

# DEFINE LOG

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Messages are written to the console and one or more log files. Two logs, "CONSOLE" and "SYSLST", are automatically defined and configured for you. You may define additional logs with DEFINE LOG.

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Syntax: `DEFine LOG ID=id ,TYPE={PRinter} ,LOGICALUnit=lunit  
[,LINELength=num] [,TIMEstamp={Left|Right|None}] [,routes]`

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Arguments: ID= - An ID to be assigned to this entry. The recommended value is the same as used for LOGICALUNIT=.

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TYPE= - Indicates the type of log being defined. Currently, only the value "PRINTER" is supported.

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LOGICALUnit= - The logical device to be used (*e.g.*, SYS021). This option can be abbreviated as "LU="

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LINELength= - Numeric, 40 - 132

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This value indicates the maximum line length to be written. When a line exceeds this length, it is broken at a blank and a continuation character (>) is appended. This value may range from 40 through 132. If not specified, TCP/IP will select a values based on the device.

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TIMEstamp= A date and time stamp may be applied to each line. This can be on the left of each line, or on the right.

Left - Default. This log will have timestamps on the left of each line.

Right - This log will have timestamps on the right of each line.

None - This log will not have timestamps.

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*routes* - Optional values indicate message levels that added to or subtracted from the list of types to be logged. Note that the list will be processed from left to right, so specifying "ALL, -NODIAG" will ensure that everything but diagnostic messages will be written to this log.

By default, all messages are written to "printer" logs and all messages except diagnose are displayed on the console.

[NO]CRITical - Messages of a critical nature will be logged/suppressed.

[NO]VITAL - Messages of vital nature will be logged/suppressed.

[NO]WARNing - Warning messages will be logged/suppressed.

[NO]IMPORTant - Important messages will be logged/suppressed.

[NO]INFORMational - General informational message will be logged/suppressed.

[NO]RESPonse - Responses to commands will be logged/suppressed.

[NO]DIAGnose - Messages produced in response to the DIAGNOSE command will be logged/suppressed. Note that these messages can be both voluminous and rapid.

[NO]SECurity - Messages related to security will be logged/suppressed.

ALL - All message types will be logged.

NONE - No messages will be logged.

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## DEFINE LOG (continued)

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Example:

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IPN237I define log,id=sys007,type=printer,lu=sys007,linel=132
IPN237I modify log,id=syslst,nodiag
IPN237I modify log,id=console,nodiag
IPN237I query logs
IPN253I << TCP/IP Console Logs >>
IPT240I CONSOLE on CONSOLE
IPT241I   Line Length: 65 Lines per page: 0 Timestamp: None
IPT242I   Total lines: 0 Total pages: 0
IPT243I   Logging: Critical Vital Warning Important Info Response Security
IPT240I SYSLST on SYSLST
IPT241I   Line Length: 132 Lines per page: 86 Timestamp: Left
IPT242I   Total lines: 300 Total pages: 0
IPT243I   Logging: Critical Vital Warning Important Info Response Security
IPT240I SYS007 on SYS007
IPT241I   Line Length: 132 Lines per page: 0 Timestamp: None
IPT242I   Total lines: 44 Total pages: 0
IPT243I   Logging: All
```

Notes: • Be careful that all messages are recorded somewhere. Otherwise, when a problem occurs, it may be difficult to obtain the necessary diagnostic information.

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Related	MESSAGE	- Controls message suppression.
Commands:	MODIFY LOG	- Changes characteristics of a system log file.
	QUERY LOGS	- Displays available consoles and logs, along with their properties.

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