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# Xerox<sup>®</sup> Job Descriptor Compiler (XJDC) Installation and User Guide



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# 1. Installation

This section includes information on how to install the XPAF Job Descriptor Compiler (XJDC) software.

## *Existing XPAF Customers*

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Existing XPAF customers already have XJDC available as a base function of XPAF or XPAF-Lite and should continue to use the XPAF version of the compiler.

If you are an existing XPAF customer and wish to use the standalone version of XJDC, you will need to purchase an additional XJDC License

An XJDC License String is required for the standalone XJDC program to function.

## *Customers without XPAF*

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The XJDC Software is packaged as part of the XPAF family of products and is available with XPAF 6.0 (or later) at a minimum maintenance level of TA3150.

To install the software, install the base XPAF product and maintenance.

## *Download the XPAF Lite 8.0 Installation kit*

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The XPAF-Lite 8.0 Installation Kit can be downloaded from the Xerox corporate website:

<http://www.support.xerox.com/support/xpaf/software/enus.html>

## *Installation Steps*

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To install XJDC, follow the installation steps documented in “Section Two: Installing and Customizing XPAF” of the XPAF User Guide and Reference.

### *Install the base software*

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Install the base software by completing the first eight steps of the “Installing the base product” section of the XPAF User Guide and Reference

Skip step 9.

### *Install the latest maintenance*

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Install the product maintenance by completing all steps up to and including step 5 of the “Installing Maintenance” section of the XPAF User Guide and Reference.

### *Allocate the XJDC object libraries*

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Run INSTLIB(\$ASMPUD) with “INSTYPE=\$GENRSC” to generate the resource allocation STAGE2 jobs.

### *Review and then submit STAGE2 job XJDC100.*

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STAGE2(XJDC100) will allocate the partitioned datasets that will store the PDL objects generated by XJDC.

Ensure the space allocation is sufficient for the number of PDL objects you expect to create and submit this job to create the libraries.

### *Add the XJDC license string*

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Edit XINPARAM(XINSLSTR) and replace the contents with you XJDC license.

## 2. Using XJDC

This chapter explains how to execute the XJDC program to compile JSL

### Executing the XJDC JCL

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A sample job to execute XJDC can be found in STAGE2(XJDCJCL).

Update the JSL DD card to specify the dataset containing the JSL source to be compiled:

```
//JOB CD$XX JOB (D498,340),'XJDC COMPILE',MSGCLASS=Y,
//          REGION=0M,NOTIFY=&SYSUID,CLASS=S
//*****
//*
//* JOB SOURCE:
//*          XJDCJCL
//* JOB FUNCTION:
//*          Execute XJDC in standalone mode
//*
//*****
//STEP1 EXEC PGM=XJDCMAIN,REGION=0M,
//          PARM='V=3A,PA=66,PS=USLETTER,PRINT,LABEL,NOSCAN'
//STEPLIB DD DISP=SHR,DSN=your.hlq.XPFLD
//*
//XINPARG DD DISP=SHR,DSN=your.hlq.XINPARG
//*
//* XJDC Configuration Datasets
//*
//INVXLT DD DISP=SHR,DSN=your.hlq.INVXLT
//PCCFIL DD DISP=SHR,DSN=your.hlq.PCCFIL
//TYPFIL DD DISP=SHR,DSN=your.hlq.TYPFIL
//CON DD DISP=SHR,DSN=your.hlq.XPDLCONF
//XPDLDF DD DISP=SHR,DSN=your.hlq.XPDLDF
//MSG DD DISP=SHR,DSN=your.hlq.XPDLMSG
//*
//* PDL Object Libraries (Output)
//*
//JDL DD DISP=SHR,DSN=your.hlq.JDL
//PDE DD DISP=SHR,DSN=your.hlq.PDE
//CME DD DISP=SHR,DSN=your.hlq.CME
//TST DD DISP=SHR,DSN=your.hlq.TST
//STK DD DISP=SHR,DSN=your.hlq.STK
//IDR DD DISP=SHR,DSN=your.hlq.IDR
//LIB DD DISP=SHR,DSN=your.hlq.LIB
//*
//* XJDC Output Listings
//*
//RSC DD SYSOUT=*,DCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330)
//LST DD SYSOUT=*,DCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330)
//SYSPRINT DD SYSOUT=*,DCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330)
//SYSTEM DD SYSOUT=*,DCB=(RECFM=FBA,LRECL=133,BLKSIZE=1330)
//*
//* JSL Source (Input)
//*
//JSL DD DISP=SHR,DSN=your.hlq.XPFSAMP(DFAULT)
```

## XJDC Program Options

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The XJDC compiler has several options that are passed as parameters on the PARM statement of the EXEC JCL card.

The parameters and keywords on the PARM statement can be used to set the following options:

- PDL Version to generate
- The default paper size
- The page size, number of lines per page, of the output listing
- Whether or not an LPS tape label header is generated
- Whether an object module is generated or the JSL is just checked for syntax errors.

### LABEL

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**Description** Specifies that an LPS tape label header record should be written at the beginning of the generated object file.

**Syntax** PARM='LABEL'

**Default** LABEL

**Related information** See also the NOLABEL PARM parameter.

### NOLABEL

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**Description** Specifies that an LPS tape label header record should not be written at the beginning of the generated object file.

**Syntax** PARM='NOLABEL'

**Default** LABEL

**Related information** See also the LABEL PARM parameter.

### NOSCAN

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**Description** Specifies that the JSL should be compiled and PDL object files generated.

**Syntax** PARM='NOSCAN'

**Default** NOSCAN

**Related information** See also the SCAN PARM parameter.



## SCAN

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<b>Description</b>	Specifies that the JSL should be checked for syntax errors only. PDL object files will not be generated.
<b>Syntax</b>	PARAM='SCAN'
<b>Default</b>	NOSCAN
<b>Related information</b>	See also the NOSCAN PARAM parameter.

## PA

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<b>Description</b>	Specifies that the JSL should be checked for syntax errors only. PDL object files will not be generated.
<b>Syntax</b>	PARAM='PA= <i>nn</i> ' where <i>nn</i> is the number of lines on each page of the output listing
<b>Example</b>	PARAM='PA=66'
<b>Default</b>	PA=60
<b>Related information</b>	None.

## PS

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<b>Description</b>	Specifies that the default paper size to be used when generating JSL should be checked for syntax errors only. PDL object files will not be generated.
<b>Syntax</b>	PARAM='PS=[USLETTER   USLEGAL   A4]'
<b>Example</b>	PARAM='PS=A4'
<b>Default</b>	PS=USLETTER
<b>Related information</b>	See also, the PDL OUTPUT command PAPERSIZE parameter

## V

---

<b>Description</b>	Specifies that the version of PDL objects that are generated.
<b>Syntax</b>	PARAM='V=[V2   V35   V37   V38   V39   V3A   V40   V50   VM10]'
<b>Example</b>	PARAM='V=VM10'
<b>Default</b>	V=V3A

**Related information**    None.

## *XJDC Messages and codes*

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Messages produced by XJDC are documented in the XPAF User Guide and Reference.

