Monitor for Failed Job

1. Type **GO LXIPAG/LXIPAG** from an OS/400 command line and press **Enter**.

```
MAIN                        IBM i Main Menu
                                                 System:    S78A99E0
Select one of the following:

     1. User tasks
     2. Office tasks
     3. General system tasks
     4. Files, libraries, and folders
     5. Programming
     6. Communications
     7. Define or change the system
     8. Problem handling
     9. Display a menu
    10. Information Assistant options
    11. IBM i Access tasks

    90. Sign off

Selection or command
===> go lxipag/lxipag

F3=Exit    F4=Prompt    F9=Retrieve    F12=Cancel    F13=Information Assistant
F23=Set initial menu

MA         B                                                      20/023
```

2. Select **Option 8** (Work with Events) from the Page and Message Management main menu and press **Enter**.

```
   Subsystem   Go   Help
--------------------------------------------------------------------------
LXIPAG                  Page and Message Management
                                                 System:    S78A99E0
Select one of the following:

     1. Send Page Messages
     2. Work with Pager Queues
     3. Work with Paging History
     4. Work with Directory Entries
     5. Work with Paging Groups
     6. Work with Pager Vendors
     7. Work with Standard Messages

  Monitoring Functions
     8. Work with Events
     9. Work with Recovery
    10. Work with Monitors
                                                                 More...
Selection or command
===> 8

F3=Exit    F4=Prompt    F9=Retrieve    F12=Cancel
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MA         B                                                      21/008
```

3. Scroll to the "**JOB_ABNORM**" entry, then select **Option 2** (Change) and press **Enter**.

```
                         Work with Events                        S78A99E0
                                                    11/29/22   14:18:23
  Position to  . . . . .   _____      Event ID

  Type options, press Enter.
    1=Create    2=Change    3=Copy    4=Delete    5=Display    6=Print    7=Rename
    8=Change Status

  Opt    Event ID     Type         Status        Description
   _     _____
   _     BADPASSWRD   *MSGQ        Active        Bad Password
   _     DISABLED     *MSGQ        Active        Disabled User
   _     FILE_LOCK    *MSGQ        Active        File Lock
   2     JOB_ABNORM   *MSGQ        Inactive      Job ended abnormally message
   _     JOB_END      *MSGQ        Inactive      Job ended message in QHST
   _     JOB_NORMAL   *MSGQ        Inactive      Job completed normally message
   _     JOB_START    *MSGQ        Inactive      Job started message in QHST
   _     LINE_STS     *CFGDSC      Inactive      Line Should Always Be Active
                                                                     More...
  Command
  ===>
  F3=Exit    F4=Prompt    F5=Refresh    F9=Retrieve    F12=Cancel    F17=Subset
  F18=Work with output

  MA     B                                                          15/003
```

4. This displays the event condition. Change the "**Status**" from "0" (Inactive) to "**1**" (**Active**), then select **Option 2** (Change) and press **Enter**.

```
                  Work with Message Queue Event Conditions        S78A99E0
                                                    11/29/22   14:19:48
  Event ID . . . . . . . :    JOB_ABNORM
  Event type . . . . . . :    *MSGQ        Message queue
  Status . . . . . . . .      0            0=Inactive, 1=Active
  Description  . . . . .       Job ended abnormally message

  Type options, press Enter.
    1=Create    2=Change    3=Copy    4=Delete    5=Display    8=Change Status

                                                          Severity
  Opt  Sequence  Status       Description                 Threshold
   2        5    Active       Job abnormal end CPF message      0




                                                                    Bottom
  Command
  ===>
  F3=Exit    F4=Prompt    F5=Refresh    F9=Retrieve    F11=View 2    F12=Cancel
  (c) Copyright LXI - 1985, 2021.
  MA     B                                                          22/007
```

5. This displays the event that will be monitored. For this event, Page and Message Management will monitor for message "**CPF1240**" (Job ended abnormally). Scroll to the second page.

```
                          Event Condition                          S78A99E0
                                                       11/29/22  14:21:53
    Event ID . . . . . . . :   JOB_ABNORM  Job ended abnormally message
    Event type . . . . . :   *MSGQ       Message queue
    Status . . . . . . . :   Inactive

    Type choices, press Enter.

    Sequence . . . . . . . .   5          1-99999
    Status . . . . . . . .   1          0=Inactive, 1=Active
    Description  . . . . .   Job abnormal end CPF message

    Severity Threshold . .   0          00-99
    Message Type . . . . .   *ALL       *ALL, type, F4 for list
    Message ID . . . . . .   CPF1240    *ALL, name, generic*
    Message File . . . . .   *ALL       *ALL, name, generic*
      Library  . . . . . .     *ALL       *ALL, name, generic*


                                                                 More...
    Command
    ===>
    F3=Exit    F4=Prompt    F9=Retrieve    F12=Cancel
```

6. On this display, you can enter additional parameters, if needed. When you're finished, press **Enter** until you return to the Page and Message Management main menu.

```
                          Event Condition                          S78A99E0
                                                       11/29/22  14:21:53
    Event ID . . . . . . . :   JOB_ABNORM  Job ended abnormally message
    Event type . . . . . :   *MSGQ       Message queue
    Status . . . . . . . :   Inactive

    Type choices, press Enter.

    From Job . . . . . . .   *ALL       *ALL, name, generic*
      User . . . . . . . .     *ALL       *ALL, name, generic*
      Program  . . . . . .     *ALL       *ALL, name, generic*

    Comparison data  . . .   *NONE



                                                                 Bottom
    Command
    ===>
    F3=Exit    F4=Prompt    F9=Retrieve    F12=Cancel

    MA   B                                                        09/027
```

7. From the Page and Message Management main menu, select **Option 10** (Work with Monitors) and press **Enter**.

8. Select **Option 6** (Release) to release the "***MSGQ**" monitor, then select **Option 5** for the "***MSGQ**" monitor and press **Enter**.

9. This displays the "Work with Message Queues to Monitor" panel. Select **Option 2** (Change) for the "**QSYSOPR**" message queue and press **Enter**.

```
                    Work with Message Queues to Monitor              S78A99E0
                                                          11/29/22  14:30:11
 Monitor status . . . :    Pending
 Position to  . . . . .     _____      Message Queue

 Type options, press Enter.
    1=Create    2=Change    3=Copy    4=Delete    5=Display    6=Release
    7=Display messages    8=Spooled files    9=Hold      10=Work with history
   11=Work with locks    13=Cleanup options

        Message
 Opt  Queue         Library    Description                    Status

  __   QHST          QSYS                                      Pending
  2    QSYSOPR       QSYS       System operator message queue  Pending



                                                                    Bottom
 Command
 ===> _____
 F3=Exit      F4=Prompt    F5=Refresh    F6=Monitor messages    F9=Retrieve
 F11=View 2   F12=Cancel   F14=Hold monitor    F15=Work with subsystem
 (c) Copyright LXI - 1985, 2021.
 MA   B                                                           15/003
```

10. Change "**Hold**" from "Y" (Yes) to "N" (No), then select **Option 2 (Change)** from the 'Work with Monitored Message Queue" panel for the "**JOB_ABNORM**" event and press **Enter**.

```
                     Work with Monitored Message Queue              S78A99E0
                                                          11/29/22  14:31:25
 Message queue  . . . :    QSYS/QSYSOPR         System operator message queue
 Hold . . . . . . . . :    N              Y=Yes, N=No
 Checking Interval . .     1              1-999 minutes
 Monitor while in use      Y              Y=Yes, N=No

 Type options, press Enter.
    1=Create    2=Change    3=Copy    4=Delete    5=Display

             ------Monitor------   ------Exclude------   -----Recovery------
 Opt  Sequence  ID         Active   Event       Active   List ID     Active

  _         5   ALL_INQ     Yes     ALL_PRTMSG   No      CNL_REPLY    Yes
  2        10   JOB_ABNORM  No      *NONE        N/A     PAGMSGDTXT   Yes
  _        15   DISABLED    Yes     *NONE        N/A     SEND_PAGE    Yes
  _        20   FILE_LOCK   Yes     *NONE        N/A     PAGMSGDTXT   Yes

                                                                    Bottom
 Command
 ===> _____
 F3=Exit    F4=Prompt    F5=Refresh    F9=Retrieve    F12=Cancel
 F13=Cleanup options    F19=Work with events    F24=More keys
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 MA   B                                                           16/003
```

11. This displays the Monitored Event panel. Nothing needs to be changed here, so scroll to the next page.

```
                              Monitored Event                      S78A99E0
                                                        11/30/22  08:30:15
     Message queue . :   QSYS/QSYSOPR        System operator message queue

     Type choices, press Enter.

     Sequence . . . . . . . . . .     10          1-99999
     Monitor for event:
       Event . . . . . . . . . . .    JOB_ABNORM    ID, F4 for list
       Event to exclude  . . . . :    *NONE         *NONE, ID, F4 for list
       Event deadline  . . . . . .    *NONE         *NONE, HHMM

     Recovery command list:
       ID  . . . . . . . . . . . .    PAGMSGDTXT    *NONE, ID, F4 for list
       ID for Event deadline . . .    *NONE         *NONE, ID, F4 for list

     Recovery ID variable (*QMSG)    F             F=First-Level, H=Header,
                                                     S=Second-level
                                                                      More...
     Command
     ===>
     F3=Exit    F4=Prompt    F9=Retrieve   F12=Cancel   F19=Work with events
     F20=Work with Recovery command Lists

    MA     B                                                        07/034
```

12. From here you can schedule the monitor, if needed. When you're finished, press **Enter** until you return to the Page and Message Management main menu.

```
                              Monitored Event                      S78A99E0
                                                        11/30/22  08:30:15
     Message queue . :   QSYS/QSYSOPR        System operator message queue

     Type choices, press Enter.

     Inactive schedule (HHMM):     Sun    Mon    Tue    Wed    Thu    Fri    Sat
       From  . . . . . . . . . . .   ____   ____   ____   ____   ____   ____   ____
       To  . . . . . . . . . . . .   ____   ____   ____   ____   ____   ____   ____

       From  . . . . . . . . . . .   ____   ____   ____   ____   ____   ____   ____
       To  . . . . . . . . . . . .   ____   ____   ____   ____   ____   ____   ____

       From  . . . . . . . . . . .   ____   ____   ____   ____   ____   ____   ____
       To  . . . . . . . . . . . .   ____   ____   ____   ____   ____   ____   ____

     Date / time last used . . . :   00/00/00    00:00:00

                                                                      Bottom
     Command
     ===>
     F3=Exit    F4=Prompt    F9=Retrieve   F12=Cancel   F19=Work with events
     F20=Work with Recovery command Lists
```

13. Select **Option 9** (Work with Recovery) from the Page and Message Management main menu.

```
 Subsystem   Go   Help
-------------------------------------------------------------------------
 LXIPAG                    Page and Message Management
                                                      System:   S78A99E0
 Select one of the following:

       1. Send Page Messages
       2. Work with Pager Queues
       3. Work with Paging History
       4. Work with Directory Entries
       5. Work with Paging Groups
       6. Work with Pager Vendors
       7. Work with Standard Messages

     Monitoring Functions
       8. Work with Events
       9. Work with Recovery
      10. Work with Monitors
                                                               More...
 Selection or command
 ===> 9

 F3=Exit    F4=Prompt    F9=Retrieve    F12=Cancel

 MA    B                                                       21/008
```

14. Scroll to the second page and select **Option 2** (Change) for the "**PAGMSGDTXT**" recovery list and press **Enter**.

```
                      Work with Recovery IDs                  S78A99E0
                                                   11/30/22   08:39:36
 Position to  . . . . .   _____   Command list ID

 Type options, press Enter.
   1=Create    2=Change    3=Copy    4=Delete    5=Display    6=Print    7=Rename
   8=Change Status

         Recovery
 Opt     List ID          Status         Description

   2     PAGMSGDTXT       Active         Page Actual Message Text
   _     PAGOUTQSTS       Inactive       Page Output Queue Status
   _     PAGWTRSTS        Inactive       Page Writer Status
   _     POP_MSG          Active
   _     POPSVR           Active
   _     SEND_PAGE        Active         Send an LXIpage message
   _     SPLF_MSG         Inactive       SNDMSG # of Splfs in outq
                                                               More...
 Command
 ===>
 F3=Exit    F4=Prompt    F5=Refresh    F9=Retrieve    F12=Cancel
 F18=Work with output

 MA    B                                                       13/003
```

15. From this display, Change the "**Status**" from "0" (Inactive) to "**1**" (**Active**), then select **Option 2** (Change) to change the recovery command and press **Enter**.

```
                        Work with Recovery Commands              S78A99E0
                                                      11/30/22   08:59:53
  Command list ID  . . :    PAGMSGDTXT
  Status . . . . . . . .    1       0=Inactive, 1=Active
  Description  . . . . .    Page Actual Message Text

  Type options, press Enter.
    1=Create   2=Change   3=Copy   4=Delete   5=Display   8=Change Status

  Opt  Sequence  Status       Description
   2        5    Active       Page msg text(Needs Dir Entry)




                                                                   Bottom
  Command
  ===>
  F3=Exit    F4=Prompt    F5=Refresh    F9=Retrieve    F11=View 2    F12=Cancel
  (c) Copyright LXI - 1985, 2021.
 MA     B                                                          22/007
```

16. This displays the actual Recovery Command (what happens when the event occurs). Ensure that the "**Status**" is "1" (Active), then tab to the command and press **F4** (Prompt).

```
                          Recovery Command                       S78A99E0
                                                      12/01/22   13:37:04
  Command list ID  . . :    PAGMSGDTXT  Page Actual Message Text
  Status . . . . . . . :    Active

  Type choices, press Enter.

  Sequence . . . . . . .    5           1-99999
  Status . . . . . . .     1           0=Inactive, 1=Active
  Description  . . . . .    Page msg text(Needs Dir Entry)
  Command  . . . . . . .    SNDPAGMSG MSG(*QMSG) TOUSERS((SMITH BILL))






                                        Command, SNDPAGMSG, SNDMSGRPY

  Command
  ===>
  F3=Exit    F4=Prompt   F9=Retrieve    F12=Cancel    F14=Work with Message Files
  F17=Work with Parameters


 MA     A                                                          11/027
```

17. Change the directory entry or paging group as necessary. The paging method can also be changed. Leave the default for the other parameters. Press **Enter** until you return to the Page and Message Management main menu.

```
                    Send Page Messages (SNDPAGMSG)

 Type choices, press Enter.

 Message (Alphanumeric / Email)   >  *QMSG


 _____
 _____
 _____
 _____
 _____ ...

 Message (Numeric / Telephone)  .   *DFTMSG
 Send to directory entries:        _
   Last name  . . . . . . . . . >  smith
   First name . . . . . . . . . >  bill
                 + for more values _
 Send to paging group . . . . . .   *NONE
 Include sender information . . .   *NO         *YES, *NO
 Subject (email delivery) . . . .   *BODY       *BODY, *SDR, *DFT, *NONE
 Paging method  . . . . . . . . .   *CONCURRENT  *CONCURRENT, *ESCALATE...
                                                              Bottom
 F3=Exit   F4=Prompt   F5=Refresh   F10=Additional parameters   F12=Cancel
 F13=How to use this display       F24=More keys

 MA         B                                              15/041
```

18. Select **Option 13** (Start Monitors) from the Page and Message Management main menu.

```
    Subsystem   Go   Help
 --------------------------------------------------------------------
 LXIPAG                  Page and Message Management
                                                  System:   S78A99E0
 Select one of the following:

   Miscellaneous Functions
     11. Work with Authority
     12. Work with Parameters
     13. Start Monitors
     14. End Monitors

   Cleanup Options
     15. Purge Paging History
     16. Purge Monitor History


                                                            Bottom
 Selection or command
 ===> 13

 F3=Exit   F4=Prompt   F9=Retrieve   F12=Cancel

 MA         B                                              21/009
                                                              Bott
```