



This line item consists of two components:

1Support for reading operlog through SDSF/REXX

2Viewing the operlog interactively in color



SDSF/REXX was introduced in SDSF V1R9 and the ISFLOG command was added in SDSF V1R12 to read or allocate syslog.

The command is being enhanced in V1R13 to support reading of operlog.

Although syslog supports the allocate function (ISFLOG ALLOC TYPE(SYSLOG), this is not available with operlog.

ISFLOG is controlled through special variables that allow you to specify the date and time range of records to process.

		IBM
Usage and invocation (SDSF/RE	XX Operlog) (2 of 5)	
/* REXX */ /* Read last day of operlog */	Add host command environment	
<pre>rc=isfcalls("on") isfdate="mmddyyyy /" /* Date forma</pre>	t for special variables */	
currday=date("C") yesterday=currday-1	Prepare to set set start date	
<pre>isflogstartdate=date("U",yesterday,"C") isflogstarttime=time("N") isflogstopdate=date("U") isflogstoptime=time("N")</pre>	Set date/time range	
isflinelim=1000	Set maximum number of lines	
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In this example, we will read the last 24 hours of operlog.

The isflogstarttime and isflogstartdate variables are set 24 hours previous to the current time.

The isflogstoptime and isflogstopdate variables are set to the current time.

The isflinelim variable is used to limit the maximum number of lines returned in case there is not enough granularity in the start and stop time ranges.

	IBM
Usage and invocation (SDSF/REXX Operlog) (3 of 5)	
Address SDSF "ISFLOG READ TYPE(OPERLOG)"	
do ix=1 to isfmsg2.0 Display SDSF messages, if any end	
do ix=1 to isfline.0 say isfline.ix end Display lines read from OPERLOG	
<pre>rc=isfcalls("off")</pre>	
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In this example, the return code from SDSF is not checked but it is good practice to do so.

You should also check the messags returned by SDSF in the isfmsg2 stem that describe the processing of the command.



This is sample output from the isfmsg2 stem variable.

		IBM
Usage and invo	cation (SDSF/REXX Operlog) (5 of 5)	
Sample respo	onses (from isfline stem variable)	
M C000000 SY1 D D D D D D E NC0000000 SY2 NR000000 SY2 N 0000000 SY2	2011025 13:30:05.58 00000200 IXL015I STRUCTURE A 633 0000200 CONNECTIVITY=DEFAUL 633 0000200 CFNAME ALLOCAT 633 0000200 CFNAME ALLOCAT 633 0000200 LF01 INVALID 633 0000200 LF01 INVALID 633 0000200 LF02 NO CONN 633 0000200 SIGLISTS NO CONN 2011025 13:26:45.44 INTERNAL 00000290 CONTROL M,UEXIT=Y I 2011025 13:26:45.67 INTERNAL 0000090 IEA590I WTO USER EX 2011025 13:26:00.42 00000290 IEA371I SYS1.PARMLI	L O T I I Z E E E E I B
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The isfline stem variable contains the record from the operlog. This is the same format as is displayed interactively.



The operlog color function is only available when SDSF is running under ISPF.

	IBM
Usage and invocation (Operlog Color) (2 of 4)
Display Filter View Print Options Search Help	
COMMAND INPUT > set screen_ N 0000000 sv2 2011025 13:31:32.69 00000200 IEF1961 IE	Change colors with the
N 4040000 SY2 2011025 13:31:32:05 50000040 00000000 *TEE819E SM NR4000000 SY2 2011025 13:31:32:70 50000040 00000000 IST0931 AF	command.
NR4000000 SY2 NR4000000 SY2 NR4000000 SY2 NR4000000 SY2 NR4000000 SY2 NR4000000 SY2 NR4000000 SY2 NR4000000 SY2 NR4000000 SY2 NR4000000 SY2 NR400000 SY2 NR40000 SY2 NR400000 SY2 NR400000 SY2 NR400000 SY2 NR400000 SY2 NR40000 SY2 NR400000 SY2 NR40SY2 NR40SY2 SY2 SY2 SY2 SY2 SY2 SY2 SY2 SY2 SY2	PPLSMCS ACTIV AM INITIALIZ IOMPONENT ID /TAM STARTED /TAM HAS JOIN
NR4000000 SY2 2011025 13:31:32.73 S0000040 00000000 IST031 IS	TLSXCF ACTIV
M 4040000 SY2 2011025 13:31:32.99 S0000037 0000090 HZS00011 C	HECK(IBMCS,C
E 135 0000090 definition	is might not
N 0000000 SY2 2011025 13:31:33.02 00000200 TEF196T TE N 0000000 SY2 2011025 13:31:33.05 00000200 TEF196T TE	F23/I 0164 A F2851 SYS1
N 0000000 SY2 2011025 13:31:33.05 00000200 IEF196I IE	F285I VOL
M 4000000 SY2 2011025 13:31:33.49 00000200 TEF1961 TE M 4000000 SY2 2011025 13:31:34.56 00000290 BPXF0131 F	FILE SYSTEM Z
E 140 00000290 WAS SUCCES	SFULLY MOUNT
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This is a screen capture showing the operlog panel with colorized messages.

Use of color and highlighting makes it easier to find critical messages that may have been issued.

				IBM
Usage ar	nd inv	vocation (Operlog	Color) (3 of 4)	
o cago a		(openeg		
Display Filter	View Pr	nt Options Search Help		
SDSF OPERLOG D		Set Screen Characteristics	S 02- 81	
COMMAND INPUT =			===> CSR	
N 0000000 SY2	Select	he elements that you want to cu	istomize. 3/I 0980 A	
NR4000000 SY2		Pania anthing and takular and	JESZ ACTIV	
N 4040000 SY2		Basic sectings and cabular pane	IS IS WAITIN	
NR4000000 SY2		OPERLOG PARET	JESB ACTIV	
NR4000000 ST2			SMCS ACTIV	
NR4000000 ST2	E1-Holp	E12-Cancel	INITIALIZ PONENT TO	
NR4000000 SY2	M STAP	TED	PONENT ID	
N 4000000 SY2	201102	5 13:31:32 73 50000040 00000000	TST2158T VTAM HAS JOTN	
NR4000000 SY2	201102	5 13:31:32.73 \$0000040 0000000	TST093T_TSTLSXCF_ACTTV	
NR4000000 SY2	201102	5 13:31:32.73 s0000040 0000000	IST1214I FFST SUBSYSTE	
M 4040000 SY2	201102	5 13:31:32.99 S0000037 00000090	HZS0001I CHECK(IBMCS,C	
D		135 00000090	ISTH017E Communication	
E		135 00000090	definitions might not	
N 0000000 SY2	201102	5 13:31:33.02 00000200	IEF196I IEF237I 0164 A	
N 0000000 SY2	201102	5 13:31:33.05 00000200	IEF196I IEF285I SYS1	
N 0000000 SY2	201102	5 13:31:33.05 00000200	IEF196I IEF285I VOL	
N 0000000 SY2	201102	5 13:31:33.49 00000200	IEF196I IEF237I 048F A	
M 4000000 SY2	201102	5 13:31:34.56 00000290	BPXF013I FILE SYSTEM Z	
E		140 00000290	WAS SUCCESSFULLY MOUNT	
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Use Options->Set screen characteristics or the SET SCREEN command to display the selection panel.

Use the first option to change the color and highlighting of SDSF fields such as the panel title and column names.

Use the second option to change the color characteristics of operlog messages. You can also turn color off.

Jsage and	invocation (Operlog Color	(4 of 4	k)	IBR
	(- /	
isplay Filter Vie	Set Screen Characte	ristics: (OPERLOG Panel	
OSF OPERLOGDATE01DMMANDINPUT===>SE0000000SY220	/25 T s 110 Use color and highlighting 1	1. Yes	More: + 2. No	
4000000 SY2 20 4040000 SY2 20	¹¹⁰ ¹¹⁰ Type values to override the orig	uinal colo	r and highlighting	
20 20 20 20 20 20 20 20 20 20 20 20 20 2	$_{110}^{110}$ Press F5/17 to see changes.		and might griendy.	
4000000 SY2 20 4000000 SY2 20	110 110 Descriptor code	Color	Highlight Intensity	
4000000 SY2 20 4000000 SY2 20 4000000 SY2 20	110 1 - System failure 110 2 - Immediate action required	red		
4000000 SY2 20 4040000 SY2 20	110 3 - Eventual action required		Turne welvies to	
	5 - Immediate command response		change colors.	
0000000 SY2 20 0000000 SY2 20	₁₁₀ 6 - Job status 110 7 - Task-related			
0000000 SY2 20 0000000 SY2 20	110 8 - Out of line 110 9 - Operator's request			
4000000 SY2 20	10 - Not defined			
	11 - Critical eventual action 12 - Important information	YELLOW	HIGH	
	F1=Help F5=Refresh F6=Default	F11=Cua	attr F12=Cancel	

This is an example of the operlog color popup. Overtype the fields with the attributes you want based on descriptor code.

For messages with more than one descriptor code, SDSF uses the following hierarchy to determine the attributes to use: 1, 2, 11, 3, 12, 4, 5, 6, 7, 8, 9, 10, 13, 14, 16.

The values you enter are saved in the ISPF profile and thus are retained across SDSF sessions.



You can learn more about using operlog in MVS Planning Operations, SA22-7601.









Appendix - References

- SDSF Operator and Customization, SA22-7670-15
- SDSF REXXHELP command
 - Contains SDSF/REXX usage, syntax, and examples
- SDSF SEARCH command

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- Searches SDSF help system for word or phrase

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