
MESSAGE	Message				
	specified character	n include the two variables &MSG and &MS2. From the 160 ers in this parameter, 80 characters will be used to fill in these bear in the body of the message. No value passed			
FAX	eMail-to-Fax				
	Specification, if th	ne special fax processing of i4Spool will be applied.			
	*NO	Not Fax mode			
	*YES	Fax Mode, the Faxnumber is provided at EMAILTO			
	*SIGN	Digital Sign of the eMail attachement			
FAXREF	Fax Reference ID	)			
	The Fax provider	sends back this reference id with a status message.			
	*NONE	No value passed			
NOTIFY	eMail Notification				
	opens the e-mail,	eipt of an e-mail will be asked for. As soon as the addressee the sender receives an confirmation. This depends on the dressee because an confirmation may not be desired. Notification will be requested			
	*NO	No notification requested.			





KILLFILE	Delete File after ser	nding	
	Specifies if the converted file (that was sent as an e-mail attachment) is to be deleted after its transmission.		
	*ALLWAYS	(Default value) The converted file will be deleted after its transmission. The deletion will be executed even if the transmission was interrupted by the intermediate occurrence of an error.	
	*IFSENDED	The converted file will be deleted only after an error-free transmission is completed.	
	*NO	The transmitted file will not be deleted after its transmission.	
ENCRSCHEME	Scheme for the file	encryption	
	Assigns, which Sch	eme is to be usedRefers to file I4SENP	
	*NONE	No value passed	
ATTKEY	Attachment Key		
	Refers to a list of at	tachements that can be sent together by one eMail	
COLLECTID	COLLECT Id		
	Id for COLLECT Feature. Can be used to provide a certain collection id, like customer id or account id etc. This is especially a good feature if you go to collect spools over more then one job. If the collection is done within one and only job, you can use the *JOB special value. *JOB Use Job for collecting		
PWDUSER	User password		
	Password for the U	ser.	
	*NONE	No value passed	
PWDMASTER	Master password		
		wner/Master of the Document. Only with this Password can be changed later. Uses the simple password and just adds an "X" to it.	





STMFTYPE		Specified the Type of the output stream file. This parameter is very important because of the significant influence by the conversion process.		
	*PDF	PDF File to be created.		
	*TIF	Output in TIFF File (This is only valid for AFPDS Spool Files)		
	*HTML	Output in HTML file (with page seperators)		
WSCST	Workstation Cust	Workstation Customizing Object		
	Name of a conve or PDF	rtion Table to be used when convert AFPDS Spools to TIFF		
STYLE	Style to use			
		at Style to assign the placement of graphics which are PDF file. The style can be defined from the I4SPOOL Menu No value passed		
	*SELECT	Shows a list of Styles in a popup at runtime.		
FORMPITCH	Form Pitch			
	-	pitch when converting AFPDS-type spoolfiles. This is ed, when the picture is appearing not in the right sizes. Have a SFFP No value passed		
PICVAR	Variable Key for I	Picture		
	-	with a variable image path at the Image table. Sample: G/\$PIC\$.JPG (the \$PIC\$ will be replaced with the content No value passed		





OVRWRT	Overwrite existing file		
	Specifies if an output file located in the same path with the same name and extension will be overwritten. The contents of the previous output file will be deleted.		
	*YES	The receiving output file, which will be found with the same name under the declared IFS path, will be overwritten. The content of the output file will be deleted before IXLSGEN initiates the conversion. The former content of the output file can not be recovered if IXLSGEN ends due to occurring errors during the conversion process.	
	*NO	An existing output file will not be overwritten or replaced and the initiated conversion will be terminated by sending an error message.	
DLTSPL	Delete spool after process		
	Specifies wether the S	Spool file should purged after processing.	
	*YES	The file will be purged after processing.	
	*NO	The file remain in the OUTQ.	
PAPER	Format of Paper		
	Specifies the paperfor	mat.	
	*A4	DIN A4	
	*LETTER	US Letter	
	*FAX	FAX Format	
	*OTHER	Other format. See DTAARA I4SOFH (height pixels), I4SOFW (width pixels), I4SOFL (page length in lines), I4SOFC (page width in chars).	
PAGORTN	Orientation		
	Controls if the PDF output file should be generated *PORTRAIT or *LANDSCAPE format.		
	*PORTRAIT	Portrait format	
	*LANDSCAPE	Landscape Format	
	*AUTO	Automatic Detection	





#### PAGORTN

	*PORT80	Portrait Format with 80 Chars
ROTATE	Rotate Rotate Page *NONE	No value passed
FONTSIZE	Fontsize Controls the Font size *AUTO *CPI *CALC	Э.
EMBFONT	Embed Font Id Important to support n *AUTO	non-Latin character sets, like eastern europe characters. Automatic determination by CCSID, i.e. COURTRK for CCSID 1026 (Turkey), COURBLG for CCSID 1025 (Bulgarian).
MARGIN	Margin Margin *AUTO	
SCSPLUS		ort se of different CPI sizes within one SCS Spool file. Set ou run into problems while converting SCS Spools.





TFRTBL	Transfer Table For the convertion we use an Transfer Table from QUSRSYS. Usually this will assigned automatically by *CHRID. Overwrite this parm if you need it for special purpose. *CHRID
CCSID	CCSID
	For using certain CCSID *PCASCII
	*ISOASCII
INTERNAL	Internal Usage
	*YES: internal call by i4OUTQ *NO
	*YES
PAGES	Pages when internal
	Only for internal usage with i4OUTQ.
PAGEFROM	Defines the page to start convertion on.
PAGETO	Defines the page where convertion should end.
USER	User
	User





NUMBER	Number
	Number
ENCRYPT	File encryption
	Assigns wether the generated PDF-Document should be encrypted.





#### Command: AGSPLF

USER	User name	
	Spool files of this use	r will be shown
	*CURRENT	Current User
	*ALL	All User (no filter on user)
ουτα	OUTQ	
	OUTQ to list spools fr	rom
	*ALL	All (no filter)
FORMTYPE	Form Type	
	Spool Form Type to s	show in list
	*ALL	All (no filter)
	*STD	Standard
USERDATA	User Data	
	User Data to filter the	list
	*ALL	All (no filter)
JOBNAME	Job Name	
	Job name to select	
	*ALL	All (no filter)
	*	Current Job
JOBNUM	Job Number	
	Job Number to select	
	*ALL	All (no filter)





FROMDT	From Date	
	Select FROM Date,	to be entered in Format of current job without delimiters.
	*ALL	All (no filter)
TODAT	To Date	
	Select TO Date, to b	e entered in Format of current job without delimiters.
	*ALL	All (no filter)
FILENAME	File name	
	File name to filter	
	*ALL	All (no filter)
PROCESS	Process Method	
	Command can be us it pushs the data into *DIALOG	sed in Dialog (most usual) and in a integrated Mode where a DTAQ. Dialog (normal mode with subfile etc.)
		Ű (
	*DIALOGQ	Dialog with DTAQ (normal mode with subfile etc. plus Data are send into DTAQ)
	*DTAQ	Data are written into DTAQ
DTAQ	DTAQ for internal us	e
		let the command AGSPLF put all the entries into a certain Il for own programming.





#### Command: AGFTP

The command AGFTP has the following parameters:

WHAT	Send or receive *PUT *GET	Transfer FROM IBM i TO other System Transfer TO IBM i FROM other System
FROMDIR	From Directory The PATH from wher	e the file is to be transfered
FROMFILE	File to be transfered	
TODIR	Target Directory Directory at the targe	t System where the file is to be transfered to
TOFILE	Filename at target Filename at target sy *SAME	stem. Use *SAME if you dont want to rename name. File name is not changed (same as FROM file)
TYPE	Transfer Type Dependend on the file *BINARY *ASCII	e type and system type transfer can be binary or ascii Binary Transfer, no convert to be performed. Convert to ASCII





The command AGFTP has the following parameters:

RMTSYS	Remote System Name of Remote Syst *INTNETADR	em Use this in case the system cant accessed by it's name
INTNETADR	IP Address IP Address of the rem remote system.	ote System. Use this if you cant use the name of the
USRID	User ID User ID at remote sys	tem
PASWRD	Password Password at remote s	ystem





## Command: AGUNZIP

The command AGUNZIP has the following parameters:

INPUTFILE	Input File name		
	Name of the input	Name of the input file to get from the zip archive	
	*ALL	All Files are unpacked.	
ARCFILE	Archive file name		
	Name of a ZIP arc	chive file	





## Command: AGZIP

INPUTFILE	Input File name Name of the input file to pack into the zip archive	
ARCFILE	Archive file name Name of a ZIP archiv	e file
ACTION	File Action Action in case of file a *ADD *REPLACE *CANCEL	already there Add File to archive Replace file in Archive Cancel Operation in case file already there





## Command: I4MAILSE

The command I4MA	ILSE has the following parameters:
FROM	Sender eMail Address The name of the sender, if the converted file is to be sent to an addressee.
то	eMail Adressee Specifies the complete e-mail address that the output file is to be sent to.
GROUP	eMail Group Specifies the e-mail groupname. All e-mail addresses, which are attached to this group (in the file I4MUSP), will receive an e-mail.
СС	CC eMail-Address The name of the CC addressee. *SENDER *NONE
SUBJECT	eMail Title Specifies the title of an e-mail//This Parameter is mandatory.
MAILBODY	eMail-Body Specifies the name of an e-mail body file. This conforms a file member of the file I4MAILBODY, which be edited with STRPDM and SEU. DEFAULT The member DEFAULT from the source file I4MAILBODY is used.





ATT	Attachment	Attachment			
	IFS-Path of an f	IFS-Path of an file to be attached.			
MULTIKEY	Key Attachment	-			
	The name for an together in one *NONE	n attachment group which is used to group multiple files package. No value passed			
NOTIFY	eMail Notificatio	n			
NOTIFI		ceipt of an e-mail will be asked for. As soon as the addressee			
	opens the e-ma	il, the sender receives an confirmation. This depends on the ddressee because an confirmation may not be desired. Notification requested.			
	*NO	No notification.			
MESSAGE	Message				
	specified charac	an include the two variables &MSG and &MS2. From the 160 cters in this parameter, 80 characters will be used to fill in these opear in the body of the message. No value passed			
SFXMODE	Special Feature	Mode			
	Belongs to some etc.	e special features, like FAX, SMS, eInvoicing with Signature			
	*NONE	No value passed			
	*SIGN	Digital Sign Mode			
	*FAX	Fax Mode			
	*SMS	SMS Mode			





SIGSUB		Subject for signed Mail Subject that is used for the signed Mail (the one that the Signature-Provider uses)	
SIGSEN	Sender for signed Sender eMail tha	d Mail t is used for the signed Mail.	
KILLFILE	deleted after its to *ALLWAYS	onverted file (that was sent as an e-mail attachment) is to be ransmission. (Default value) The converted file will be deleted after its transmission. The deletion will be executed even if the transmission was interrupted by the intermediate occurrence of an error.	
	*IFSENDED *NO	The converted file will be deleted only after an error-free transmission is completed. The transmitted file will not be deleted after its transmission.	





## Command: I4MATT

ΑΤΤΚΕΥ	Attachment Group The name for an att together in one pac	achment group which is used to group multiple files kage.
ATTACHMENT	Attachment path na Name of a File/Path	
KILLFILE	deleted after its tran *ALLWAYS	verted file (that was sent as an e-mail attachment) is to be ismission. (Default value) The converted file will be deleted after its transmission. The deletion will be executed even if the transmission was interrupted by the intermediate occurrence of an error.
	*IFSENDED *NO	The converted file will be deleted only after an error-free transmission is completed. The transmitted file will not be deleted after its transmission.
MODE	Mode	
	Mode for maintain *WRITE	Add entry to list
	*DELETEALL	Clear list
	*DELETE1	Remove one entry





## Command: I4SPOOLPC

The command I4SPOOLPC has the following parameters:

TOSTMF

I4CLIENT		
	*LOCAL	
	*WEB	
	*NONE	No value passed
I4CACTION		
	*VIEW	
	*EDIT	
	*PRINT	





## Command: I4SPOOLRST

SAVF	SPOOLSAV
Ουτα	*SAME
CPYUSER	*SAME *CURRENT
CPYNAME	*SAME *JOBNAME *USER
CPYDTA	*SAME
FORMTYPE	*SAME *STD
LPI	*SAME 6





#### LPI

8
3
4
7.5
7,5
9
12

#### CPI

*SAME
10
5
12
13.3
13,3
15
16.7
16,7
18
20

#### FONT

*SAME	
*CPI	





PAGRTT	
	*AUTO
	*DEVD
	*COR
	*SAME
	0
	90
	180
	270
DRAWER	
	*SAME
	*E1
DUPLEX	
	*SAME
	*YES
	*NO
	*TUMBLE
	*FORMDF
OUTBIN	
	*SAME
	*DEVD
HOLD	
	*SAME





HOLD	
	*YES
	*NO
SAVE	
	*SAME
	*YES
	*NO





## Command: I4SPOOLSAV

The command I4SPOOLSAV has the following parameters:

SPOOLFILE	QSYSPRT
JOB	*
SPLNBR	*ONLY *LAST
SAVF	SPOOLSAV
DELETE	*YES *NO

#### TGTRLS

\*CURRENT \*PRV





#### Command: I4SPPCL

FILE	filename input Specifies the name of the external defined data base file whose data records are to be converted into Microsoft Excel format.datory. Only physical and logical files with one format may be specified. This parameter is mandatory.
MBR	Member
	Specifies the database file member name that is to be converted
	*FIRST The first member (in the order of creation date) in the previous specified database file is to be converted.
TOSTMF	To PC readable file
	Specifies the complete name and access path of the created output stream file, (in the desired PC-format) within the Integrated File System (IFS) of the AS/400. The output stream file receives the converted values. All subdirectories have to be specified. Non-existing subdirectories will not be created.Depending on the parameter OVRWRT existing output stream files will be overwritten.Otherwise, the output stream file will be created automatically. Sample: /home/goering/sample.pdf
OPTION	
STAMP	
PCLENGINE	*LOCAL





I4CACTION	What to do		
	The specification, which action ought to be run by i4Client. This action is always subsequent to the generation. *CVT		
	*PRINT	the printout will carried out at the standard printer	
EMAILTO			
	Specifies the con	nplete e-mail address that the output fileis to be sent to.	
	*NONE	No value passed	
	*GROUP	Mail is sent to a group of recipients. The name of the group must be provided with the parm EGROUP.	
	*MULTI	The file should sent together with others. For this case provide a unique key for the Attachment Group with the parm ATTKEY. The send action is performed followed by another call to iExcelGen (or an other product of the GOERING product line) by referring to the Attachment Group.	
	*USRDFT	The sender is determined with key "User Profile" from the file I4MUSP	
EGROUP	eMail Group		
	-	nail groupname. All e-mail addresses, which are attached to file I4MUSP), will received an e-mail.	
EMAILFROM	Sender eMail Ad	dress	
	The name of the	sender, if the converted file is to be sent to an addressee.	
	*USRDFT	In this case, the name of the sender (from the file	
	*SPLUSRDFT	I4MUSP) will be ascertained with the key USRPRF.	
EMAILCOPY	CC eMail-Addres	S	
	The name of the	CC addressee.	
	*DFT	Declaration as setup	





EMAILCOPY		
	*SENDER	The sender will received a copy.
	*NONE	No copy will be created.
MAILTITLE	eMail Title	
	Specifies the title of a	
	*FILE	The name of the Excel file will be inserted.
MAILBODY	eMail-Body	
	-	f an e-mail body file. This conforms a file member of the ich be edited with STRPDM and SEU.
	*DEFAULT	The member DEFAULT from the source file
		I4MAILBODY is used.
MESSAGE	Message	
	specified characters i	lude the two variables &MSG and &MS2. From the 160 n this parameter, 80 characters will be used to fill in these in the body of the message.
	*NONE	No value passed
FAX	eMail-to-Fax	
	Specification, if the sp *NO	pecial fax processing of i4Spool will be applied.
	*YES	
	*SIGN	
FAXREF	Fax Reference ID	
	The Fax provider sen *NONE	ds back this reference id with a status message. No value passed





NOTIFY	opens the e-mail,	Specifies if a receipt of an e-mail will be asked for. As soon as the addressee opens the e-mail, the sender receives an confirmation. This depends on the settings at the addressee because an confirmation may not be desired. *YES		
KILLFILE	Delete File after se	ending		
	Specifies if the con deleted after its tra *ALLWAYS	nverted file (that was sent as an e-mail attachment) is to be ansmission. (Default value) The converted file will be deleted after its transmission. The deletion will be executed even if the transmission was interrupted by the intermediate occurrence of an error.		
	*IFSENDED	The converted file will be deleted only after an error-free transmission is completed.		
	*NO	The transmitted file will not be deleted after its transmission.		
ATTKEY	Attachment Key			
	Refers to a list of a	attachements that can be sent together by one eMail		
OVRWRT	Overwrite existing	file		
	-	Specifies if an output file located in the same path with the same name and extension will be overwritten. The contents of the previous output file will be deleted		
	*YES	The receiving output file, which will be found with the same name under the declared IFS path, will be overwritten. The content of the output file will be deleted before IXLSGEN initiates the conversion. The former content of the output file can not be recovered if IXLSGEN ends due to occurring errors during the conversion process.		
	*NO	An existing output file will not be overwritten or replaced and the initiated conversion will be terminated by sending an error message.		





PAPER	Format of Paper
	Specifies the paperformat.
	*A4
	*LETTER
	*FAX
	*OTHER
PAGORTN	Orientation
	Controls if the PDF output file should be generated *PORTRAIT or *LANDSCAPE format. *AUTO
	*LANDSCAPE
	*PORTRAIT
	*PORT80
MARGIN	
	*AUTO
TFRTBL	Transfer Table
	For the convertion we use an Transfer Table from QUSRSYS. Usually this will assigned automatically by *CHRID. Overwrite this parm if you need it for special purpose. *CHRID





## Command: I4SRESETNS

The command I4SRESETNS has the following parameters:

USER