

Using TSO commands

TSO does not use menus to access XOAF. The instructions for entering, executing, and exiting an XOAF session using TSO are:

1. Log on to TSO.
2. Enter **XOAF** (or a site-specific prompt).
3. Enter a command statement as provided in this card for the XOAF function. A TSO message is displayed indicating success or failure.
4. Enter **END** to exit XOAF.

CAUTION: You must use the XOAF command processor as described. Do not access XOAF using a TSO CLIST, and do not invoke XOAF with the TSO CALL command. If you do, the results may be unpredictable.

Syntax conventions

Convention	Description
FONTLIB=CFONTLIB	Uppercase indicates text that must be entered exactly as shown.
OPHLQ= <i>prefix</i>	Lowercase italics represent an entry for which you must supply a value.
LOAD FONT	Smaller point size type characters indicate that an item can be abbreviated. The characters that appear in smaller type are optional.
DEFLINE= { LINE PAGE DJDE }	Braces { } indicate that one of the enclosed vertically-stacked items is required.
OPWRITER=(DISK[,ONLY])	Square brackets [] indicate that the enclosed text is optional. On this reference card, optional text is also indicated by blue.
IMAGEMODE= { ENC LIN }	An underlined item indicates the default value, which is used if either no value is specified or if a value is omitted.
CONROUTE= <i>nnn</i>	A lowercase italicized “ <i>n</i> ” indicates a numeric variable. The number of <i>n</i> ’s shown represent the maximum positional value of the numeric variable.

Load Resources

Load Centralized Fonts

LOAD FONT('input-dataset-name[({ member-name * }]')
[TO]('output-dataset-name') TYPE(9700) [IFORMAT({ centralized-format CCMV01 })]
OFORMAT({ decentralized-format DCMV01 }) CODEPAGE(code-page-name)]

Load Centralized Forms

LOAD FORM('input-dataset-name[({ member-name * }]')
[TO]('output-dataset-name[(member-name)]') CENTRALIZED

Load Centralized Images

LOAD IMAGE('input-dataset-name[({ member-name * }]')
[TO]('output-dataset-name[(member-name)]') CENTRALIZED

Load Centralized Logos

LOAD LOGO('input-dataset-name[({ member-name * }]')
[TO]('output-dataset-name[(member-name)]')

Load Decentralized Fonts

LOAD FONT('input-dataset-name[({ member-name * }]')
[TO]('output-dataset-name') TYPE { (2700) (270X) CODEPAGE(code-page-name) }

Load Decentralized Forms

LOAD FORM('input-dataset-name({ member-name * })')
[TO]('output-dataset-name[(member-name)]') DECENTRALIZED

Load Decentralized Images

LOAD IMAGE('input-dataset-name({ member-name * })')
[TO]('output-dataset-name[(member-name)]') DECENTRALIZED

Load PDL

LOAD PDL('input-dataset-name(member-name)')
[TO]('output-dataset-name')[PCLVER({ Vnn V35 })]

Convert Resources

Convert Centralized Fonts to Decentralized Fonts

CONVERT XFONT('input-dataset-name[({ member-name * }]')
[TO]('output-dataset-name') SAMPLE({ Y N R }) [LIST('list-dataset-name') LOWER(nn) UPPER(nn)]
NOTE: If SAMPLE is set to Y, LIST is required. If SAMPLE is set to R, LIST, LOWER, and UPPER are required. nn is a hexadecimal value from 20 to FF.

Convert Xerox Fonts to IBM Format

CONVERT FONT('input-dataset-name({ member-name * })')
[TO]('output-dataset-name')
NOTE: This conversion requires a region of at least eight megabytes to run successfully.

Manage Tables

Update IBM Font Characteristics Information

CONVERT IBM('ibm-font-library-dataset-name')

Maintain the Color Conversion Table

LOAD INKS('input-dataset-name(member-name)')
[TO]('output-dataset-name')

Xerox Page Format Editor

Update Xerox Font Characteristics Information

CONVERT FONT('input-dataset-name({ member-name * })')
NOTE: This conversion requires a region of at least eight megabytes to run successfully.

Manage Resource Lists

Before using TSO or batch commands to create a resident resource list (font, form, image, or logo), you must create a PDS or sequential file as the source dataset. The source dataset can contain one or more resource names. For fonts, each resource name can be up to 20 characters long. For forms, images, and logos, each resource name can be up to six characters long. Each name must be entered beginning in column 1.

Create a Resident Resource List

TABLE LOAD('list-dataset-name(list-name)')
FROM('input-dataset-name[(member-name)]') TYPE({ FNTL
FRML
IMGL
LGOL })

Update a Resident Resource List

TABLE UPDATE('list-dataset-name(list-name)') TYPE({ FNTL
FRML
IMGL
FRML })

FUNCTION({ ADD
DELETE }) NAME({ font-name
form-name
image-name
logo-name })[(P)]

Delete a Resident Resource List

TABLE DELETE('list-dataset-name(list-name)')

Manage Libraries

Display a Directory of Library Members

LIBRARY DIRECTORY('library-dataset-name')

Browse a Member

LIBRARY DISPLAY('library-dataset-name(member-name)') HEX({ OFF
ON })

NOTE: In the XPAF PDLLIB, each member name may be padded with space characters to the right of the double entry name. If you do not include the complete member name in the TSO/batch command, XOAF will be unable to locate the member. For more information about PDL member names, refer to Managing Resources with XPAF.

Delete a Member

LIBRARY DELETE('library-dataset-name(member-name)')

NOTE: If you try to delete a member of a resource library using this command, XPAF will not allow the member to be deleted if the printer FSS is active.

Refresh PDS/Display Printer Status

Refresh XOSF Job/Printer

REFRESH TYPE({ FONT240
FONT300
FORMDEF
OVERLAY
PAGEDEF
PAGEFORM
PAGESEG
ALL }) { XOSF(xosf-jobname)
PRT(printer-name) }

Refresh Dataset

REFRESH DSN('dataset-name')

Display the Status of PDS(s) and Printers

DISPLAY { REFRESH
PRINTERS }

Manage Custom Replica Fonts

Install Custom Replica Fonts (version 5 encoding or below)

LOAD FONT('input-dataset-name[(member-name)]')
[(TO)]('output-dataset-name') TYPE({ REPL
270R }) ORIEN({ P
L
I
J })

- Specify one of the following for TYPE:
- REPL: centralized replica fonts.
 - 270R: decentralized replica fonts, create an ASCII font widths table entry.

NOTE: For both centralized and decentralized custom fonts, the orientation specified by the last character of the font name must match the orientation specified by the ORIEN parameter. If it does not match, no ASCII font widths table entry is generated.

Update IBM Font Characteristics Information

(version 5 encoding or below)

CONVERT IBM('ibm-font-library-dataset-name')

Install Custom Replica Fonts (version 6 encoding or above)

You should access the INSTALL FONTS batch command only through the JCL generated by the XOAF option to ensure that the proper datasets are defined and that the JCL is set up correctly.

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TSO/Batch Commands Quick Reference Card

This quick reference card lists TSO and batch commands available for XOAF panel functions.

The TSO/batch commands follow standard JCL coding conventions. Items such as commas, single quotes, equal signs, and parentheses are part of a definition's syntax. When present, you must include them exactly as indicated. Refer to your IBM JCL reference manual for a detailed description of valid syntax.

When you communicate with XOAF, each new XOAF batch command must begin on a new record. A command can continue across as many records as necessary.

When submitting an XOAF batch job, do not delete the PARM statement from the EXEC card. If you do, the batch job will fail with a return code of 0132. This return code indicates an invalid or missing parameter list.

For more information about resource libraries and the ISPF functions related to these commands, refer to Managing Resources with XPAF and Xerox Page Format Editor User Guide.