



Monitor for Locked File

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
```



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3. Enter the name of the event and press **Enter**. In the example, the event we created is "FILE_LOCK", then select **Option 2** (Change) for this entry and press **Enter**.

```
Work with Events                                     S78A99E0
                                                    11/30/22 09:57:45
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
  1  FILE_LOCK
  -- ALL_DIAG      *MSGQ     Inactive    All Diagnostic messages
  -- ALL_ESCAPE    *MSGQ     Inactive    All Escape messages
  -- ALL_INQ       *MSGQ     Active      All *inquiry messages
  -- ALL_MSGS      *MSGQ     Inactive    All Messages Period
  -- ALL_PRTMSG    *MSGQ     Inactive    All Printer messages
  -- ANYBCHMSGW    *ACTJBS   Inactive    Any batch job/any sbs in MSGW
  -- ANYINTMSGW    *ACTJBS   Inactive    Any inter job/any sbs in MSGW
  -- ASP90PLUS     *SYSTEM   Inactive    ASP Percentage Used 90+
                                                    More...

Command
===>
F3=Exit  F4=Prompt  F5=Refresh  F9=Retrieve  F12=Cancel  F17=Subset
F18=Work with output
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MA B 10/017
```

4. This displays the event condition. Select **Option 1** (Create) and a sequence number and Press **Enter**.

```
Create Event ID                                     S78A99E0
                                                    11/30/22 09:58:24
Type choices, press Enter.
Event ID . . . . . : FILE_LOCK
Description . . . . : Monitor for Locked File
Event type . . . . : *MSGQ *ACTJBS, *CFGDSC, *CMD, *JOBQ,
                    *JRN, *MSGQ, *OUTQ, *SYSTEM

F3=Exit  F12=Cancel
Bottom
MA B 07/058
```



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5. This displays the event condition. Select **Option 1** (Create) and a sequence number and Press **Enter**.

```
Work with Message Queue Event Conditions                               S78A99E0
                                                                    11/30/22 09:59:28
Event ID . . . . . : FILE_LOCK
Event type . . . . . : *MSGQ      Message queue
Status . . . . . : 1             0=Inactive, 1=Active
Description . . . . . : Monitor for Locked File

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

Opt Sequence Status      Description              Severity
 1     5_____          (No records found)    Threshold

Command
===>
F3=Exit  F4=Prompt  F5=Refresh  F9=Retrieve  F11=View 2  F12=Cancel
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MA B 13/010
```

6. This displays the event that will be monitored. For this event, Page and Message Management will monitor for message “**RNQ1218**” (record lock) which has a severity of **90**. Scroll to the second page.

```
Event Condition                                                       S78A99E0
                                                                    11/30/22 10:01:27
Event ID . . . . . : FILE_LOCK  Monitor for Locked File
Event type . . . . . : *MSGQ    Message queue
Status . . . . . : Active

Type choices, press Enter.

Sequence . . . . . : 5_____  1-99999
Status . . . . . : 1          0=Inactive, 1=Active
Description . . . . . : _____

Severity Threshold . . : 90_____  00-99
Message Type . . . . . : *ALL_____ *ALL, type, F4 for list
Message ID . . . . . : RNQ1218    *ALL, name, generic*
Message File . . . . . : *ALL_____ *ALL, name, generic*
Library . . . . . : *ALL_____ *ALL, name, generic*

Command
===>
F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel
MA B 16/027
```



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- On this display, enter the name of the file lock to monitor in the “**Comparison data**” parameter. When you’re finished, press **Enter** until you return to the Page and Message Management main menu.

```

                                     Event Condition
                                     11/30/22  S78A99E0 10:01:27
Event ID . . . . . : FILE_LOCK   Monitor for Locked File
Event type . . . . . : *MSGQ     Message queue
Status . . . . . : Active

Type choices, press Enter.

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

Comparison data . . . : MSCITL_____

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

M@ B 13/033
```

- Select **Option 10** (Work with Monitors) 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

Selection or command
===> 10

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

M@ B 21/009
```



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9. Select **Option 6** (Release) to release the “*MSGQ” monitor (if needed), then select **Option 5** (Work with) for the “*MSGQ” monitor and press **Enter**.

```
Work with Monitors                                     S78A99E0
                                                    11/29/22 12:21:35
Monitor status . . . : Inactive
Type options, press Enter.
  5=Work with   6=Release   9=Hold   10=Work with history

Opt  Monitor      Description      Status
---  -
  ---  *ACTJBS      Active jobs      Pending
  ---  *CFGDSC      Configuration Description Held
  ---  *CMD        Command Monitor  Pending
  ---  *JOBQ       Job queue        Held
  ---  *JRN        Journal          Held
  5_  *MSGQ       Message queue    Pending
  ---  *OUTQ       Output queue     Held
  ---  *SYSTEM     System           Held

Command                                                    Bottom
===>
F3=Exit      F4=Prompt      F5=Refresh      F6=Monitor messages  F9=Retrieve
F12=Cancel   F14=Start monitor  F15=Work with subsystem  F24=More keys
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MA B                                                    15/003
```

10. This displays the “Message Queues to Monitor” display. Select **Option 2** (Change) for the “QSYSOPR” message queue and press **Enter**.

```
Work with Message Queues to Monitor                   S78A99E0
                                                    11/29/22 12:30:21
Monitor status . . . : Held
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

Opt  Message Queue  Library  Description      Status
---  -
  ---  QHST          QSYS     _____      Held
  ---  QSYSMSG      QSYS     _____      Held
  2_  QSYSOPR      QSYS     System operator message queue  Held

Command                                                    Bottom
===>
F3=Exit      F4=Prompt      F5=Refresh      F6=Monitor messages  F9=Retrieve
F11=View 2   F12=Cancel     F14=Release monitor  F15=Work with subsystem
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MA B                                                    16/003
```



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11. Select **Option 1** (Create) and a sequence number to add an entry to the message queue monitor and press **Enter**.

```
Work with Monitored Message Queue                                S78A99E0
                                                                11/29/22 12:32:34
Message queue . . . . : QSYS/QSYSOPR          System operator message queue
Hold . . . . . : Y                          Y=Yes, N=No
Checking Interval . . : 5                    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
  1     15
  -      5  ALL_INQ   No      ALL_PRTMSG No      PAGMSGDTXT No
  -     10  JOB_ABNORM No      *NONE     N/A     PAGMSGDTXT No

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 13/011
```

12. Enter the name of the event in the “**Event**” parameter (use **F4** if needed). Enter the recovery command in the “**ID**” parameter (use **F4** to select a recovery command). In the example, we used the “**PAGMSGDTXT**” as the recovery command. Scroll to the second page.

```
Monitored Event                                                S78A99E0
                                                                11/30/22 10:13:48
Message queue . : QSYS/QSYSOPR          System operator message queue

Type choices, press Enter.

Sequence . . . . . : 15                1-99999
Monitor for event:
  Event . . . . . : FILE_LOCK          ID, F4 for list
  Event to exclude . . . . . : *NONE    *NONE, ID, F4 for list
  Event deadline . . . . . : *NONE     *NONE, HHHM

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

Command
===>
F3=Exit  F4=Prompt  F9=Retrieve  F12=Cancel  F19=Work with events
F20=Work with Recovery command Lists
MA B 14/034
```



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13. The second page allows you to 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 10:13:48
Message queue . : QSYS/QSYSOPR      System operator message queue
Type choices, press Enter.
Inactive schedule (HHMM):
  From . . . . . Sun Mon Tue Wed Thu Fri Sat
  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
MA B                                           08/034
```

14. 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
```



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15. This is where you define what happens if the event occurs. 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 10:17:48
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

Opt  Recovery 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
```

16. 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 10:19:32
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
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MA B 22/007
```

