

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

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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

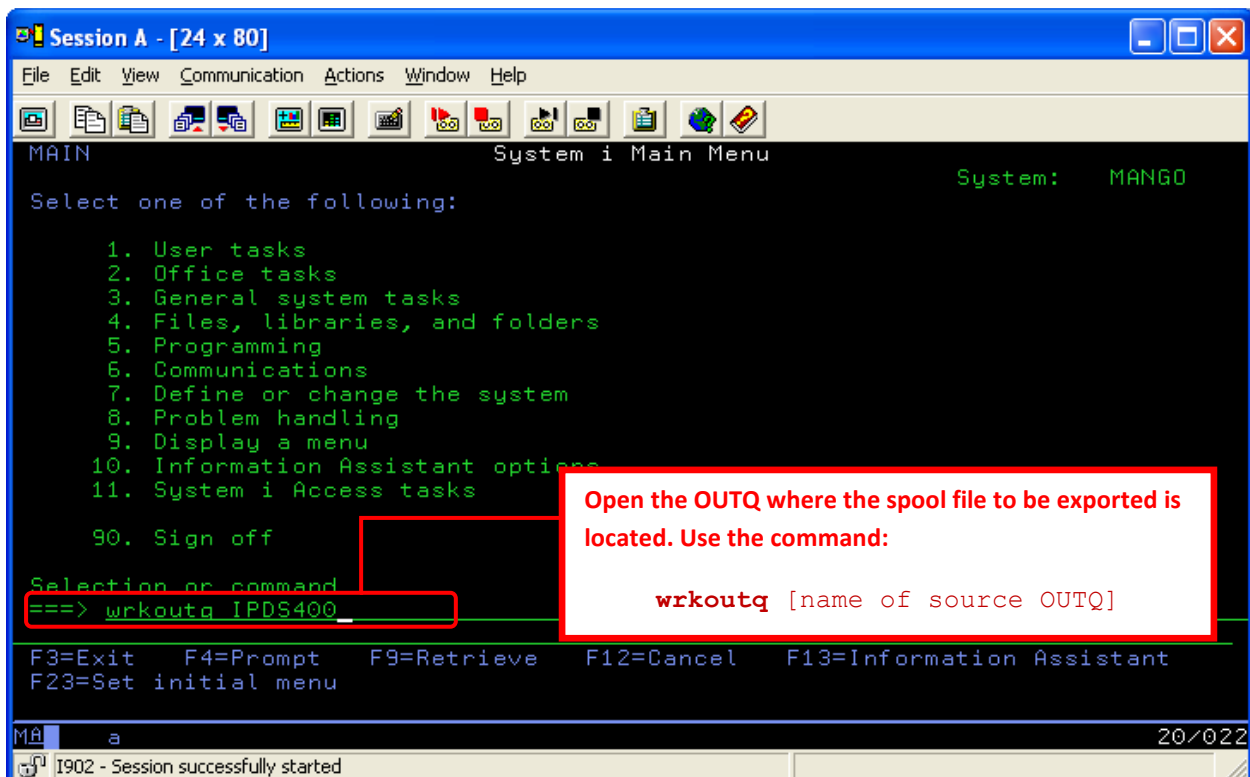
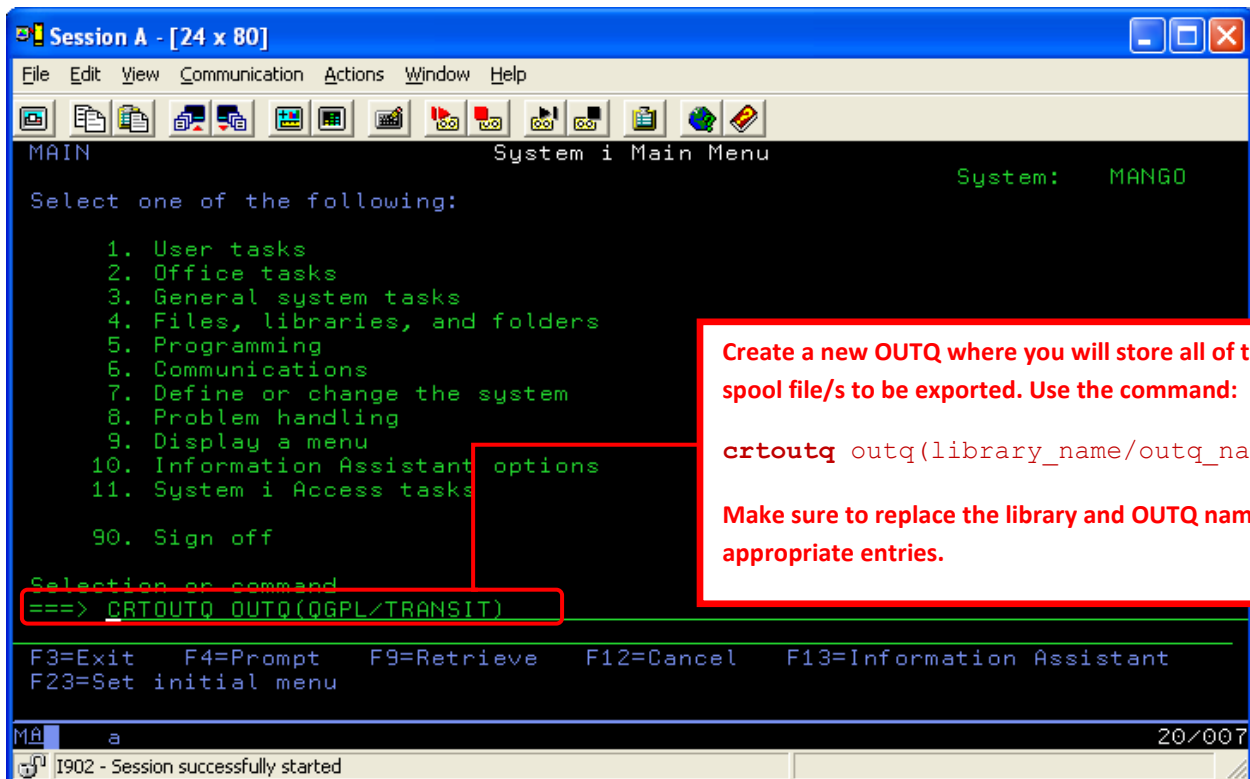
1. AS/400
2. PC attached to same network as AS/400

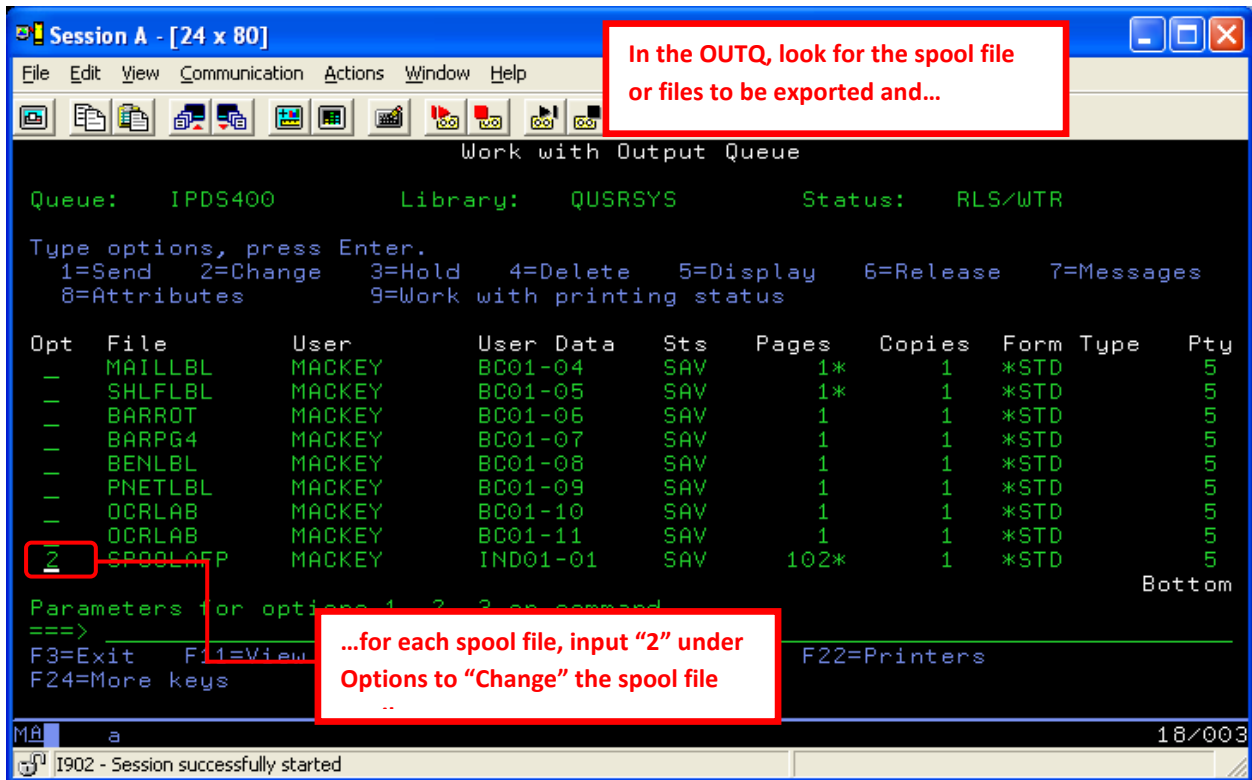
## Reference

This document is based on the existing IBM document entitled "Saving an Output Queue with SPLFDTA(\*ALL) to Send Spooled Files to Software Support": <http://www-01.ibm.com/support/docview.wss?uid=nas1a2e7d5fb7c711ada8625713e00559be1>.

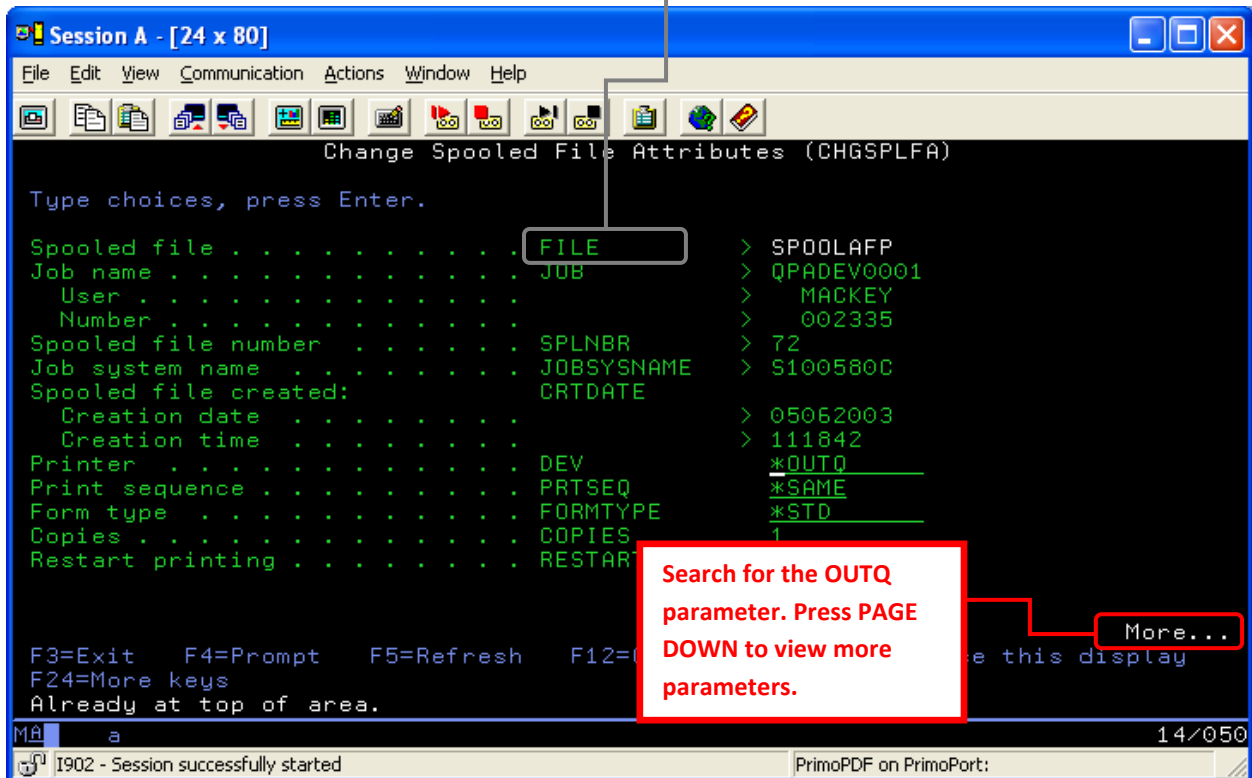
# 1. Prepare the SAVF

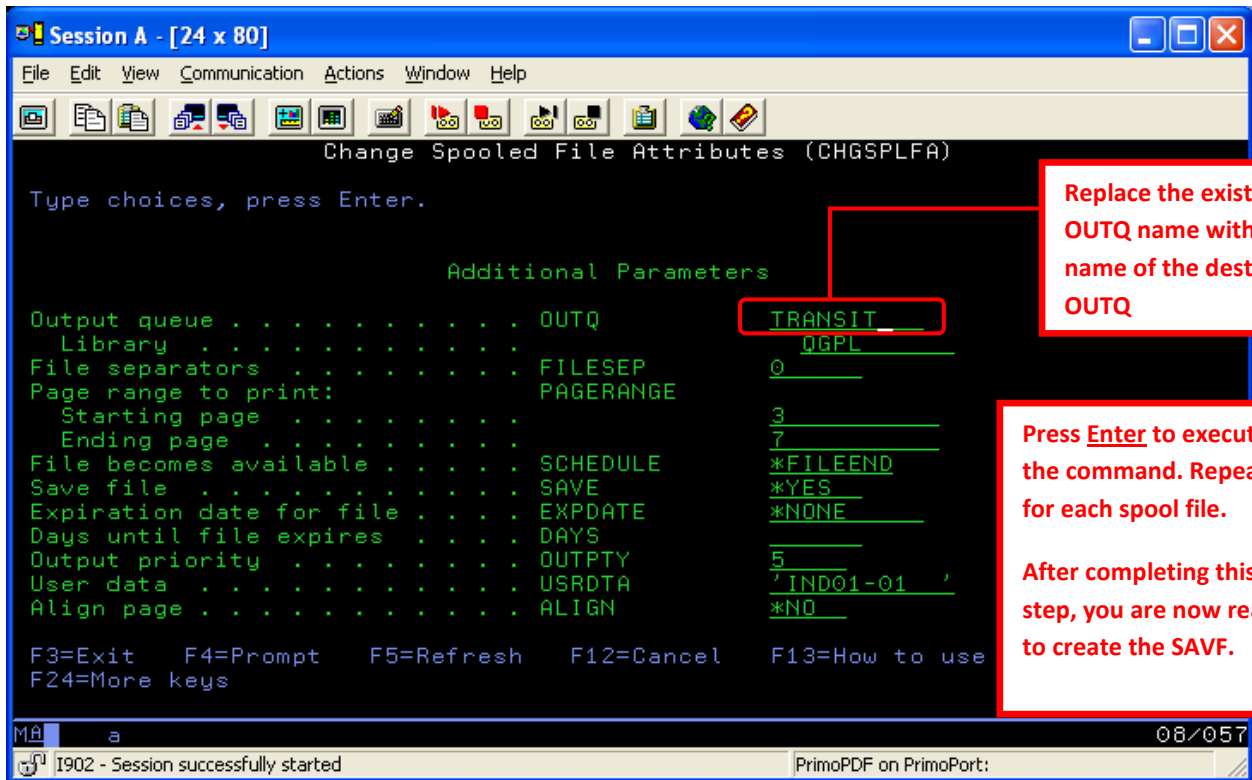
- On a PC, open IBM System i Access for Windows.
- Start a session with the AS/400 server where spool file to be exported is located.
- Create a save file and save the spool file to the SAVF. To do this, follow the instructions in the screenshots below:





**TIP:** Press F11 to display the parameter shortnames for easier searching.





**TIP:** 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.

```
Session A - [24 x 80]
File Edit View Communication Actions Window Help
MAIN System i Main Menu System: MANGO
Select one of the following:
1. User tasks
2. Office tasks
3. General system tasks
4. Files, libraries, and folders
5. Programming
6. Communications
7. Define or change the system
8. Problem handling
9. Display a menu
10. Information Assistant options
11. System i Access tasks
90. Sign off
Selection or command
==> CRTSAVF FILE(QGPL/TRANSIT)
F3=Exit F4=Prompt F9=Retrieve F12=Cancel F13=Information Assistant
F23=Set initial menu
File TRANSIT in library QGPL already exists.
MA a 20/007
I902 - Session successfully started
```

Create a save file that will receive the output queue.  
Use the command:  
`crtsavef file(library_name/SAVF_name)`

```
Session A - [24 x 80]
File Edit View Communication Actions Window Help
Work with Output Queue
Queue: TRANSIT Library: QGPL Status: RLS
Type options, press Enter.
1=Send 2=Change 3=Hold 4=Delete 5=Display 6=Release 7=Messages
8=Attributes 9=Work with printing status
Opt File User User Data Sts Pages Copies Form Type Pty
_ SPoolAPP MACKEY IND01-01 SAV 102* 1 *STD 5
Parameters for options 1, 2, 3 or command
==> savobj
F3=Exit F11=View 2 F12=Cancel F20=Writers F22=Printers
F24=More keys
MA a 21/013
I902 - Session successfully started PrimoPDF on PrimoPort:
```

Save the OUTQ to the SAVF using the SAVOBJ command. Input SAVOBJ on the command line and press Enter.

**Fill in the parameters of SAVOBJ as follows...**

**Input the name of the OUTQ here**

**Input the name of the library where OUTQ is stored**

**Input \*SAVF as the type of device where OUTQ will be stored**

**Input \*OUTQ as the type of object to be saved here**

**Input name of SAVF and library where OUTQ is to be stored**

**Leave \*CURRENT as default. The Lexmark iSeries is running V6R1. If you are running a higher version, please indicate V6R1 as the target.**

**Press F10 to display the rest of the parameters and then Page Down to view the next screen.**

```

Save Object (SAVOBJ)

Type choices, press Enter.

Objects . . . . . OBJ          > TRANSIT
      + for more values
Library . . . . . LIB          > QGPL
      + for more values
Device . . . . . DEV          > *SAVF
      + for more values
Object types . . . . . OBJTYPE > *OUTQ
      + for more values
Save file . . . . . SAVF
Library . . . . .

Additional Parameters

Target release . . . . . TGTREL *CURRENT
Update history . . . . . UPDHST *YES
Clear . . . . . CLEAR          *NONE

F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
  
```

**Input \*ALL to capture all spooled files inside the OUTQ**

**That's it. Now press Enter to execute the SAVOBJ command.**

```

Save Object (SAVOBJ)

Type choices, press Enter.

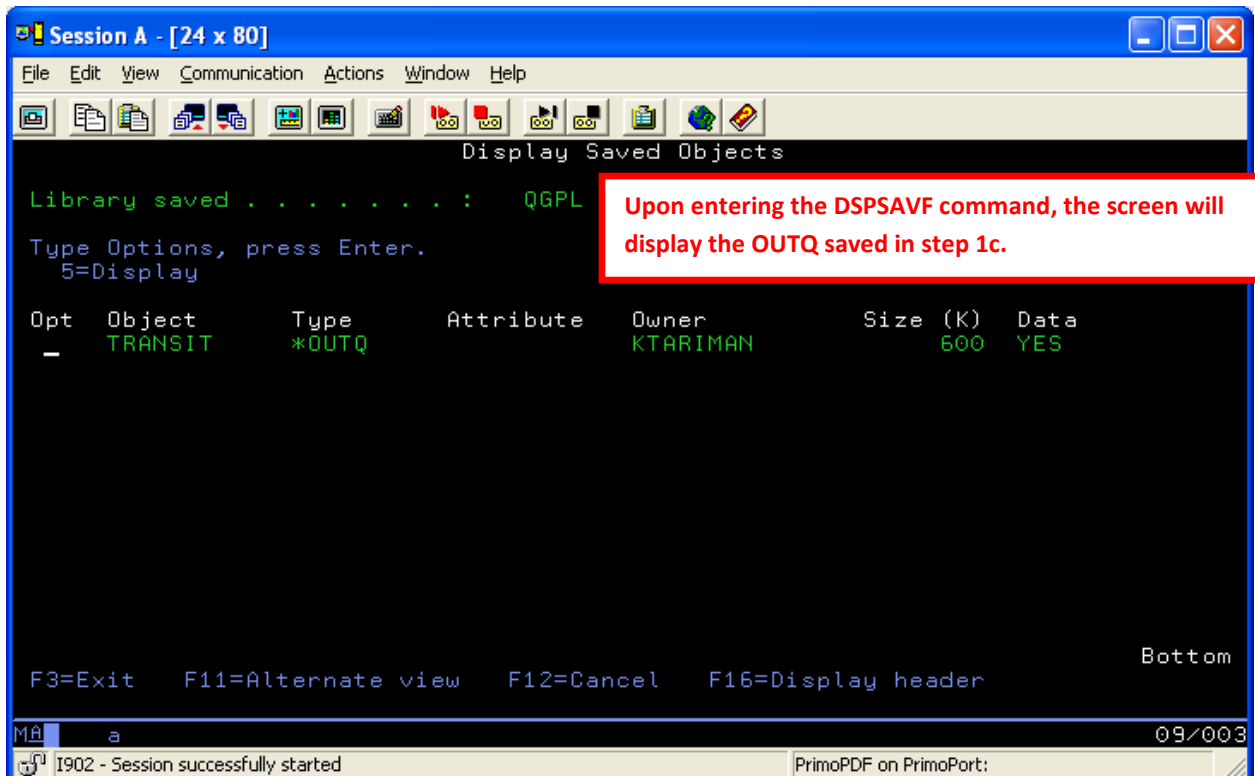
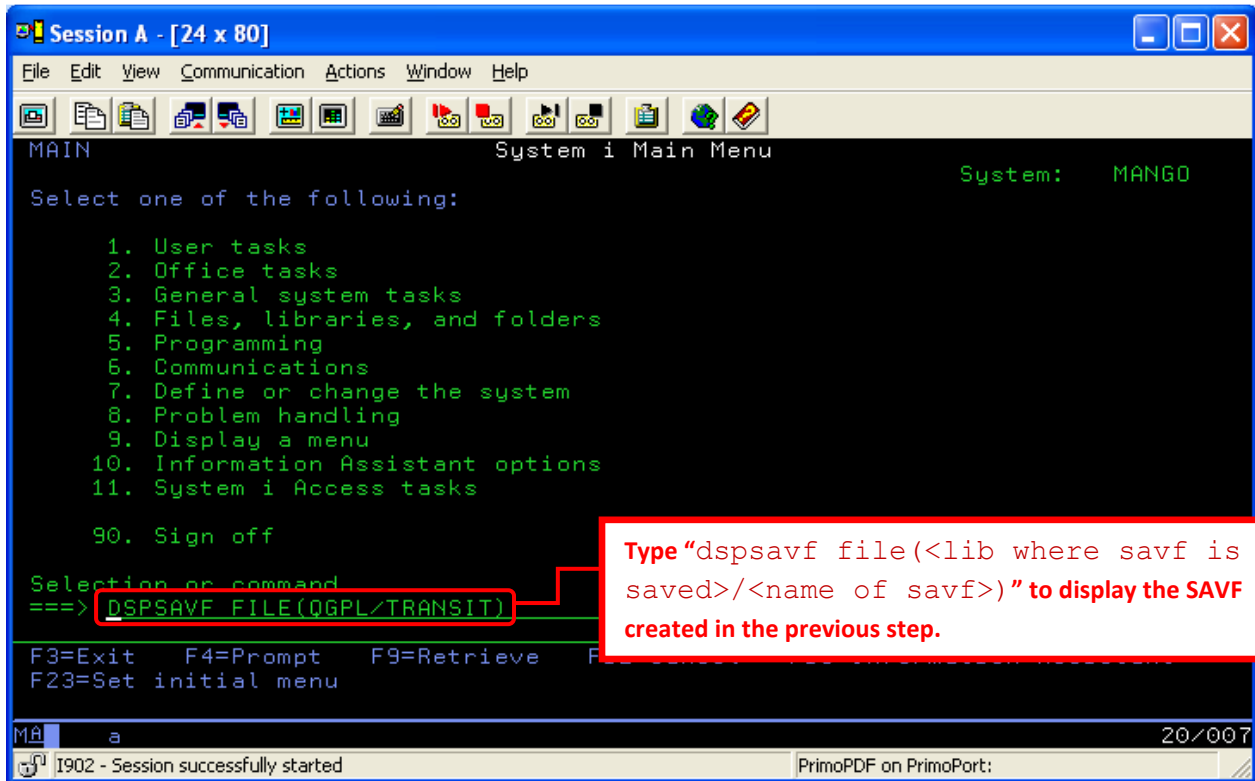
Spooled file data . . . . . SPLFDTA > *ALL
Queue data . . . . . QDTA          *NONE
Private authorities . . . . . PVTAUT *NO
Storage . . . . . STG             *KEEP
Data compression . . . . . DTACPR  *DEV
Data compaction . . . . . COMPACT  *DEV
Libraries to omit . . . . . OMITLIB *NONE
      + for more values
Objects to omit:
  Object . . . . . OMITOBJ         -
  Library . . . . .                *ALL
  Object type . . . . .             *ALL
      + for more values
ASP device . . . . . ASPDEV        *
Output . . . . . OUTPUT           *NONE

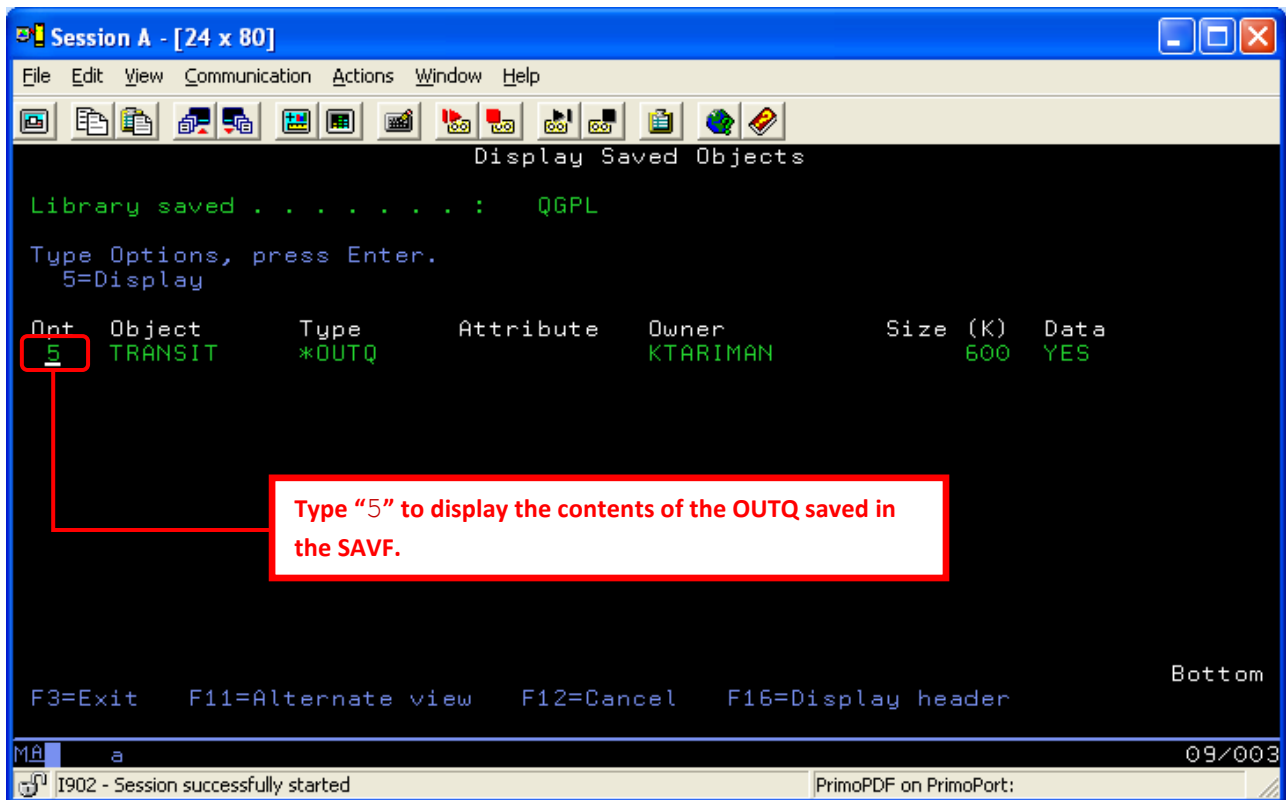
F3=Exit  F4=Prompt  F5=Refresh  F12=Cancel  F13=How to use this display
F24=More keys
  
```

**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)`

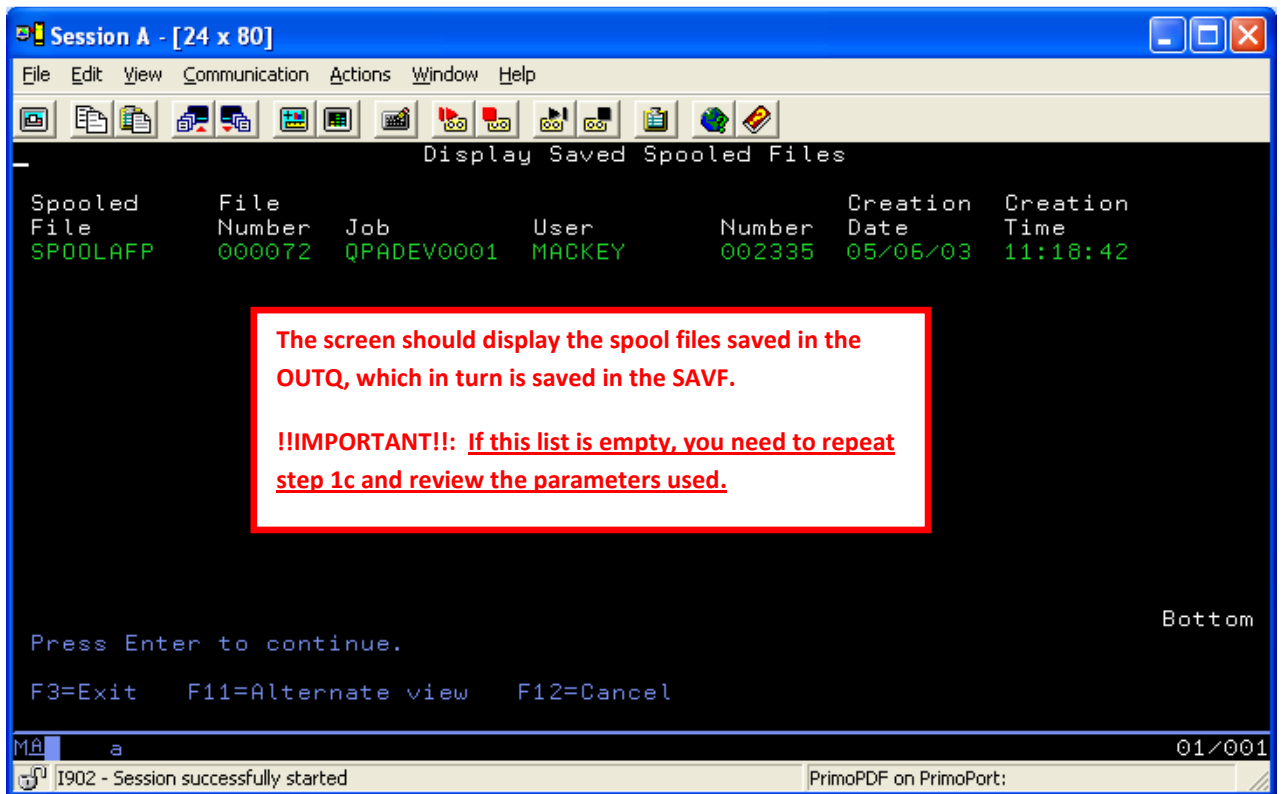
See the **Notes on the SAVOBJ fields to use** section below for more details about the parameters to use with this command.

- d. View the created SAVF to make sure that the spool file is successfully stored in the SAVF.





Type "5" to display the contents of the OUTQ saved in the SAVF.



The screen should display the pool files saved in the OUTQ, which in turn is saved in the SAVF.

**!!IMPORTANT!!: If this list is empty, you need to repeat step 1c and review the parameters used.**

Do you need to repeat step 1c? Click [here](#). Otherwise, the SAVF is now ready for export to a Windows PC.



- e. 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.

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

**TIP:** 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 10.197.26.40
D:\Temp>ftp 10.197.26.40
Connected to 10.197.26.40.
220-QICP at MANGO.
220 Connection will close if idle more than 5 minutes.
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 qgpl
250 "QGPL" is current library.
ftp> recv transit.savf transit.savf
200 PORT subcommand request successful.
150 Retrieving member SAVF in file TRANSIT in library QGPL.
226 File transfer completed successfully.
ftp: 620928 bytes received in 4.16Seconds 149.41Kbytes/sec.
ftp>
```

Type "ftp <iSeries IP address>" to connect to the iSeries (AS/400) server. Input required credentials to log on to the server.

Type "bin" to switch to binary mode

Use "cd" to change to the directory where SAVF is saved

Download the SAVF to the PC by inputting this command:

```
recv [name of SAVF in AS/400].savf [name of SAVF to be saved in PC].savf
```

- g. Email the exported SAVF file to Lexmark support team.

# Notes on the SAVOBJ fields to use

## Save Object (SAVOBJ) Command Parameters

```

Objects . . . . . OBJ > TRANSIT
+ for more values
Library . . . . . LIB > QGPL
+ for more values
Device . . . . . DEV > *SAVF
+ for more values
Object types . . . . . OBJTYPE > *OUTQ
+ for more values
Save file . . . . . SAVF > TRANSIT
Library . . . . . *LIBL
Additional Parameters
Target release . . . . . TGTRLS > *CURRENT

Update history . . . . . UPDHST *YES
Clear . . . . . CLEAR > *NONE

Object pre-check . . . . . PRECHK *NO
Save active . . . . . SAVACT *NO
Save active wait time: SAVACTWAIT
Object locks . . . . . 120
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
+ for more values
Save access paths . . . . . ACCPTH *SYSVAL
Save file data . . . . . SAVFDTA *YES
Spooled file data . . . . . SPLFDTA > *ALL

Queue data . . . . . QDTA *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

```

## NOTES

Specify the name of object to save

Specify the library of the OUTQ to save

Specify \*SAVF as the device to use when saving

Specify \*OUTQ as the object to save

Specify name of SAVF to save the OUTQ to  
Specify library of the SAVF

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.

This is set to \*NONE by default. However, when re-using a SAVF that already contains data, set to \*ALL to clear the data prior to saving the new \*OUTQ.

Set to \*ALL to pick up any spooled file in the stored in the \*OUTQ

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

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