

Conversion from Version 2.2

When you have installed Natural Advanced Facilities Version 2.3, you can convert a Version 2.2 spool file to Version 2.3. This section describes how to do this:

- Online Conversion
- Conversion in Batch Mode

Note:

It is not possible to convert the reports of a Version 2.2 spool file.

To convert the spool file to the new format, invoke the CONVERT program in the SYSPPOOL library. You can either convert online or in batch mode.

When you install Natural Advanced Facilities Version 2.3 for the first time, SMA generates an example CONVERT batch job.

Online Conversion

When you start the CONVERT program, you can choose whether conversion is to occur in test mode or real mode.

```
Time 10:28:32          *** NATURAL SPOOL Administration ***          Date 1997-08-12
                        Spool File Conversion

Please select mode of Online Conversion

      _      Test mode

                all steps of conversion are executed but no update,
                store or delete is done

      _      Real mode

                all steps are executed and the new Spool File is
                generated / updated

Please mark function.
```

- **Test Mode**
All conversion steps are performed without modifying the spool file.
- **Real Mode**
All conversion steps are performed and the spool file is modified.

When you press ENTER, the conversion program checks the database ID and file number of the new Natural Advanced Facilities Version 2.3 spool file. The following screen appears:

```
Time 10:35:46          *** NATURAL SPOOL Administration ***      Date 1997-08-12
                        Spool File Conversion

Current Spoolfile for NAF Version 2.30 :

DBID 10   FNR 230   Type ADABAS V61

This Spoolfile is not empty . Objects found 176

Please select one of the following functions

_   reset   current Spoolfile
_   update  current Spoolfile

or

_   terminate function immediately
```

If the spool file is not empty, you can select one of the following options:

- reset the new spool file,
- update the new spool file, or
- terminate conversion.

Next, you are asked for information about the spool file that is to be converted.

```
Time 10:42:36          *** NATURAL SPOOL Administration ***      Date 1997-08-12
                        Spool File Conversion

Current Spoolfile for NAF Version 2.30 :

DBID 10   FNR 230   Type ADABAS V61

Please enter values for the Spoolfile to be converted

DBID 0____ FNR 0____   ADABAS Password           Cipher Code _____

and mark corresponding version

_   NAF Version 2.2
_   NAO Version 2.2

or

_   Terminate function immediately

Please enter values.
```

In addition to database ID, file number, Adabas password and cipher code, you must also specify the spool file version. It is not possible to convert spool files of versions older than 2.2.

Note:

In case of VSAM, you must specify the DD-Name instead of the password.

When your specifications are correct and when the spool file to be converted is of the defined format, you must enter the password of the spool file that is to be converted.

```
+-----Note-----+
! Please enter password for Spoolfile 10 / 50 !
! ! !
! or mark to terminate function immediately _ !
+-----+
```

The conversion program then checks the number of objects and displays it.

```
+-----Note-----+
! Objects found to be converted 113 !
! ! !
! Continue online conversion (Y/N) _ !
+-----+
```

You are asked whether you want to continue online conversion. When more objects have been found than is convenient to convert online, specify N and then invoke the CONVERT program in batch mode, see Conversion in Batch Mode. Otherwise specify Y to continue online conversion.

When you continue online conversion, all objects are immediately converted. During conversion, you are notified which object type is currently being processed.

When all objects have been converted, you can choose whether to format the new spool file or to end the conversion. When you choose to format the spool file, the values defined for the old spool file are used.

Conversion in Batch Mode

When you invoke the CONVERT program in batch mode, you must specify the following:

- Whether conversion is to occur in test mode or real mode.
- The database ID of the spool file that is to be converted.
- The file number of the spool file that is to be converted.
- The version of the spool file that is to be converted (NAF22 or NAO22).
- The password of the spool file that is to be converted.
- Whether the new spool file is to be formatted (Y/N).
- Whether a new spool file which is not empty is to be deleted (specify FORCE to delete the new spool file, otherwise the new spool file is modified).

A protocol file is automatically created. It contains your specifications for conversion and the resulting actions.

In the examples below, the following notation is used:

Notation	Description
<i>nnnnn</i>	Database number of Version 2.2 spool file.
<i>fffff</i>	File number of Version 2.2 spool file.
<i>xxxxxxxx</i>	Adabas password or VSAM DD-Name.
<i>yyyyyyyy</i>	Adabas cipher code.
<i>zzzzzzzz</i>	Password of Version 2.2 spool file.

Example - Batch Conversion under BS2000/OSD in Test Mode with Reset and Formatting

```

/ .BATCONV LOGON
/SYSFILE SYSDTA=(SYSCMD)
/EXEC NATBAT23
STACK=(LOGON SYSPool),IM=D,INTENS=1,MADIO=0,MAXCL=0,MT=0
/EOF
CONVERT
TEST
nnnnn,fffff,xxxxxxxx,yyyyyyyy,NAO22,zzzzzzzz,Y,FORCE
FIN
/STEP
/LOGOFF NOSPOOL

```

Example - Batch Conversion under OS/390 in Real Mode with Reset and Formatting

```
//BATCONV JOB CLASS=G,MSGCLASS=X
//CONVERT EXEC PGM=NATBATCH,PARM='IM=D'
//STEPBLIB DD DSN=Natural.V23.LOAD,DISP=SHR
// DD DSN=Adabas.V613.LOAD,DISP=SHR
//DDCARD DD Natural.V23.SOURCE(ADAPARM),DISP=SHR
//CMPRINT DD SYSOUT=X
//CMSYNIN DD *
LOGON SYSPPOOL
CONVERT
REAL
nnnnn,fffff,xxxxxxxxx,yyyyyyyyy,NAO22,zzzzzzzzz,Y,FORCE
FIN
```

Example - Batch Conversion under VSE/ESA in Test Mode with Reset and Formatting

```
//JOB BATCONV
//OPTION LOG
//ASSGN SYSLST,00E
//EXEC PROC=ADAV61LB
//EXEC PROC=ALL231LB
//EXEC NATBATCH,SIZE=NATBATCH,PARM='SYSRDR'
IM=D
/*
ADARUN DA=xxx,SVC=xxx;TNAE=999999,TT=99999
/*
LOGON SYSPPOOL
CONVERT
TEST
nnnnn,fffff,xxxxxxxxx,yyyyyyyyy,NAO22,zzzzzzzzz,Y,FORCE
FIN
/*
/&
```