

Entire Operations

Direct Commands

Version 5.5.2

September 2025

This document applies to Entire Operations Version 5.5.2 and all subsequent releases.

Specifications contained herein are subject to change and these changes will be reported in subsequent release notes or new editions.

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Document ID: NOP-ONOPREFERENCE-552-20250930

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Preface

You can use a direct command to directly perform an Entire Operations function.

You can enter a direct command on any screen or window that contains a **Command =>** input field (also referred to as the command line).

This document describes the Entire Operations direct commands:

Direct Command Syntax	Explains the syntax elements used in the descriptions of the Entire Operations direct commands.
Direct Commands in Alphabetical Order	Lists and describes the Entire Operations direct commands in alphabetical order.

1 About this Documentation

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Document Conventions

Convention	Description
Bold	Identifies elements on a screen.
Monospace font	Identifies service names and locations in the format <code>folder.subfolder.service</code> , APIs, Java classes, methods, properties.
<i>Italic</i>	Identifies: Variables for which you must supply values specific to your own situation or environment. New terms the first time they occur in the text. References to other documentation sources.
Monospace font	Identifies: Text you must type in. Messages displayed by the system. Program code.
{ }	Indicates a set of choices from which you must choose one. Type only the information inside the curly braces. Do not type the { } symbols.
	Separates two mutually exclusive choices in a syntax line. Type one of these choices. Do not type the symbol.
[]	Indicates one or more options. Type only the information inside the square brackets. Do not type the [] symbols.
...	Indicates that you can type multiple options of the same type. Type only the information. Do not type the ellipsis (...).

Online Information and Support

Product Documentation

You can find the product documentation on our documentation website at <https://documentation.softwareag.com>.

Product Training

You can find helpful product training material on our Learning Portal at <https://learn.software-ag.com>.

Tech Community

You can collaborate with Software GmbH experts on our Tech Community website at <https://tech-community.softwareag.com>. From here you can, for example:

- Browse through our vast knowledge base.
- Ask questions and find answers in our discussion forums.
- Get the latest Software GmbH news and announcements.
- Explore our communities.
- Go to our public GitHub and Docker repositories at <https://github.com/softwareag> and <https://hub.docker.com/publishers/softwareag> and discover additional Software GmbH resources.

Product Support

Support for Software GmbH products is provided to licensed customers via our Empower Portal at <https://empower.softwareag.com>. Many services on this portal require that you have an account. If you do not yet have one, you can request it at <https://empower.softwareag.com/register>. Once you have an account, you can, for example:

- Download products, updates and fixes.
- Search the Knowledge Center for technical information and tips.
- Subscribe to early warnings and critical alerts.
- Open and update support incidents.
- Add product feature requests.

Data Protection

Software AG products provide functionality with respect to processing of personal data according to the EU General Data Protection Regulation (GDPR). Where applicable, appropriate steps are documented in the respective administration documentation.

2 Direct Command Syntax

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This section explains the elements used within the syntax descriptions of Entire Operations direct commands.

Syntax Element	Meaning
ABCDEF or AbcDef	All uppercase non-italic letters (input not case-sensitive) or non-italic mixed-case letters (input case-sensitive) must be entered exactly as specified.
<u>ABCDEF</u>	If a word is partially underlined (not a hyperlink!), the underlined portion indicates the shortest possible abbreviations of a term.
<i>abcdef</i>	Letters in italics are used to represent variable information. You must supply a valid value when specifying this term.
[]	Elements contained within square brackets are optional. If the square brackets contain several lines stacked one above the other, each line is an optional alternative. You may choose at most one of the alternatives.
{ }	If the braces contain several lines stacked one above the other, each line is an alternative. You must choose exactly one of the alternatives.
	The vertical bar separates alternatives.
. . .	A term preceding an ellipsis may optionally be repeated. A number after the ellipsis indicates how many times the term may be repeated. If the term preceding the ellipsis is an expression enclosed in square brackets or braces, the ellipsis applies to the entire bracketed expression.
, . . .	A term preceding a comma-ellipsis may optionally be repeated; if it is repeated, the repetitions must be separated by commas. A number after the comma-ellipsis indicates how many times the term may be repeated. If the term preceding the comma-ellipsis is an expression enclosed in square brackets or braces, the comma-ellipsis applies to the entire bracketed expression.

Valid Name Specifications

If indicated in the syntax description of a direct command, you can select an item (such as a network or a job) by specifying either a single name or a range of names as described in the list of input options below where *value* is any combination of one or more alphanumeric characters:

Input	Names Selected
*	All names.
<i>value</i> *	All names that start with <i>value</i> . Example: AB* Selected: AB, AB1, ABC, ABEZ Not selected: AA1, ACB
<i>value</i> >	All names greater than or equal to <i>value</i> . Example: AB> Selected: AB, AB1, BBB, ZZZZZZZ Not selected: AA1, AAB
<i>value</i> <	All names less than or equal to <i>value</i> . Example: AX< Selected: AB, AWW, AX Not selected: AXA, AY
<i>value</i> ?	All names that start with <i>value</i> and end with any single character for each question mark (?) entered. Example: ABC? Selected: ABCA, ABCZ Not selected: AXC, ABCAA
<i>value?value</i>	All names that match and <i>value</i> combined with a question mark (?) in any order. Example: A?C Selected: ABC, ACC Not selected: ABCA, AC
???	All names with an exact length of three characters. Example: ??? Selected: ABC, DEF Not selected: AC, DEFA

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Direct Commands in Alphabetical Order

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ACTIVITY

ACTIVITY

The ACTIVITY direct command allows you to start the permanent activity display of Entire Operations directly.

For detailed information, see *Monitoring Entire Operations Activities* in the *User's Guide*.

ADD

	USER	
ADD	NETWORK	}
	JOB [network]	
	INCONDITION [job] [network]	
	CALENDAR	
	TABLE	
	RESOURCE	
	NODE [network]	
	CONDITION	

The ADD direct command is used to define a new Entire Operations object.

Syntax Description

Syntax Element	Description
USER	Add a user. See also <i>Viewing, Adding and Modifying a User</i> in the <i>Administration</i> documentation.
NETWORK	Add a network. See also <i>Adding a Network Definition</i> in the <i>User's Guide</i> .
JOB	Add a job master definition to a job network. See also <i>Adding a Job Definition</i> in the <i>User's Guide</i> .
INCONDITION	Add a master input condition to a job. See also <i>Adding and Modifying a Master Input Condition</i> in the <i>User's Guide</i> .

Syntax Element	Description
CALENDAR	Define a new calendar. See also <i>Adding a Calendar Definition</i> in the <i>User's Guide</i> .
TABLE	Define a new symbol table master. See also <i>Adding a Symbol Table Master</i> in the <i>User's Guide</i> .
RESOURCE	Define a new resource. See also <i>Adding and Modifying a Resource Master</i> in the <i>Administration</i> documentation.
NODE	Define a new node. See also <i>Displaying, Modifying and Adding a Node Definition</i> in the <i>Administration</i> documentation.
CONDITION	Add an active condition. See <i>Adding an Active Condition</i> in the section <i>Active Job Networks</i> in the <i>User's Guide</i> .
<i>job</i>	Name of the job to which the object belongs. You can use an asterisk (*) or asterisk notation to open a selection window with a list of available names: see Valid Name Specifications .
<i>network</i>	Name of the network to which the object belongs. You can use an asterisk (*) or asterisk notation to open a selection window with a list of available names: see Valid Name Specifications .

If you issue the command from a system screen in the Network and Job Maintenance facility and omit the *network* or *job* name parameter, the currently specified network and/or job is selected.

For further information, see *Defining and Managing Jobs* in the section *Job Maintenance* in the *User's Guide*.

EDIT

```
EDIT { JCL
      NPROSE } [name] [network]
      JPROSE }
```

The EDIT direct command provides direct access to the Entire Operations Editor to edit JCL, Natural programs or text descriptions at the network and job level. After editing the specified object, you can choose PF3 (End) to return to the screen from which you issued the EDIT command.

Syntax Description

Syntax Element	Description
JCL	Edit job JCL. If a job <i>name</i> is not specified, a window prompts you to select a job from a list of jobs available.
NPROSE	Edit the description of the currently selected network or the <i>network</i> specified with the command.
JPROSE	Edit the description of the currently selected job or the job specified with <i>name</i> .
<i>name</i>	Name of the object to be edited. (Not required if the object is NPROSE.) You can use an asterisk (*) or asterisk notation to open a selection window with a list of available names: see Valid Name Specifications .
<i>network</i>	Name of the network to which the object belongs. You can use an asterisk (*) or asterisk notation to open a selection window with a list of available names: see Valid Name Specifications .

If you issue the `EDIT` command from the Network and Job Maintenance facility and omit the *network* or *name* parameter, the editor opens for the currently selected network and/or job.

For further information, see *Editing Master JCL and Natural Sources* in the section *Job Maintenance*.

FIN

`FIN`

The `FIN` direct command terminates the Entire Operations session. It corresponds to the `QUIT` direct command.

HELP

`HELP [MSG message-id]`

The `HELP` direct command invokes the **Entire Operations Help** facility or displays the long message text of the message code specified with the command.

Syntax Description

Syntax Element	Description
<i>message-id</i>	<p>The 7-character ID of a system message returned by Entire Operations, Natural or BS2000 (if installed).</p> <p>Entire Operations messages begin with EOR, followed by a four-digit number, for example, EOR0930.</p> <p>Natural messages begin with NAT, followed by a four-digit number, for example, NAT0954.</p>



Notes:

1. Message text is displayed in the user language set in your environment, with a few exceptions where text can only be provided in English.
2. BS2000-specific message text is only displayed if you are logged on to a BS2000 node.

For further information, see the section *Online Help and System Messages* in the *User's Guide*.

LIST

LIST	}	USERS
		NETWORKS
		JOBS [<i>network</i>]
		INCONDITIONS [<i>job</i>] [<i>network</i>]
		EOJ [<i>job</i>] [<i>network</i>]
		CALENDARS
		TABLES
		RESOURCES
		NODES
		MAILBOX
		ACTIVE [<i>network</i>]
		CONDITIONS

The LIST direct command displays all objects that meet the selection criteria specified with the command. You can perform available functions on the object as normal and choose PF3 (End) to return to the screen from which you issued the LIST command.

Syntax Description

Syntax Element	Description
USERS	List of users.
NETWORKS	List of job networks.
JOBS	List of jobs that belong to the specified job network.
INCONDITIONS	List of input conditions.
EOJ	List of events and actions for End-of-Job checking.
CALENDARS	List of defined calendars assigned to the specified owner.
TABLES	List of symbol table masters.
NODES	List of defined nodes.
MAILBOX	List of mailbox messages and requests. Note: The use of the <code>LIST MAILBOX</code> direct command can be disallowed in the Entire Operations user profile: see the Show Mailbox Requests option described in the section <i>Monitoring Functions</i> in the <i>Administration</i> documentation.
ACTIVE	List of active jobs that belong to the specified job network.
CONDITIONS	List of active conditions.
<i>job</i>	Name of the job to which the object list belongs (input conditions, events in End-of-Job handling, dependencies). You can list a range of names by using an asterisk (*) or a greater than (>) or smaller than (<) sign: see Valid Name Specifications .
<i>network</i>	Name of the network to which the object list belongs (jobs, input conditions, End-of-Job handling, active jobs, dependencies). You can list a range of names by using an asterisk (*) or a greater than (>) or smaller than (<) sign: see Valid Name Specifications .

Examples of LIST

```
LIST ACTIVE NETWORK1
```

Displays the list of active jobs in the job network NETWORK1.

```
LIST NETWORKS DEMO*
```

Lists all networks with names starting with DEMO.

If you issue the `LIST` command from the Network and Job Maintenance facility and omit the *job* or *network* name parameter, the currently specified network and/or job is selected.

For further information, see *Listing Active Jobs for a Network* in the section *Network Maintenance* in the *User's Guide*.

LOG

LOG

The LOG direct command invokes the **Log Selection Display** screen where you can specify the required log. Choose PF3 (End) to return to the screen from which you issued the LOG command.

For further information, see the section *Log Information* in the *User's Guide*.

LOGOFF or LOGOUT

$$\left\{ \begin{array}{l} \text{LOGOFF} \\ \text{LOGOUT} \end{array} \right\} \left\{ \begin{array}{l} \text{NODE} \\ \text{SERVER} \\ \text{MONITOR} \end{array} \right\} \left\{ \begin{array}{l} \textit{node-number} \\ \textit{node-short-name} \end{array} \right\}$$

The LOGOFF (or LOGOUT) direct command logs off an Entire System Server node or prompts the Entire Operations Monitor to log off an Entire System Server node.

For z/OS: The security system access rights (RACF, for example) will be re-read by Entire System Server.

Syntax Description

Syntax Element	Description
LOGOFF or LOGOUT	LOGOUT and LOGOFF can be used synonymously. Logs off the specified Entire System Server node.
NODE or SERVER	Logs off the specified Entire System Server node. NODE and SERVER can be used synonymously.
MONITOR	Forces the Entire Operations Monitor to logoff a node and to perform a new logon on a node (when the node is used again). The logoff task is confirmed by an appropriate log message.
<i>node-number</i>	The node number, for example, 42.
<i>node-short-name</i>	The physical (short) node name, for example, N0042.

LOGON or LOGIN

{ LOGON }	{ NODE }	{ node-number }
{ LOGIN }	{ SERVER }	{ node-short-name }

The LOGON (or LOGIN) direct command logs in an Entire System Server node.

Syntax Description

Syntax Element	Description
LOGON or LOGIN	LOGON and LOGIN can be used synonymously.
NODE or SERVER	Logs on the specified Entire System Server node. NODE and SERVER can be used synonymously.
node-number	The node number, for example, 42.
node-short-name	The physical (short) node name, for example, N0042.

After this command has been issued a logon window (see *Logging on to an Operating System Server Node* in the *User's Guide*) appears.

For z/OS: The security system access rights (RACF, for example) will be re-read by Entire System Server.



Note: For each combination of UNIX or Windows node and user ID, at least one successful logon (by LOGON NODE) must have been made, before this combination can be used within the Entire Operations Monitor. These LOGON NODE commands must be repeated after a password modification on a UNIX or Windows system.

See also *Displaying Job Dependencies and Connecting or Disconnecting Jobs* in the section *Job Maintenance* in the *User's Guide*.

MAIL

MAIL

The MAIL direct command displays the contents of the user's mailbox.

For further information, see *Viewing Mailbox Messages* in the *User's Guide*.



Note: The use of the MAIL direct command can be disallowed in the Entire Operations user profile: see the **Show Mailbox Requests** option described in the section *Monitoring Functions* in the *Administration* documentation.

MENU

MENU

The MENU direct command returns directly to the Main Menu from any screen in Entire Operations.

For further information, see *Entire Operations Main Menu* in the section *Logging on to Entire Operations* in the *User's Guide*.

MODIFY

```

MODIFY {
  USER      userid
  NETWORK   network [owner] [version]
  JOB       [job] [network] [owner]
  SCHEDULE  network [owner] [version]
}

```

The MODIFY direct command provides direct access to Entire Operations definition screens containing current values of the selected object.

When you have modified the object data, choose PF3 (End) to return to the screen from which you issued the MODIFY command.

Syntax Description

Syntax Element	Description	For further information, see:
USER	User definition and user profile of a user.	<i>Viewing, Adding and Modifying a User</i> in the <i>Administration</i> documentation
userid	Entire Operations user ID (mandatory).	
NETWORK	Definition of a job network.	<i>Displaying and Modifying a Network Definition</i> in the <i>User's Guide</i>
JOB	Definition of a job in a job network (job master definitions only).	<i>Displaying and Modifying a Job Definition</i> in the <i>User's Guide</i>
SCHEDULE	Definition of a job network schedule.	<i>Scheduling a Network</i> in the <i>User's Guide</i>

Syntax Element	Description	For further informationen, see:
<i>job</i>	Name of the job to be modified.	You can use an asterisk (*) or asterisk notation to open a selection window with a list of available names: see Valid Name Specifications .
<i>network</i>	Name of the job network to be modified (mandatory).	
	With object type NETWORK: Name of the job network definition to be modified.	
	With object type SCHEDULE: Name of the job network, whose network schedule is to be modified.	
<i>owner</i>	Name of the network owner. By default, this is the owner of the current job network.	
<i>version</i>	Version of the job network to be modified.	

QUIT

QUIT

The **QUIT** direct command terminates the Entire Operations session. It corresponds to the **FIN** direct command.

REPORTS

REPORTS

The **REPORTS** direct command opens the **Reports** menu with a list of report types provided by the Entire Operations reporting facility.

For information on reporting, see the relevant section in the *User's Guide*.

SET

SET	LANGUAGE	[1]	[2]
	MAILBOX	[ON]	[OFF]
	ACTIVE	[A]	[E]
		[I]	[O]
		[N]	[S]
		[T]	[W]
	OWNER	[*]	[<i>owner</i>]
DEFAULT CCNF	[ON]	[OFF]	
EDITOR CAPS	[ON]	[OFF]	[QUERY]

The SET direct command allows you to change Entire Operations system settings directly from any system screen that contains the direct command line.

Syntax Description

Syntax Element	Description														
LANGUAGE	Sets the language of the Entire Operations screens and messages. Possible options: <table border="1"> <tr> <td>1</td> <td>English.</td> </tr> <tr> <td>2</td> <td>German.</td> </tr> </table>	1	English.	2	German.										
1	English.														
2	German.														
MAILBOX	Specifies automatic notification of pending conditions via mailbox when you wish to display the Entire Operations Main Menu. Possible options: <table border="1"> <tr> <td>ON</td> <td>Automatic notification.</td> </tr> <tr> <td>OFF</td> <td>No notification.</td> </tr> </table>	ON	Automatic notification.	OFF	No notification.										
ON	Automatic notification.														
OFF	No notification.														
ACTIVE	Sets the active database selection criteria. Possible options: <table border="1"> <tr> <td>A</td> <td>Display all active jobs.</td> </tr> <tr> <td>E</td> <td>Display all currently running jobs.</td> </tr> <tr> <td>I</td> <td>Display all jobs in JES input queue.</td> </tr> <tr> <td>N</td> <td>Display all jobs that terminated not OK.</td> </tr> <tr> <td>O</td> <td>Display all jobs that terminated OK.</td> </tr> <tr> <td>S</td> <td>Display all submitted jobs.</td> </tr> <tr> <td>T</td> <td>Display all terminated jobs.</td> </tr> </table>	A	Display all active jobs.	E	Display all currently running jobs.	I	Display all jobs in JES input queue.	N	Display all jobs that terminated not OK.	O	Display all jobs that terminated OK.	S	Display all submitted jobs.	T	Display all terminated jobs.
A	Display all active jobs.														
E	Display all currently running jobs.														
I	Display all jobs in JES input queue.														
N	Display all jobs that terminated not OK.														
O	Display all jobs that terminated OK.														
S	Display all submitted jobs.														
T	Display all terminated jobs.														

Syntax Element	Description
	W Display all jobs with pending prerequisites.
OWNER	<p>Changes the current owner name.</p> <p>By default, the name of the owner defined as Owner at Logon is used (see <i>Viewing, Adding and Modifying a User</i> in the <i>Administration</i> documentation).</p> <p>You can access all definitions belonging to the <i>owner</i> whose name you specify with the command, provided you are authorized to do so. See <i>Granting Definition: Authorizing Other Users or Owners to Access a Network</i> in the <i>User's Guide</i>.</p> <p>You can enter an asterisk (*) for a list of available owners.</p>
DEFAULT CCNF	<p>Default: Check for 'command not found'.</p> <p>See <i>UNIX and Windows Defaults for Event Checking</i>.</p> <p>This is a permanent and system-wide setting.</p>
	ON Setting enabled. Default.
	OFF Setting disabled.
EDITOR CAPS	<p>Default: OFF – By default, CAPS is OFF.</p> <p>Set the default CAPS profile while editing a file.</p>
	ON CAPS is ON. Editing in upper case.
	OFF CAPS is OFF. Editing in lower case.
	<p>QUERY</p> <p>Check the value set for CAPS, i.e. ON/OFF.</p> <p>This is displayed in the Entire Operations log, e.g.</p> <pre>Command entered: SET EDITOR CAPS QUERY ... Value: Y</pre>

Example of SET

```
SET MAILBOX OFF
```

Deactivates the automatic notification of pending conditions when you wish to display the Entire Operations Main Menu.

STATUS

STATUS	{	MONITOR	}
		NODES	
		ACTIVE	}

The STATUS direct command allows you to perform certain system functions. When you have issued the command, the Entire Operations Monitor handling window opens. You can now enter the appropriate instruction.

Syntax Description

Syntax Element	Description
MONITOR	<p>Displays the Entire Operations Monitor handling window. You can start and stop the Monitor from this window.</p> <p>Note: Even if the Entire Operations user profile setting for Monitor Start/Shutdown (Administration Functions) is set to N, this command allows a check of the Monitor status. See also <i>Administration Functions</i> in the <i>Administration</i> documentation.</p>
NODES	<p>Opens the Node Status screen and displays the status of all defined Entire System Server nodes.</p> <p>For more information, see the section <i>Logging on and off an Operating System Server Node</i> in the <i>User's Guide</i>.</p>
ACTIVE	<p>Opens the window for handling Entire Operations activity monitoring (see the section <i>Control of Activity Monitoring</i> in the <i>Administration</i> documentation).</p>



Note: The use of the STATUS direct command can be disallowed in the Entire Operations user profile: see the **Monitor Start/Shutdown** option described in the section *Administration Functions* in the *Administration* documentation.

TECH

TECH

The TECH direct command displays technical information on your current Entire Operations session:

- Software AG products and components (for example, the Software AG Editor of Natural) and versions used and their installation dates

Software AG product versions include service packs, cumulative fixes and hot fixes for Entire Operations (NOP) and System Automation Tools (SAT) if installed

- Node (Nd.) on which Entire System Server runs
- Natural program, map and library currently active
- Code page used
- User ID/name
- Current date and time
- Operating system/version installed
- TP monitor and terminal ID/type installed on the server (mainframes only)

XREF

XREF

The XREF direct command displays cross-reference information on user exit routines, symbol tables, JCL, nodes, resources and undefined Entire Operations objects.

For further information, refer to *Cross-References* in the *User's Guide*.



Note: The use of the XREF direct command can be disallowed in the Entire Operations user profile: see the **Cross-References** option described in the section *Reporting Functions* in the *Administration* documentation.