NAT-PAD

NATURAL Change Management

NATURAL Program Administration and Documentation

NATURAL Application Control

Emergency Fix Procedure - EFIX

User Manual

MVS and OS/390

NAT-PAD Version 3.1.e

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Emergency Fix Procedure (EFIX) with NAT-PAD

Getting started

- ➢ Sign on with your USERID (ZIxxx)
- ➢ Enter NFTEST from COMTEST
- ➢ Execute NP (NEXT np)
- ➢ Hit ENTER after displaying 'Hello Screen'
- ➢ Select code 6 from menu 'Main Menu'

```
15:15:34                *** N A T - P A D ***                 1999-02-07
NATPAD                       - Main Menu -                    NPM00050


              Code
              ----    -------------------------------------------
                1     Register, select, and maintain registered
                      requests with your userid: ZIND9S

                2     Maintain all registered requests

                3     Several search functions

                4     Several statistic reports

                5     Administrator functions (back-out, archive)

                6     Emergency fix procedures (EFIX)
                      -------------------------------------------
     Enter Code:  _

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help        End                                                 Exit
```

➢ Select code 1 from menu 'Emergency Fix Procedure'. This step is necessary to copy from production into ICSFIX library, to automatically create a new request, and to log this and all following NATURAL object migrations.

```
15:30:00                    *** N A T – P A D ***              1999-02-07
ZIND9S                      Emergency Fix Procedure                NATPAD
                                                                 NPM00400


          Code
          ----   --------------------------------------------------------
            1    Step 1
                 Copy from production to emergency fix library
                 ICIS/ICSTREET/JCLLIB ==> ICSFIX

           Now, change your program in ICSFIX before proceeding with step 2.

            2    Step 2
                 From emergency fix library back to production via development
                 ICSFIX ==> LBFIX ==> ICIS/ICSTREET/JCLLIB
                 Enter Request No: _____ and UserID: _____ regenerated by
                 step 1 and make a note for future references.
                 --------------------------------------------------------------
          Enter
          Code: _


Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help        End        Find
```

➢ Mark the from library (default ICIS)
➢ Enter up to 10 object names (generic searches are at this time not possible, ABC*)
➢ Hit PF10 key to submit a job with your USERID as jobname ending with @ (Zxxxxx@). This job copies from your selected library into ICSFIX (see step 1 - attached flow chart).

```
15:41:44                    *** N A T – P A D ***              1999-02-07
ZIND9S                      Emergency Fix Procedure                NATPAD
                                                                 NPM00410


                       From ICIS/ICSTREET/JCLLIB To ICSFIX

 From Library (mark one)
                    ICIS    :        X
                    ICSTREET:        _
                    JCLLIB  :        _

 NATURAL Objects to copy:        DIETER1_
                                 _____
                                 _____
                                 _____
                                 _____
                                 _____
                                 _____
                                 _____
                                 _____
                                 _____

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help        End                                      Subm
```

➤ If the job is successfully submitted, the following message appears on the same screen:

```
Job ZIND9S@ successfully submitted - request # 453 automatically created
```

➤ Keep this request number and your userid in mind or make a note for further references.
➤ Hit PF3 key to go back to menu 'Emergency Fix Procedure'. Automatically, this information
  will be passed to the prior menu.
➤ The message appears: 'Step 1 was successful'

```
16:14:34                    *** N A T - P A D ***                    1999-02-07
ZIND9S                     Emergency Fix Procedure                       NATPAD
                                                                        NPM00400

           Code
           ----   ----------------------------------------------------------
             1    Step 1
                  Copy from production to emergency fix library
                  ICIS/ICSTREET/JCLLIB ==> ICSFIX

           Now, change your program in ICSFIX before proceeding with step 2.

             2    Step 2
                  From emergency fix library back to production via development
                  ICSFIX ==> LBFIX ==> ICIS/ICSTREET/JCLLIB
                  Enter Request No: ___453 and UserID: ZIND9S   regenerated by
                  step 1 and make a note for future references.
                  ----------------------------------------------------------
        Enter
        Code: _




Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help        End        Find
Step 1 was successful
```

➔ **Hit page down key and PF1 to switch over to COMPROD. You will automatically be in
the ICSFIX library. Also, you can open second Rumba session for production.
Make necessary modifications to the NATURAL object(s) and stow them.
Then leave ICSFIX library with '.' or hit PF3 and select from window 'Exit function' function
'Exit without saving'.
Now, return to your previous COMTEST session to continue with NAT-PAD's EFIX
procedure.**

➤ Your request number and your userid still should be shown in menu 'Emergency Fix
  Procedure'
➤ If not, type in request number and your userid from your previous notes.
➤ Select code 2 and hit ENTER to view the screen showing request number, userid, and
  NATURAL objects to be moved

➢ Hit PF10 key to submit batch job to copy NATURAL source from ICSFIX to LBFIX. Source and object from ICSFIX will automatically be deleted if job step move was OK (see step 2 - attached flow chart). To interrupt move process hit PF3 to interrupt process

```
16:17:26                    *** N A T – P A D ***               1999–02–07
ZIND9S                       Emergency Fix Procedure                 NATPAD
                                                                    NPM00420

           Request Number:  453           Request UserID:  ZIND9S

NATURAL source(s) will be copied and object(s) deleted in 'From Lib'

From Lib        To Lib         Source(s)
ICSFIX          LBFIX          DIETER1







                                PF10: Data are correct, start migration
                                PF3:  Interrupt process

Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help        End                                       Subm
```

➢ After job is submitted screen 'NAT-PAD - List of Objects' displays request to check-out status of request or to continue with step 3 (LBFIX to NPTRANSx) and 4 (NPTRANSx to ICIS, ICSTREET, or JCLLIB).

```
16:18:45        * N A T – P A D – List of O b j e c t s *      1999–02–07
ZIND9S             – Request No 453  From Library LBFIX –            NATPAD
                                                                    NPM00200

Cont. with: _____    TransLib: NPTRANS1   TargLib: ICIS   Status:  intrans
                        Request Text: EFIX Procedure_____ No. Modules:      1
N/S/D (New/Status/Delete)
S DIETER1_ n/a      _ _____    _ _____ _     _____    _ _____












          I
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
          Info End   Sel   SelDt SelAl Top   Forw  Trans Subm  Delet
```

➢ Select object 'DIETER1' to display status of copied module.
➢ Hit PF3 key to go one step back

```
16:21:29                  *** N A T - P A D ***                 1999-02-07
ZIND9S                  Status of Copied Modules                    NATPAD
----------------------- Request Header -------------------------NPM00230
Request No 453      From User ZIND9S       Date: 1999/02/07    Time: 15:54
Text: EFIX Procedure         StartL: LBFIX   TargetL: ICIS  TransL: NPTRANS1
-------------------- Module DIETER1  Type n/a ----------------------------
Request    UserID    UserID    From    To       UserID    Copy       Copy Copy
Date       Initiat.  Acceptor Library  Library  Copied    Date       Time Stat.
1999/02/07 ZIND9S    EFIX     ICIS     ICSFIX   ZIND9S    1999/02/07 15:55 OK
1999/02/07 ZIND9S    EFIX     ICSFIX   LBFIX    ZIND9S    1999/02/07 16:18 OK
1999/02/07 ZIND9S    EFIX     ICSFIX   delete   ZIND9S    1999/02/07 16:19 OK




Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
+              End                            --     +
```

➢ Continue with step 3 (see attached flow chart) and copy from LBFIX to NPTRANSx library.
➢ Hit PF9 and pop-up window appears to confirm transition.
➢ Confirm transition with PF4 or interrupt with PF3

```
              Object Transition
     NATPAD                  NPM00210

     Please Confirm Transition!

     From DevLib:          LBFIX
     To TransLib:          NPTRANS1

     PF3=End;PF4=Copy
```

➢ Message 'Transition done' appears
➢ Start step 4 (see attached flow chart) by hitting PF10 key to copy from NPTRANSx to ICIS, ICSTREET, or JCLLIB

➢ Pop-up window appears to select (mark) your target library in production

```
                        Please Select Your Target
NATPAD                                                         PM00221
From Library: NPTRANS1          -          To Library
_ ICIS     (PROD)+arch _ ICSTREET (PROD)+arch _ COMBATCH (PROD)+arch
_ JCLLIB   (PROD)+arch _ I3AADHOC (PROD)      _ I4AADHOC (PROD)
_ ICSDST   (PROD)      _ ICSFIX   (PROD)      _ ICSPST   (SYST)
_ ICISAA   (SYST)      _ ICISHD   (SYST)      _ ICISRC   (SYST)
_ ICISSS   (SYST)      _ ICISST   (SYST)      _ ICISLG   (SYST)
_ JCLSYST  (SYST)      _ ICSPRD   (USAT)      _ ICSACPT5 (USAT)
_ JCLUSAT  (USAT)      _ ICSSCH   (USAT1)     _ JCLUAT1  (USAT1)
_ ICSUSAT2 (USAT2)     _ JCLUAT2  (USAT2)     _ ICSPRLL  (PRLL)
_ ICSTIE   (PRLL)      _ ICSSCR   (PRLL)      _ ICSCHURN (PRLL)
_ JCLPRLL  (PRLL)      _ ICSYR2K  (YR2K)      _ ICSYR2K1 (YR2K)
_ ICSYR2K2 (YR2K)      _ JCLYR2K  (YR2K)      _ ICSTRNG  (TRNG)
_ JCLTRNG  (TRNG)      _ ICSDEV   (TEST)      _ ICSTOOLS (TEST)
_ JCLTEST  (TEST)      _ ICSARCH  (TEST)      _ ICISCOPY (USAT2)
_ SNGLCOPY (PRLL)


                 PF3=exit      mark+ENTER=select
```

➢ Next pop-up window appears to confirm transition to production
➢ Hit PF4 key to submit batch job.

```
             Object Transition
        NATPAD                  NPM00210

        Please Confirm Transition!

        TransLib        NPTRANS1
        Target lib      ICIS

        PF3=End;PF4=Copy
```

Transition job contains the following steps:

➢ Unload NATURAL source from NPTRANSx to temp data set 1
➢ Unload source and object from ICIS, ICSTREET, or JCLLIB to temp data set 2
➢ Archive prior version of NATURAL source and object from ICIS, ICSTREET, or JCLLIB into NAT-PAD's ARCHIVE library
➢ Load NATURAL source from temp data set 1 into lib ICIS, ICSTREET, or JCLLIB
➢ CATALL copied source in lib ICIS or ICSTREET
➢ If CATALL was OK
  ➢ Set status OK in NAT-PAD
➢ If CATALL ends with RC 55:
  ➢ Delete new version in ICIS, ICSTREET, or JCLLIB
  ➢ Delete archived version in NAT-PAD's ARCHIVE
  ➢ Copy old source and object from temp data set 2 into library ICIS, ICSTREET, or JCLLIB
  ➢ Set status ERROR in NAT-PAD

NAT-PAD

> To check-out status of copied object(s) select (S) on object name
> Copy status 'SUB' of last line (NPATRANS1 to ICIS) should change into 'OK' if CATALL ends without error.

```
16:25:33                   *** N A T - P A D ***                    1999-02-07
ZIND9S                     Status of Copied Modules                     NATPAD
----------------------- Request Header ---------------------------NPM00230
Request No 453      From User ZIND9S       Date: 1999/02/07    Time: 15:54
Text: EFIX Procedure         StartL: LBFIX   TargetL: ICIS  TransL: NPTRANS1
-------------------- Module DIETER1   Type n/a ----------------------------
Request     UserID    UserID   From      To        UserID   Copy         Copy   Copy
Date        Initiat.  Acceptor Library   Library   Copied   Date         Time   Stat
1999/02/07  ZIND9S    EFIX     ICIS      ICSFIX    ZIND9S   1999/02/07  15:55  OK
1999/02/07  ZIND9S    EFIX     ICSFIX    LBFIX     ZIND9S   1999/02/07  16:18  OK
1999/02/07  ZIND9S    EFIX     ICSFIX    delete    ZIND9S   1999/02/07  16:19  OK
1999/02/07                     LBFIX     NPTRANS1  ZIND9S   1999/02/07  16:23  OK
1999/02/07                     NPTRANS1  ICIS      ZIND9S   1999/02/07  16:25  SUB




Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
+               End                          --      +
No more data
```

> Hit PF3 to go back to starting menu 'Emergency Fix Procedure'

```
16:28:27                    *** N A T - P A D ***                   1999-02-07
ZIND9S                    Emergency Fix Procedure                      NATPAD
                                                                     NPM00400

          Code
          ----   ---------------------------------------------------------
           1    Step 1
                Copy from production to emergency fix library
                ICIS/ICSTREET/JCLLIB ==> ICSFIX

          Now, change your program in ICSFIX before proceeding with step 2.

           2    Step 2
                From emergency fix library back to production via development
                ICSFIX ==> LBFIX ==> ICIS/ICSTREET/JCLLIB
                Enter Request No: _ 453 and UserID: ZIND9S   regenerated by
                step 1 and make a note for future references.
                ---------------------------------------------------------
        Enter
        Code: _




Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
     Help        End        Find
Step 2 was successful
```

Emergency Fix With NAT-PAD

LBFIX

ICSFIX

NPTRANSx

Step 2 - MOVE

Step 3 - COPY

Step 1 - COPY

Step 4 - COPY

**ICIS
ICSTREET
JCLLIB**

automatically

**NAT-PAD's
ARCHIVE**
all prior versions