

Controlling the Environment

This section explains how to use Entire Event Management to control your data-processing environment once you have defined entities for components of the environment.

This section covers the following topics:

- Console Monitor
- Automation Rule Monitor
- Server Monitor

Console Monitor

▶ **To monitor the Logical Consoles which have been defined**

- Place the cursor on the Logical Console option under the Console Services heading on the Main Menu and press Enter.

The Console Monitor appears:

```

17:07:26          *** ENTIRE EVENT MANAGEMENT ***          16.07.96
Srv  145          - Logical Console Monitor -

Cmd Name      Act Aut Frz Message      Time relative      Time absolute      Srv
*
** ***** top of data *****
__ Adabas     Act Aut 0   ADA006      4 min 39 sec      96-07-16 17:02:32 145
__ BADEDAS    Act Aut 0   MESSAGE     5 min 49 sec      96-07-16 17:01:22 145
__ CICS       Act      0
__ ComplCmd   Act      0
__ Complete   Act      0
__ KOM        Act Aut 0   NCL5042     3 days 6 hrs      96-07-13 10:46:11 145
__ kom-ctrl   Act      0
__ KOMPLETT   Act      0   S           1 min 21 sec      96-07-16 17:05:51 145
__ MCONS     Act    0   $HASP534   6 sec          96-07-16 17:07:06 145
__ MSI01      Act Aut 0   RZMS02E     2 min 1 sec       96-07-16 17:05:10 145
__ Netpass    Act      0
__ Network    Act      0
__ NOPMON     Act Aut 0   MESSAGE     5 min 50 sec      96-07-16 17:01:22 145
__ Operator   Act Aut 0

Command ==> _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help           Exit  Flip  Rfind                Down                Menu
    
```

Note:
 The most recent message can be highlighted as designated in the **Important Display Fields** parameter of the **Set Color Assignments** user profile. For more information, see the subsection Setting Color Assignments in Section Using Entire Event Management.

Available Local Commands: Console Monitor

Autoref	Down	Find	Locate	Rfind	Top
---------	------	------	--------	-------	-----

Available Line Commands: Console Monitor

Line Command	Explanation
AU	List Automation Rules.
DI	Display Logical Console.

Field Descriptions: Console Monitor

- **Name**
You can enter selection criteria for the name of the Logical Console. Use an asterisk (*) as wildcard.
- **Act**
One of the following values appears in this field:

Value	Explanation
Act	The Console is active , that is: (1) the Message Log switch is on , (2) the current time is within the Console's activity period and (3) the current day in the assigned Calendar is not marked . Messages are routed to the Console.

- - -	<p>The Console is inactive, that is either:</p> <p>(1) the Message Log switch is off, (2) the current time is outside the Console's activity period or (3) the current day in the assigned Calendar is marked. No messages are routed to the Console.</p>
Exp	<p>Conditions (1) and (2) are the same as for Act, but the Calendar has expired. Messages are routed to the Console.</p>

- **Aut**
One of the following values appears in this field:

Value	Explanation
-------	-------------

Aut	Automation Rules are defined for the Logical Console and Automation is active , that is: (1) at least one rule is defined, (2) the Automation switch is on , (3) the current time is inside the Console's activity period and (4) the current day in the assigned Calendar is not marked . Automation Rules are executed.
-----	---

---	Automation Rules are defined for the Logical Console, but Automation is inactive , that is: (1) at least one rule is defined, but either (1) (2) the Automation switch is off , (3) the current time is outside the Console's activity period or (4) the current day in the assigned Calendar is marked . Automation Rules are not executed.
(blank)	There are no Automation Rules defined in the Logical Console.
Exp	Conditions (1) and (2) are the same as for Aut , but the Calendar has expired. Automation Rules are executed.

- **Frz**
The number of frozen messages currently in the Logical Console.
- **Message**
The message ID of the last message to arrive in the Logical Console.
- **Time relative**
The time elapsed since the arrival of the last message.

- **Time absolute**
Date and time when the last message arrived.
- **Srv**
Server which routed the last message to the Logical Console.

Viewing a Logical Console

 **To view a logical console**

- On the Console Monitor screen, enter DI in the two-character command line preceding the Console you want to view and press Enter.

The Logical Console screen appears displaying messages and message-related information with the colors and attributes and in the layout assigned to the Console you selected. For example:

Logical Console

```

12:46:21          *** ENTIRE EVENT MANAGEMENT ***                      96-09-26
Srv      *                - Logical Console -                          Log DB .. (9/79)
> Console .. SAG_Oper Active      Date .. 96-09-25                    Layout .. SAG_Oper
                                                                    Split ... ON

Cmd Time      Re Message Text                                          JobID
__ 18:11:57   _ .....1.....2.....3.....4.....5.....+ *_____
__ 18:11:57   IEF234E K 0811,003885,PVT,DB047S04,STEP010                      04812
__ 18:13:14   IEF234E K 0811,003887,PVT,DB014S04,STEP010                      04828
__ 18:16:17   IEF234E K 0812,003899,PVT,DB024S04,STEP010                      04811
__ 18:16:36   IEF234E K 0813,003898,PVT,DB050S04,STEP010                      04819
__ 18:17:03   IEF234E K 0811,003891,PVT,DB101S04,DMP101                       04829
__ 18:18:25   IEF234E K 0812,003900,PVT,DB182S04,STEP010                      04830
__ 18:19:13   IEF234E K 0812,003917,PVT,DB009PL1,STEP010                      04827
__ 18:20:39   IEF234E K 0811,003896,PVT,DB188S04,STEP010                      04831
__ 18:21:26   IEF234E K 0813,003911,PVT,DB192S04,STEP010                      04832
__ 18:52:06  24 IEC701D M 0811,VOLUME TO BE LABELED C80007                    04897
__ 18:58:49   IEF234E K 0811,003920,PVT,DB026PL1,STEP010                      04900
__ 19:00:18   IEF234E K 0811,003922,PVT,DB018PL1,STEP010                      04903
__ 19:27:27   IEF234E K 0811,003923,PVT,DB181PL1,STEP010                      04950
** ***** bottom of data *****

Command ==> _____
Autoref  Bottom  Cmd    Down   Left   +Merge  Right  Split  Top
+Bar     Cancel  Exit   Flip   Help   Keys    Menu   Quit   Tech
    
```

Available Local Commands: Logical Console

Autoref	Bottom	Cmd	Down	Find	Left
+Merge	Rfind	Right	Split	Top	Up

Available Line Commands: Logical Console

Line Command	Explanation
AL	Position to the (Act) Activity Console starting with time of related message.
AT	Position to the (Aut) Automation Console starting with time of related message.
DI	Display all message attributes.
FR	Freeze message.
LG	Position to the (Log) Server Log Console starting with time of related message.
MR	Invoke Automation Rule Monitor for messages which have activated Automation Rules.
RL	Release message.

Field Descriptions: Logical Console

- Console**
 Name of the Logical Console. You can change the Console name by simply entering a new name and pressing Enter. Enter an asterisk (*) and press Enter to open a selection window with all Logical Consoles. Use an asterisk (*) as wildcard to enter selection criteria for the Console.
- (Status of Console)**
 The status of the Console appears immediately following the Console name. One of the following values appears in this field:

Value	Explanation
Active	The Console is active , that is: (1) the Message Log switch is on , (2) the current time is within the Console's activity period and (1) (3) the current day in the assigned Calendar is not marked . Messages are routed to the Console.

Inactive	The Console is inactive , that is either: (1) the Message Log switch is off , (2) the current time is outside the Console's activity period or (3) the current day in the assigned Calendar is marked . No messages are routed to the Console.
Exp	Conditions (1) and (2) are the same as for Active , but the Calendar has expired. Messages are routed to the Console.

- **Date**
This is the date of the first message at the top of the screen. To position to the first message of another day, simply enter the new date here and press Enter.
- **Log DB**
This is the System File 3 pointer that is currently in use.
- **Layout**
This is the layout assigned to the Logical Console. To select another layout for temporary use, enter an asterisk (*) and press Enter. A selection window opens listing all Logical Console Layouts. Select a new layout with the cursor and press Enter.
- **Split**
Shows current split mode (ON or OFF).

The presentation of the following attributes depends on the selected layout.

- **Srv**
Enter a Server name to display only messages from a specific Server.
- **Time**
This is the time of the first message at the top of the screen. To position to the first message at another time, simply enter the new time here and press Enter. You can enter the time with or without minutes and seconds.
- **Job Name**

Enter the job name to display only messages from a specific job. Use an asterisk (*) as wildcard to enter selection criteria for the job name.

- **Job ID**

Enter the job ID to display only messages with a specific job ID. Use an asterisk (*) as wildcard to enter selection criteria for the job ID.

- **Message Text**

Message ID and text. Use PF11 to shift display to the right and PF10 to shift back to the left.

For a description of all attributes available in the Logical Console screen, see the field descriptions in the subsection Add a Logical Console Layout in Section Defining the Logical Environment.

Displaying All Attributes for a Message

▶ To display all attributes for a message

- On the Logical Console screen, enter DI in the two-character command line preceding the message you want to display and press Enter.

The Display Message window opens displaying all message attributes; for example:

Display Message window

```

12:46:21          *** ENTIRE EVENT MANAGEMENT ***                      96-09-26
Srv      *                - Logical Console -                          Log DB .. (9/79)
> Console .. SAG_Oper Active      Date .. 96-09-25                    Layout .. SAG_Oper
                                                                    Split ... ON
-----
!                               - Display Message -                               !
!                                                                           !
!   IEF234E K 0811,003885,PVT,DB047S04,STEP010                               !
!                                                                           !
!   MsgID ..... IEF234E                Server ..... 114                Job Name .... DB047S04 !
!   Date ..... 96-09-25                Severity ...                    Job ID ..... 04812    !
!   Time ..... 18:11:57.4              Priority ... 900                Job Type .... JOB     !
!                                       Frozen ..... X                Reply ID ....         !
!   Category ..                        Command Flag                    !
!   Source Node 114                    Response Flag N         !
!   Source Appl SYSCONS                Text Flag ... N        !
!   Range ..... SAG_Operator_Action_Messages                            Sequence .... 00182692 !
!                                                                           !
-----
Command ==>

Bar      Cancel  Exit    Flip   Help    Keys    Menu    Quit    Tech

```

Freezing a Message

▶ To freeze a message

- On the Logical Console screen, enter FR in the two-character command line preceding the message you want to freeze and press Enter.

The message remains on the screen when you scroll up or down.

Releasing a Frozen Message

▶ To release a frozen message

- On the Logical Console screen, enter RL in the two-character command line preceding the frozen message you want to release and press Enter.

The message no longer remains on the screen when scrolling.

Automation Rule Monitor

The Automation Rule Monitor provides detailed information about an activated Automation Rule and allows you to analyze its execution status.

For each message that has triggered an Event, you can display each Event or Event Tree with corresponding Actions and determine whether an Action has been executed or not. The Action definition is displayed as executed, including the current values of any defined Symbols. If an Action has not been executed, the reason is displayed.

▶ To display the automation rule monitor

- On the Logical Console screen, enter MR in the two-character command line preceding the appropriate message and press Enter.

The Automation Rule Monitor screen appears:

```

10:51:45          *** ENTIRE EVENT MANAGEMENT ***          16.07.96
                  - Monitor Automation Rule -

Console .. Xcmd          Root Time .. 16.07.96 10:12:39.9
Name ..... Xcmd-CMD      Events by .. 114 F-Mc
> Comment .. Demonstrate Action Type CMD.   Timeout ... 30 SEC

Time           Events
-----
***** top of data *****
10:12:39.9 1 Cmd Xcmd-CMD occured - Actions confirmed
            Trigger: EXECUTE (CONSOLE (AUT114) USER HKA): CMD DBID 009 TERM
10:12:42.5 -> CMD Xcmd-CMD executed by Server 114
            Operator Command ... F NUC009,DPARM
            Operator Command ... D NET,ID=DAEDC623
            DBID ..... 009
            TERMID ..... DAEDC623
***** bottom of data *****

Command ==> _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit Flip      Down      Menu

```

Event and Action Status Messages

Event Status

Status Message	Description
failed	Errors were detected.
not occurred	Event was not triggered.
occurred	Event was triggered.

Event Action Status

Status Message	Description
Actions confirmed	All assigned Actions have been confirmed.
Actions unconfirmed	At least one assigned Action has not been confirmed.
Actions waiting	At least one assigned Action is delayed.
no Actions assigned	Event has no assigned Actions.

Individual Action Status

(depending on Action type):

Status Message	Description	
executed	Action was executed	
failed	Action not executed because of errors detected by the Entire Event Management Server.	
transmitted (JOB, NAT, NET)	JOB	Entire Event Management submits a job to the operating system
	NAT	Entire Event Management has forwarded the Action to an asynchronous user task, but the confirm message is still pending.
	NET	Entire Event Management starts a Job Network in Entire Operations.
unconfirmed	Action is unconfirmed	
waiting	delayed Action (e.g. 6-37)	

Server Monitor

To monitor the Servers which have been defined

- Place the cursor on the Server option under the Console Services heading on the Main Menu and press Enter.

The Server Monitor screen appears:

```

15:05:18          *** ENTIRE EVENT MANAGEMENT ***          16.07.96
Srv      *          - Server Monitor -

Cmd Srv Machine  System  Status  Log DB  Last Message
-----
** ***** top of data *****
__ 114 F-Mc      MVS/XA  NCL Act 9/68
__ 148 F        MVS/XA  NPR Act 0/0
** ***** bottom of data *****

Command ==> _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit  Flip  Rfind      Down      Menu
    
```

Available Local Commands: Server Monitor

Down	Find	Locate	Rfind	Top
------	------	--------	-------	-----

Available Line Commands: Server Monitor

Line Command	Explanation
AL	View (Actnnn) Activity Console.
AT	View (Autnnn) Automation Console.
LG	View (Lognnn) Console.
MA	Activity Monitor
MS	Statistic Monitor
PC	View Physical Console.
OC	Issue an operator command
RE	Renew Server
ST	Start Server
TE	Shutdown (terminate) Server
UC	View (Udfnnn) Undefined Console.

Field Descriptions: Server Monitor

- **Srv**
The Server name.
- **Name**
The name of the machine which the Server is running.
- **System**

The operating system of the machine.

- **Status**

One of the following values can appear in this field:

Value	Explanation
NCL Act	Server is active.
NCL Attc	Server is attaching its subtasks.
NCL Err	Server is in error, for example when a subtask is lost.
NCL Load	Server is loading definitions from the Backup file into main storage.
NCL Pnch	Server is downloading definitions for the data base into the Backup file.
NCL Renw	Server is refreshing definitions in Backup file and main storage.
NCL Start	Server is starting.
NCL Term	Server is terminating.
NPR Act	Entire System Server is active.
NPR Lost	Entire System Server is not active.

NPR 5nnn	Entire System Server error <i>nnn</i> occurred while Entire System Server was being accessed.
-------------	---

- **Log DB**
The NCL System File 3 to which the Server is routing the messages.
- **Last Message**
The time elapsed since the last message was routed by the Server to **any** Console.

Server Activity Monitor

The Server Activity Monitor displays the Consoles served by the Server, when the last message arrived and to which Console it was routed, when and where the last Event occurred, the start and renewal time of the Server and the number of entities currently being used by the Analysis Task.

To display the server activity monitor screen

- On the Server Monitor screen, enter MA in the two-character command line preceding the Server to monitor and press Enter.

The Server Activity Monitor screen appears:

```

13:19:36          *** ENTIRE EVENT MANAGEMENT NCL--DEV ***          96-09-27
Srv  114          - Server Activity Monitor -

Server ..... 114 F-Mc      MVS/ESA  NCL Act  Started ... 96-09-27 11:39:43
Active .... 1 hr  39 min

Cmd Console  Act Last Msg      Aut Last Event
-----
** ***** top of data ***** Renewed ... 96-09-27 11:39:56
___ CICS      Act              Aut          First Msg . 96-09-27 11:40:30
___ HKA-Test Act              Aut          Last Msg . 96-09-27 13:19:35
___ TMON     Act              Aut          Active ... 1 hr  39 min
___ nclapi   Act              Aut          Last Event. Invalid-Adabas-Command
___ uksjuc-1 ---              Aut 13:19:35  1 sec ADAN43
___ UKSJUC-2 Act              Aut          Last (Log). 2 min 24 sec NCL5006
___ SAG_Ada  Act              Aut 13:19:35
___ SAG_CICS Act              Aut          Log DB ... 9/79
___ SAG_Com  Act              Aut          Storage ... 180224 Bytes
___ SAG_ComC Act              Aut          Ranges ... 36 Consoles ... 19
___ SAG_esy  Act              Aut          Events ... 77 Actions ... 56
___ SAG_dba  Act 13:19:35

Command ==> _____
(Act)  (Aut)  (Log)  (Udf)  Down  Renew  Shutdwn  Start  Top
+Bar   Cancel Exit   Flip   Help  Keys   Menu    Quit   Tech
    
```

Available Local Commands: Server Activity Monitor

(Act)	(Aut)	Down	Find	(Log)	Renew
Rfind	Shutdwn	Start	Top	(Udf)	

Available Line Commands: Server Activity Monitor

Line Command	Explanation
AU	List Automation Rules.
DI	Display Logical Console.

Field Descriptions: Server Activity Monitor**Top of Screen:**

- **Server**
The Server name.
- **(System)**
The field immediately to the right of the Server name displays the operating system of the machine.
- **(Status)**
The field immediately to the right of the (System) field displays Server status. For an explanation of the values which appear in this field, see the Status field under the Field Descriptions: Server Monitor heading.

Left Side of Screen:

The list on the left side of the screen displays information about the Consoles served by the Server:

- **Console**
Name of the Console served by the Server.
- **Act**
For an explanation of the values which appear in this field, see the Act field under the Field Descriptions: Console Monitor heading.
- **Last Msg**
Arrival time of the message which the Server last routed to the **respective** Console.
- **Aut**
For an explanation of the values which appear in this field, see the Aut field under the Field Descriptions: Console Monitor.
- **Last Event**
Time when the Event occurred which the Server last routed to the **respective** Console.

Right Side of Screen:

The list of fields on the right side of the screen displays Server information:

- **Started**
Time the Server was last started (START SERVER command).
- **Active**
Time elapsed since the Server was last started.
- **Renewed**
Time the Server was last renewed, that is, when definitions were last loaded from the Definition Data Base to the Backup file.
- **First Msg**
Time when the first message was processed after the last renew.
- **Last Msg**

Time at which the last message was processed after the last renew.

- **Active**
Time elapsed since the Server was last renewed.
- **Last Event**
The name of the Event which the Server last routed to **any** Console and the time elapsed since the last Event was executed.
- **Last (Log)**
Time elapsed since the last message was reported to the (Lognnn) Console. The message ID is also displayed.
- **Log DB**
Pointer to System File 3 of the Server.
- **Storage**
The amount of storage for definitions and active Events allocated by the Server in main memory.
- **Ranges**
The number of Message Ranges loaded for the Analysis Task.
- **Consoles**
The number of Consoles loaded for the Analysis Task.
- **Events**
The number of Root Events and dependent Events loaded for the Analysis Task.
- **Actions**
The number of Actions loaded for the Analysis Task.

Server Statistic Monitor

The Server Statistic Monitor displays statistics about messages processed by the Main Task and subtasks. This Monitor also displays the status of the tasks.

▶ To invoke the server statistic monitor

1. On the Server Monitor screen, enter MS in the two-character command line preceding the Server to monitor and press Enter.

The Server Statistic Monitor screen appears:

```

10:17:28          *** ENTIRE EVENT MANAGEMENT ***          16.07.96
Srv *            - Server Statistic Monitor -

Server . . . 114 F-Mc      MVS/ESA  NCL Act      Statistics:
                        API Receiver  Refreshed  0 sec
                        +-----+     Interval  15 min  35 sec
Main                  +-----+
0 +-----+           +-----+
---->! RUNNING !      ! RUNNING !
+-----+           +-----+
                        0 v
                        Collect        Analyze        Logging        Action
                        +-----+ 2 +-----+ 0 +-----+ 0 +-----+
                        ! RUNNING !---->! RUNNING !---->! RUNNING ! -->! WAITING !
                        +-----+  +-----+ ! +-----+ ! +-----+
                                                ----->
                        total 1/sec      total 1/sec      total 1/sec      total 1/sec
executed . .      402  0.4      400  0.4      400  0.4      0 0.000
suppressed .      2  0.1      0  0.0
Events . . .      0 0.000
Traffic . . . . 100.00 % . . 99.50 % . . 99.50 % . . 0.000 %

Command ==> _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help Auto Exit Flip Rfrsh                               Menu
    
```

The Server gathers data since the last START or RENEW. The time elapsed since the last START or RENEW is displayed in the Interval field.

2. Press PF5 (Rfrsh) to display the most recent statistics.

Time elapsed since last screen refresh is displayed in the Refreshed field.

Available Local Commands: Server Statistic Monitor

(Act)	(Aut)	Autoref	(Log)	Refresh	Renew	Shutdwn	Start	(Udf)
-------	-------	---------	-------	---------	-------	---------	-------	-------

Field Descriptions: Server Statistic Monitor

- **Server ...**
The **Server name**, followed by the **operating system** of the machine and **Server status** (as described for Top of Screen for the Server Activity Monitor). For an explanation of the values which appear in the Server status field, see the Status field under the Field Descriptions: Server Monitor heading.
- **Refreshed**
Time elapsed since the Monitor display was last refreshed (REFRESH command).
- **Interval**
Time elapsed since the last START or RENEW. The Server has been gathering statistics for this amount of time.

(Task Status)

The status of the various tasks is displayed in the five boxes. One of the following values appears:

Value	Explanation
ABEND	Task has ended abnormally.
INACTIVE	Task is not running.
RUNNING	Task is running.
WAITING	Task is waiting for incoming messages, Actions or commands.

(Statistics)

- **executed ... total**
Total number of messages or Actions processed by the respective task since the last START or RENEW.
- **executed ... 1/sec**
Average number of messages processed by the respective task per second since the last START or RENEW.
- **suppressed ... total (Collect)**
Total number of messages suppressed by the Collect Task since the last START or RENEW. These are the messages defined in Server Parameters as Suppressed Messages.
- **suppressed ... total (Analysis)**
Total number of messages suppressed by the Analysis Task since the last START or RENEW. The Analysis Task has decided that no Automation is necessary for these messages and that they need not be routed to any Console.
- **suppressed ... 1/sec (Collect/Analysis)**
Average number of messages suppressed by the respective task per second since the last START or RENEW.
- **Events ... total**
Total number of Events detected by the Analysis Task since the last START or RENEW.
- **Events ... 1/sec**
Average number of Events detected by the Analysis Task per second since the last START or RENEW.
- **Traffic**

Percentage by which each task reduced total incoming messages. The messages not processed by each task are compared with the total number of messages gathered by the Collect Task.

Viewing a Physical Console

The Physical Console displays all messages from the operating system of the machine served by the Server.

To view a physical console

- On the Server Monitor screen, enter PC in the two-character command line preceding the Server whose Physical Console you want to view and press Enter.

The Physical Console appears:

Physical Console

```

15:09:08          *** ENTIRE EVENT MANAGEMENT ***          16.07.96
Srv      *          - Physical Console -

Server .. 114  F-Mc      MVS/XA      NCL Act

*87 DFS996I *IMS READY*  IMS
      .HASP309      INIT  3 INACTIVE ***** C=K
- JOB 4276 IEF403I ALOADDOP - STARTED - TIME=15.07.45
- JOB 4275 IEF403I OPN2ASMT - STARTED - TIME=15.07.45
- JOB 4277 IEF403I HENAT22 - STARTED - TIME=15.07.58
- JOB 4278 IEF403I SMOASMC - STARTED - TIME=15.08.01
STC 4671 ZSR00006 (8) PROGRAM WSTIME ABEND S0C1 PSW=07AD0000000C7032
      DUMP=031
- JOB 4275 IEF404I OPN2ASMT - ENDED - TIME=15.08.09
- JOB 4276 IEF404I ALOADDOP - ENDED - TIME=15.08.09
      .HASP309      INIT 22 INACTIVE ***** C=W
      .HASP309      INIT  1 INACTIVE ***** C=G
STC 4264 ZVT2020 - LOSTERM LU=DAESF26      TID=0248 CODE=20
00- JOB 4278 IEF404I SMOASMC - ENDED - TIME=15.08.42
      .HASP309      INIT 26 INACTIVE ***** C=M

Command ==> _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help          Exit Flip          Menu

```

Available Local Commands: Physical Console

Autoref

Field Descriptions: Physical Console

- **Server**
The Server name. Change the name by simply entering a new name and pressing Enter. Enter an asterisk (*) and press Enter to open a selection window with all Servers.
- **(System)**
The field immediately to the right of the Server name displays the operating system of the machine.
- **(Status)**
The field immediately to the right of the (System) field displays Server status.
For an explanation of the values which appear in this field, see the Status field under the Field Descriptions: Server Monitor heading.

Viewing a System Console

Every defined Server has four **System Consoles**:

Actnnn - Activity Console

In the Activity Console, the Server reports the first and last message logged within each activity interval as well as execution statistics for this interval. This interval begins with a Server START or RENEW or with the restart of a Server subtask and ends with the next START, RENEW or subtask restart.

Autnnn - Automation Console

In the Automation Console, every Event detected and every Action executed by the Server is reported.

Lognnn - Console

In the Log Console, the Server reports its own activities and error conditions.

Udfnnn - Undefined Console

In the Undefined Console, the Server logs all messages which are not routed to a Console. This logging process can be restricted to an activity period set in the Server Parameters.

To view a system console

- **either:**
On the Server Monitor screen, enter the appropriate line command in the two-character command line preceding the appropriate Server (AL for the Activity Console, AT for the Automation Console, LG for the Log Console or UC for the Undefined Console) and press Enter. The selected System Console appears.
- **or:**
In the appropriate Server Activity Monitor or Server Statistic Monitor, enter the appropriate local command in the command line ((ACT) for the Activity Console, (AUT) for the Automation Console, (LOG) for the Log Console or (UDF) for the Undefined Console) and press Enter. The selected System Console appears.

Issuing an Operator Command

This function enables you to issue a command directly to the operating system.

To issue an operator command

- On the Server Monitor screen, enter OC in the two-character command line preceding the Server which is to issue the command and press Enter.

The Issue Operator Command window opens:

Issue Operator Command window

- On the Server Monitor screen, enter ST in the two-character command line preceding the Server to be started and press Enter.

The Start Server window opens:

Start Server window

```

15:06:59          *** ENTIRE EVENT MANAGEMENT ***          16.07.96
Srv      *          - Server Monitor -

Cmd Srv Machine System Status Log DB Last Message
-----
** ***** !          - Start Server -          !
__ 114 F- !
st 148 F ! Server . . . . . 114 F-Mc MVS/XA NPR Act !
** ***** !          !
! Task States          !
! Main Task . . . . INACTIVE          !
! Collect Task . . INACTIVE          !
! Analysis Task . . INACTIVE          !
! Logging Task . . INACTIVE          !
! Action Task . . . INACTIVE          !
!          !
! Backup File . . . . NCL.SYSF.SV114.BACKUP2          !
! Renewed . . . . . 16.07.96 13:46:45          !
!          !
-----
NCL2262 Please Confirm execution.
Command ==> _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit Flip Conf          Menu
    
```

 **To start the server**

- Press PF5 (Conf) or type CONFIRM in the command line and press Enter.

Available Local Commands: Start Server

Confirm	Renew	Shutdwn
---------	-------	---------

Field Descriptions: Start Server

- **Server ...**
The Server name, followed by the **operating system** of the machine and **Server status** (as described for Top of Screen for the Server Activity Monitor). For an explanation of the values which appear in the Server status field, see the Status field under the Field Descriptions: Server Monitor heading.

Task Status

One of the following values appears:

Value	Explanation
ABEND	Task has ended abnormally.
INACTIVE	Task is not running.
RUNNING	Task is running.
WAITING	Task is waiting for incoming messages, Actions or commands.

- **Backup File**
The Backup File with the most recent punch time stamp.
- **Renewed**
Time stamp of the most recent punch in the Backup File.

You can also start the Server from anywhere in Entire Event Management by invoking the direct command:

```
START SERVER [server-name]
```

The downloading of definitions when the Server is started depends on the parameter NCLREFR='Y'/'N' in the NCLENV block in the parameter member defined for the Server in the SYSSATU library. For further information, see the subsection Mandatory Parameter Blocks and Parameters for Entire Event Management in Section Installation and Customization - Mainframe.

The Server can also be started when it is in error status.

Renewing a Server

To invoke the Renew Server window

- On the Server Monitor screen, enter RE in the two-character command line preceding the Server to be renewed and press Enter.

The Renew Server window opens:

Renew Server window

```

15:08:36          *** ENTIRE EVENT MANAGEMENT ***          16.07.96
Srv      *          - Server Monitor -

Cmd Srv Machine  System  Status  Log DB  Last Message
-----
** ***** !          - Renew Server -          !
_  114 F !          !          !
re 148 F ! Server . . . . . 114 F-Mc      MVS/XA    NPR Act    !
** ***** !          !          !
          ! Task States          !
          ! Main Task . . . . INACTIVE    !
          ! Collect Task . . INACTIVE    !
          ! Analysis Task . . INACTIVE    !
          ! Logging Task . . INACTIVE    !
          ! Action Task . . . INACTIVE    !
          !          !
          ! Backup File . . . . NCL.SYSF.SV114.BACKUP2 !
          ! Renewed . . . . . 16.07.96 13:46:45    !
          !          !
-----
NCL2262 Please Confirm execution.
Command ==> _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit Flip Conf          Menu
    
```

▶ To renew the Server

- Press PF5 (Conf) or type CONFIRM in the command line and press Enter.

Available Local Commands: Renew Server

Confirm	Shutdown	Start
---------	----------	-------

Field Descriptions: Renew Server

- See Field Descriptions: Start Server on the preceding page.

You can renew the Server from anywhere in Entire Event Management by invoking the direct command:

```
RENEW SERVER [server-name]
```

Shutting Down a Server

▶ To invoke the Server Shutdown window

- On the Server Monitor screen, enter TE in the two-character command line preceding the Server to be shutdown and press Enter.

The Server Shutdown window opens:

Server Shutdown window

```

15:08:36          *** ENTIRE EVENT MANAGEMENT ***          16.07.96
Srv      *          - Server Monitor -

Cmd Srv Machine System Status Log DB Last Message
-----
** ***** !          - Server Shutdown -          !
_  114 F !          !          !          !          !
re 148 F ! Server . . . . . 114 F-Mc MVS/XA NPR Act !
** ***** !          !          !          !          !
          ! Task States          !          !
          ! Main Task . . . . INACTIVE          !          !
          ! Collect Task . . INACTIVE          !          !
          ! Analysis Task . . INACTIVE          !          !
          ! Logging Task . . INACTIVE          !          !
          ! Action Task . . . INACTIVE          !          !
          !          !          !          !          !
          ! Backup File . . . . NCL.SYSF.SV114.BACKUP2 !          !
          ! Renewed . . . . . 16.07.96 13:46:45 !          !
          !          !          !          !          !
-----
NCL2262 Please Confirm execution.
Command ==> _____
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
      Help      Exit Flip Conf          Menu
    
```

To shutdown the Server

- Press PF5 (Conf) or type CONFIRM in the command line and press Enter.

Available Local Commands: Server Shutdown

Confirm	Renew	Start
---------	-------	-------

Field Descriptions: Server Shutdown

See Field Descriptions: Start Server.

You can shutdown the Server from anywhere in Entire Event Management by invoking the direct command:

```
SHUTDOWN SERVER [server-name]
```

The shutdown process functions as follows:

- The Main Task of the Server tells its subtasks to shutdown in the following order:
 1. Collect Task
 2. Analysis Task
 3. Action Task
 4. Logging Task
- The subtasks confirm this request to the Main Task.
- The Collect Task, the first in the chain, stops collecting messages, and the other subtasks process their remaining input queues and shut them down in order.