

RPG/Externalizer™

Conversion Example

This example shows how **RPG/Externalizer** automatically changed this program without user intervention.

RPG/Externalizer automatically converts RPG programs that use internal (program described) definitions of data files on the iSeries and AS/400. The programs are automatically modernized to use external definitions. **RPG/Externalizer** removes I-specs and O-specs and re-engineers the programs to utilize the external DDS field information, making changes in File, Input, Calc, and Output specifications.

RPG/Externalizer transforms legacy RPG programs into *externalized* RPGLE programs, and saves countless hours of programmer time.

```

H
FSLSDTL  UF  F 384      DISK
FPURDTL  UF  F 128     12AIDISK  KEYLOC(1)
D
D KEY2    1 12
D KEY1    1 9
D SEQ#    10 12 0
D
D RRN     1 6 0
D ACTION  8 8
ISLSDTL  NS
I
I          1 9 KEY1
I          290 292 0SEQ#
IPURDTL8 NS
C ACTION  COMP 'D' 50
C RRN     CHAIN SLSDTL 30
C N30
CAN 50    EXCEPT SREC0
C N30
CANN50    EXCEPT SREC2
C N30KEY2 CHAIN PURDTL 31
C N30
CANN31
CAN 50    EXCEPT PREC0
C N30
CANN31
CANN50    EXCEPT PREC1
C          SETON LR
OSLSDTL  E          SREC2
O
O          201 'N '
O          288 'C '
OPURDTL8 E          PREC1
O
O          112 '
O          EDEL      PREC0
    
```

Before

```

H
FSLSDTL  UF  E      DISK
FPURDTL  UF  E      K DISK
DKLDS02  DS          INZ          PURDTL
D KL0201  7
D KL0202  2 0
D KL0203  3 0
D
D KEY2    1 12
D KEY1    1 9
D SEQ#    10 12 0
D
D RRN     1 6 0
D ACTION  8 8
C KLST02  KLIST          PURDTL
C          KFLD          KL0201
C          KFLD          KL0202
C          KFLD          KL0203
C ACTION  COMP 'D' 50
C RRN     CHAIN SLSDTL 30
C N30     EXSR SLSDTLIN
C N30
CAN 50    DELETE SLSDTLR
C N30
CANN50    EXSR SREC2
C N30     MOVEL KEY2      KLDS02
C N30KLST02 CHAIN PURDTL 31
C N30
CANN31
CAN 50    DELETE PURDTLR
C N30
CANN31
CANN50    EXSR PREC1
C          SETON LR
C SLSDTLIN BEGSR
C          MOVEL BOLNBR   KEY1
C          MOVE  BOLLNBR  KEY1 9
C          Z-ADD PSTSQNBR SEQ# 3 0
C          ENDSR
C SREC2   BEGSR
C          MOVE  ' '      SDFLG1
C          MOVE  ' '      SDFLG2
C          MOVE  'N'     SDFLG3
C          MOVE  'C'     SDFLG4
C          UPDATE SLSDTLR
C          ENDSR
C PREC1   BEGSR
C          MOVE  ' '      PDFLG1
C          UPDATE PURDTLR
C          ENDSR
    
```

After

File specifications are converted to use external definitions.

Input specifications are removed for externally described files.

Key lists are added where necessary.

Input subroutines are added where necessary.

Output specifications for externally described files are replaced with subroutines.