How to export a spool file from an AS/400 and export to a Windows PC

This instruction manual is intended for customers working with AS/400 host systems and Lexmark printers capable of printing from an AS/400 server.

In particular, this will help inform a customer or user how they can store a spool file into an output queue (OUTQ) and store the OUTQ to a save file (SAVF) and then export from the AS/400 server to a Windows PC.

When to Use

Gathering of spool files may be requested during the following scenarios:

- 1. When customer is not able to provide valid network trace
- 2. Problem is not reproducible if not printed from host

Requirements

- 1. AS/400
- 2. PC attached to same network as AS/400

Reference

This document is based on the existing IBM document entitled "Saving an Output Queue with SPLFDTA(*ALL) to Send Spooled Files to Software Support": <u>http://www-</u>

01.ibm.com/support/docview.wss?uid=nas1a2e7d5fb7c711ada8625713e00559be1.

1. Prepare the SAVF

- a. On a PC, open IBM System i Access for Windows.
- b. Start a session with the AS/400 server where spool file to be exported is located.
- c. Create a save file and save the spool file to the SAVF. To do this, follow the instructions in the screenshots below:



3 Session A - [24 x 80]	
<u>File Edit View Communication Actions Window H</u> elp	
MAIN System i Main Menu	Sustant MONCO
Select one of the following:	System: MHNGO
 User tasks Office tasks General system tasks General system tasks Files, libraries, and folders Programming Communications Comfine or change the system Problem handling Display a menu Information Assistant options 	
11. System i Access tasks Open the OUTQ where the spool	I file to be exported is
90. Sign off located. Use the command:	
Selection or command ===> wrkoutg IPDS400 wrkoutg [name of s	ource OUTQ]
F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Inform F23=Set initial menu	ation Assistant
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De Ses	sion A - [2	24 x 80]				_	In the OUI	C. leek fer				
<u>File E</u> o	dit <u>V</u> iew ⊆	ommunicat	ion <u>A</u> ctio	ns <u>W</u> indow	<u>H</u> elp		In the OUT	IQ, 100K 10f	the spool i	lle		
D	è 🖻 🕯			1			or files to	be exporte	d and			
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Queu	ie: If	PDS400		Libra	ary:	QUS	RSYS	Stat	us: RL	S∕WTR		
Tune	e ontiou	ns. nr	ess Fn	ter.								
1=	Send	2=Cha	nge	3=Hold	4=0)elet	e 5=Di	splay	6=Releas	e 7=	-Messaç	jes –
8=	Attribu	utes		9=Work	with	prin	ting sta	tus				
Opt	File		User		User	Data	Sts	Pages	Copies	Form	Type	Pty
	MAILLE	BL	MACKE	Y	BC01-	-04	SAV	1*	1	*STD		5
	SHLFL	BL	MACKE	Y	BC01-	-05	SAV	1*	1	*STD		5
	BARRO	Г	MACKE	Y	BC01-	-06	SAV	1	1	*STD		5
	BARPG	4	MACKE	Y	BC01-	-07	SAV	1	1	*STD		5
	BENLBI		MACKE	Y	BC01-	-08	SAV	1	1	*STD		5
	PNETLE	BL	MACKE	Y	BC01-	-09	SAV	1	1	*STD		5
	OCREAR	в	MACKE	Y	BC01-	-10	SAV	1	1	*STD		5
	OCREAR	8	MACKE	Y	BC01-	-11	SAV	1	1	*STD		5
2	SPOOL	95 P	MACKE	Y	IND01	-01	SAV	102*	1	*STD		5
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F24=	More ke	eys	Op	tions to '	"Change	e" the	spool file					
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എ 190:	2 - Session s	uccessfully	started									

<u>TIP</u>: Press F11 to display the parameter shortnames for easier searching.

© Session A - [24 x 80]	
<u>File Edit View Communication Actions Window H</u> elp	
Change Spooled File Attributes (CHGSPLFA)	
Type choices, press Enter.	
Spooled file	
Restart printing RESTAR Search for the OUTQ	
parameter. Press PAGE F3=Exit F4=Prompt F5=Refresh F12=(DOWN to view more ;e thi	More
F24=More keys Already at top of area. parameters.	
M <u>A</u> a	14/050
g에 I902 - Session successfully started PrimoPDF on PrimoPOrt:	11.

Session A - [24 x 80] File Edit View Communication Actions Window Help 🖻 🗈 🗈 🚛 🖬 🖽 📾 📾 😓 🍰 🏙 🌰 🥔 Change Spooled File Attributes (CHGSPLFA) **Replace the existing** Type choices, press Enter. OUTQ name with the Additional Parameters name of the destination Ουτο TRANSIT <u>QGPL</u> FILESEP PAGERANGE Page range to print: Starting page . . Press <u>Enter</u> to execute SCHEDULE *FILEEND the command. Repeat SAVE *YES for each spool file. EXPDATE *NONE Days until file expires DAYS Output priority User data OUTPTY After completing this 'IND01-01 ' . . ALIGN step, you are now ready to create the SAVF. F3=Exit F4=Prompt F5=Refresh F12=Cancel F13=How to use F24=More keys 08/057 MA а 🕤 I902 - Session successfully started PrimoPDF on PrimoPort:

<u>TIP:</u> Make sure your OUTQ contains the right spool files. Use the workout [name of OUTQ] command to review the list of spool files. Once you have the right spool files, proceed to the next step.

NOTE: Make sure to review each spool file and verify if any file refers to a custom file (e.g. user defined objects or libraries, etc) on your system that is not standard for all AS/400 servers. You may need to export that specific file also together with your spool file.



2 Constant A 124 - 001		
Fill in the parameters of SAVOBJ as follows	s 🖻 🔹 🔗	Input the name of the OUTQ here
Save Obj Type choices, press Enter. Objects	ject (SAVOBJ) > TRANSIT	Input the name of the library where OUTQ is stored
+ for more Library LIB + for more Device	values values values values	Input *SAVF as the type of device where OUTQ will be stored
Object types OBJT + for more Save file SAVF Library	TYPE > <u>*OUTQ</u> values F <u>TRANSIT</u> <u>*LIBL</u>	Input *OUTQ as the type of object to be saved here
Additional Target release	l Parameters RLS <u>*CURRENT</u> HST <u>*YES</u> OP *NONE	Input name of SAVF and library where OUTQ is to be stored
F3=E F24= Alre iSeries is running V6R1. If you are running a higher version, please indicate V6R1 as the target.	2=Canc Press <u>F10</u> to display rest of the parame and then <u>Page Dow</u> view the next scree	y the his display ters 13/057 en.



TIP: The entire command is as follows: savobj obj(name_of_outq) lib(lib_of_outq)
dev(*savf) objtype(*outq) savf(name of savf) splfdta(*all)

See the **Notes on the SAVOBJ fields to use** section below for more details about the parameters to use with this command.

The SAVF is now ready for export to a Windows PC.

d. From the Windows PC, open the command prompt.

Go to **Start > Run** and input cmd to bring up a Windows Command Prompt and use the cd command to navigate to the directory where the SAVF file will be saved.

e. Export the SAVF to the Windows PC through FTP. Follow the instructions below:

<u>TIP</u>: Before connecting to the server, make sure to navigate to the directory where you want to save the SAVF first so you can easily retrieve the file after. In this case, I wanted to download the SAVF to the D:\Temp folder.

C:\WINDOWS\system32\cmd.exe - ftp 10.197.: D:\Temp\ftp 10.197.26.40 Connected to 10.197.26.40. 220-QTCP at MANGO.	Type "ftp <iseries address="" ip="">" to control to the iSeries (AS/400) server. Input required credents to log on to the server.</iseries>	nnect ntials
220 Connection will close if fale more t User (10.197.26.40:(none)): ktariman 331 Enter password. Password: 230 KTARIMAN logged on. ftp> bin 200 Representation type is binary IMAGE. ftp> cd ggn]	Type "bin" to switch to binary mode Use "cd" to change to the directory	
250 The use of the second seco	IT in library QGPL. s 149.41Kbytes/sec.	
Download the SAVF to the PC by inputting this co recv [name of SAVF in AS/400].savf	mmand: [name of SAVF to be saved in PC].sa	vf

f. Email the exported SAVF file to Lexmark support team.

Notes on the SAVOBJ fields to use

Save Object (SAVOBJ) Command Parameters	NOTES
Objects OBJ > TRANSIT	Specify the name of object to save
+ for more values	
Library LIB > QGPL	Specify the library of the OUTQ to save
+ IOT MOTE VALUES	Specify $(SA)/F$ as the device to use when saving
+ for more values	specify SAVE as the device to use when saving
Object types OBJTYPE > *OUTO	Specify *OUTO as the object to save
+ for more values	
Save file SAVF > TRANSIT	Specify name of SAVF to save the OUTQ to
Library *LIBL	Specify library of the SAVF
Additional Parameters	
Target release TGTRLS > *CURRENT	This is *CURRENT by default, but if the target
	system where the SAVF will be deployed is running
	an older release, set TGTRLS to the appropriate
	setting.
Update history UPDHST *YES	
Clear CLEAR > ^NONE	Inis is set to "NONE by default. However, when re-
	to clear the data prior to saving the new *OUTO
Object pre-check PRECHK *NO	to clear the data prior to saving the new OOTQ.
Save active	
Save active wait time: SAVACTWAIT	
Object locks	
Pending record changes *LOCKWAIT	
Other pending changes *LOCKWAIT	
Save active message queue SAVACTMSGQ *NONE	
Library *LIBL	
Synchronization ID SYNCID *NONE	
File member: FILEMBR	
File *ALL	
Member *ALL	
+ for more values	
+ IOR MORE VALUES	
Save file data	
Spooled file data	Sat to *ALL to pick up any speeled file in the stored
	in the *OUTO
Queue data ODTA *NONE	
Private authorities PVTAUT *NO	
Storage STG *KEEP	
Data compression DTACPR *DEV	
Data compaction COMPACT *DEV	
Libraries to omit OMITLIB *NONE	
+ for more values	
Objects to omit: OMITOBJ	
Object	
Library *ALL	
Object type *ALL	
+ for more values	
ASP device ASPDEV *	
Output OUTPUT *NONE	
File to receive output OUTFILE	

Library	*LIBL
Output member options: OUTMBR	
Member to receive output	. *FIRST
Replace or add records	. *REPLACE
Type of output information .	INFTYPE *OBJ
Command user space	CMDUSRSPC
Library	*LIBL