abs Message IBM i Message & Resource Monitoring



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absMessage

Today's IBM i environments are increasingly complex with more and more critical enterprise applications and services being moved to and hosted on the IBM i. It is not uncommon for a company to have several hundred or even thousands of system messages across their IBM i server environment. Monitoring and reacting to the activity and resources of this complex environment is critical.

absMessage solves this problem by centralizing and automating message and resource monitoring for the IBM i with the flexibility to monitor and manage messages through multiple interfaces. absMessage interfaces include mobile devices, the 5250 green-screen, Web UI, and a Java GUI. absMessage is an all-in-one comprehensive IBM i message and resource monitoring solution.

Monitor & React

SEA offers one of the most comprehensive tools on the market to proactively manage the IBM i environment and eliminate system-related downtime. Users can monitor and react to messages and critical system resources including processor usage, disk space and jobs. They also have the ability to create alerts on messages and resource conditions. For example, users can set an email alert when a backup has successfully completed. The recipient of an absMessage alert can reply via email or from any of the absMessage interfaces mentioned above.

Local/Network View/Service Points

absMessage provides a centralized view of messages for local and networked IBM i machines. Users can select different colors for each networked IBM i server or LPAR to be displayed in the absMessage network console. System color coding gives operators the ability to sort messages in an easy and more efficient way. absMessage also color codes messages entering the console in a pending or inquiry status. Pending and informational messages appear in red and inquiry messages that have already been replied to or acknowledged appear in yellow. absMessage can also sort, view, and react to monitored messages using service points. Service points allow you to subset the IBM i systems you manage by a specific attribute and only work with messages from specific service point groups. Using service points, you can view monitored IBM i system messages belonging to a specific client, organization, division, or subset of your monitored systems.

Notifications, Escalations & Scripting

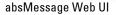
Using a built-in email client, absMessage provides organizations with the advantage of being notified once a message or resource condition is generated on the system. Don't have SLAs established? Not a problem. You can set up escalation intervals and notify multiple users that a message has gone unanswered. Not only can notifications and escalations be sent out, absMessage scripts can automate complex responses to messages. Scripts can conditionally reply to messages, execute commands, call programs, or issue messages.

absMessage filter processing can execute different scripts for the same message under different circumstances. For example, an environment may require an action on the first occurrence during business hours and another action during off-hours.

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	*INFO	2021-03-11 21:01:38:527684	CP11E81	PANDORA	PRIMARY GEO MIRROR	0			QCLNUSRM55	000004 of 000032 messages deleted from 58AA85.
	*INFO	2021-02-11 21:01:38.470346	CPI1E01	PANDORA	PRIMARY GEO MIRROR	0			QCLNUSRMSG	000006 of 000045 messages deleted from QPGMR.
	*INFO	2021-03-11 07:45:04.045115		SEA4001E	CUSTOMER 3 QA	80			QTFTP00015	helio from a dos command command linel
	?*INQ	2021-03-10 22:08:05.559306	CPA7025	SEA40010	CUSTOMER 3 PROD	99			QCLNSYSLOG	Receiver Q059C(1072 in QU595)5 never fully saved, 0 Q
	*INPO	2021-03-10 21:01:37.938109	CPI1E81	PANDORA	PRIMARY GEO MIRROR	0			QCUNUSRMSG	000001 of 000005 messages deleted from SEAABSMUSR.
	*INFO	2021-03-10 21:01:37.537779	CP11E81	PANDORA	PRIMARY GEO MIRROR	0			QCLNUSRMS6	000004 of 000032 messages deleted from SEA485.
5	*INFO	2021-03-10 21:01:37.891169	CP11E81	PANDORA	PRIMARY GEO MIRROR	0			QCLNU58M56	000006 of 000045 messages deleted from QPGMR.
	*INFO	2021-03-10 12:54:25.755696	ATP1301	\$5A4001D	CUSTOMER 3 PROD	10			QZLSRLE	Il Ransomware threat. 80NSIGNORE 172.24.8.168 - an unknown (zero-day) ransomware is pro
	*1550	2021-03-10 11:41:02.206207	ATF1301	SEA4001D	CUSTOMER 3 PROD	10			Q2LSFILE	Il Ransomware threat. BONSIGNORE 172.24.8.168 - a known ransomware is attacking (All indi
	*INFO	2021-03-10 10:03:43.483704	CPI8682	SEA4001E	CUSTOMER 3 QA	0			Q2LSSERVER	User profile MZUCKER disabled for IBM i Support for Windows Network Neighborhood acces
)	*INFO	2021-03-10 09:03:53.352109	CP18682	\$5A00015	CUSTOMER 3 QA	0			Q2LSSERVER	User profile M200XXX disabled for KM i Support for Windows Network Neighborhood acces
	7*INQ	2021-03-09 23:00:03.574649	CPA7025	SEA40010	CUSTOMER 3 PROD	22			PS#MAINT	Receiver #210560100 in SM210TA never fully saved, (LQ)
)	*INFO	2021-03-09 21:01:37.634803	CPI1E81	PANDORA	PRIMARY GEO MIRROR	0			QCLNUSRM55	000004 of 000032 messages deleted from SEAABS.
	*INFO	2021-03-09 21:01:37:554813	CP11E81	PANDORA	PRIMARY GED MIRROR	0			QUNUSRMSG	000005-of 000045 messages deleted from QPGMR.
1	*INFO	2021-03-09 16:30:21.444010	CPI0682	SEA4001E	CUSTOMER 3 QA	0			Q2LSSERVER	User profile M2UCKER disabled for IBM I Support for Windows Network Neighborhood acces
	*INFO	2021-03-09 16:32:49:607117	CPI8682	SEA4001E	CUSTOMER 3 QA	0			Q2LSSERVER.	User profile M2UCKER disabled for IBM I Support for Windows Network Neighborhood acces
	*INFO	2021-03-09 16:21:43.066737	CP18682	SEA4001E	CUSTOMER 3 QA	0			Q2LSSERVER	User profile M2UCKER disabled for IBM i Support for Windows Network Neighborhood acces
	?"NQ	2021-03-09 15:52:34.124247	CPA5305	SEA4001D	CUSTOMER 3 PROD	22			QPADEV0001	Record not added. Member PROD02 is full. (C I 9999)
	*INFO	2021-03-09 1-02-040-362227	CPI8682	SEA4001E	CUSTOMER 3 QA	0			QZLSSERVER	User profile MZUCKER disabled for IBM I Support for Windows Network Neighborhood acces
	7*INQ	2021-03-09 13:47:44.766644	CPA5305	\$EA4001D	CUSTOMER 3 PROD	99			QPADEV0001	Record not added. Member PROD01 is full. (C19999)
	*INFO	2021-03-09 10:54:58.588809	A9M1010	GOTHAM	GEO MIRROR SVS	0			QPRDEV0001	IAC and END_NOW sent to ARSWR0102 from ARSMEND at 2021-03-09-09.54.50.508096. Real
	*INFO	2021-03-09 10:54:58:585387	ABM1010	COTHAM	GEO MIRROR SYS	0			QPADEV0001	IAC end END_NOW sent to ABMEM from ABSMEND at 2021-03-09-09.54.58.585272. Reason to
	*INFO	2021-03-09 10:54:53.695937	A8M1031	GOTHAM	GEO MIRROR SYS	0			ABSMICEMON	Job Monitor process ended at 2021-08-09-09.54.53.695824. Reason is End Now IAC ond rowl.
	*INFO	2021-03-09 10:54:53:549240	A8M1010	GOTHAM	GEO MIRROR SVS	0			QPADEV0001	IAC and END_NOW pert to ABSM[OBMON from ABSMEND at 2021-03-09-09.54.53.547640. R
	?*INQ	2021-03-09 09:57:03.626529	CPA5305	5EA4001D	CUSTOMER 3 PROD	22			QPADEV0001	Record not added. Member PRD01 is full. (C I 9999)
	*INFO	2021-03-09-08:01:04.283663	156003	C20671PW	C2.DEV	50			DAV	Job 657082/Q05/DAV ended abnormally for Job DAV group KAT, GRP sequence Q3.
	*INFO	2021-02-09-08-01-04-246249	156008	C20671PW	C2.08Y	50			DAV.	Command sequence 0010 for job DAV group KAT_GRP sequence 03 ended in error.

3/13/19 12:	53:59 ab	sMess	age Conso	ile – Netw	ork View Release: 2.02.44
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Net System:	+ALLCUST				
Pos-to Date/	Time				
01/01/0001 0	0.00.00				
S=Display	L1=Level 1	L2=L	evel 2	R=Reply	ND=Notes WJ=WrkJob
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08.01.07	*INFO	50	IJS6003	C20671FW	Job 615646/QIJS/DAV ended abnor
08.01.07	+INFO	50	IJS6008	C20671FW	Command sequence 0010 for job D
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05.25.23	+INFO	70	CPP2988	SEA4001D	RAID protection suspended on co
00.01.02	+INFO	99	IJS1190	C20671FW	**Warning** fiscal calendar IMP
00.01.02	*INFO	99	IJS1189	C20671FW	**Warning** holiday calendar IM
00.01.02	+INFO	99	IJ51124	C20671FW	++Warning++ calendar IMPORTCAL
23.00.07	*INQ	99	CPA7025	SEA4001D	Receiver AUDRCV1215 in QSYS nev
23.00.01	+INQ	99	CPA7025	SEA4001D	Receiver F190590100 in SMZ1DTA
18.01.03	+INFO	50	IJ56003	C20671FW	Job 614371/QIJS/DAV ended abnor
18.01.03	*INFO	50	IJS6008	C20671FW	Command sequence 0010 for job D
08.01.06	+INFO	50	IJS6003	C20671FW	Job 613395/QIJS/DAV ended abnor
08.01.06	*INFO	50	IJS6008	C20671FW	Command sequence 0010 for job D
06.00.00	I *INFO	70	CPP2988	SEA4001E	RAID protection suspended on co
F3=Exit	F4=Refresh:	Тор	F5=Refre	sh F7=S	elect F9=More info More
F10=Unhide	F13=Local		F23=Mone	options	F24=More keys

5250 Green Screen Message Console



SEA

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Reply to IBM i Messages On Any Device

With absMessage, IBM i users can answer messages from anywhere. Whether it's a record lock message, hardware error message or a tape drive message, you'll never be caught off guard again. IBM i messages are answered as if the recipient is in the office.

absMessage Web UI

The absMessage Web UI gives IBM i users the ability to view messages on multiple systems and LPARs from any web browser. The absMessage Web UI allows users to manage their system messages in a local view for a single IBM i server and in a network view for multiple servers or LPARs.

The absMessage Web UI also provides users with the ability to view archived messages separately from live messages. Multiple access points and views enable users to reply to *INQ messages from PC, Apple, Linux, or mobile devices. The Web UI also features service point and dashboard views.

Calendar Events Processing

Calendar event processing provides the ability to respond to messages during specific dates and times. For example, end-of-month processing may require different message or notification handling than what's required during daily processing.

SNMP, SIEM, and ServiceNow Integration

SNMP traps and Syslog messages can be sent to network management products.

absMessage provides an IBM i command that interfaces directly with Security Information and Event Management (SIEM) systems such as Splunk, IBM QRadar, and AlienVault. This feature allows you to directly send IBM i messages to a SIEM system, creating IBM i-specific SIEM log entries.

IBM i-monitored events can be directly converted into ServiceNow incident tickets using absMessage commands, APIs and escalation procedures. Tickets can be generated using IBM i information and customizable ServiceNow templates & attributes.

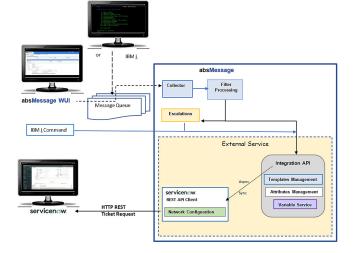
Create Smart Message Filters

Filters can be defined to match specific values, generic values, wild cards, or a list of values. Filtering can even scan message text or data for specific keywords. Message filter definitions allow messages to be selected by several different message attributes, including:

• Username

Program name

- Message type Job name
- Date method
- Time range
- Occurrence range
 Message text
- Message filename
- · Message file library
- Message severity
- Message identifier



How absMessage Converts IBM i Events into ServiceNow Tickets

QHST Monitoring

Monitoring QHST is a must for most organizations. QHST contains high-level trace job information, device status and operator messages. absMessage monitors message queues and the QHST history log.

Message Archiving

Message archiving saves system messages and any actions or replies associated with those messages for later reference.

absResource

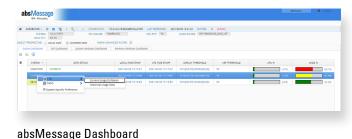
absResource is an important component of absMessage that monitors and reacts to system resources, generates messages, or runs customized scripts. It monitors and alerts via email, text message or CL command in response to resource conditions such as CPU utilization, DASD utilization, how many jobs are in queue waiting to run, or if a specific job/subsystem is active on a machine. Flexible scripting allows for automatic corrective action for problems that occur.

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Dashboards, Historical Trends, & Performance Analysis

absMessage provides a unique dashboard function that allows you to view CPU and DASD status for all monitored IBM i servers in real-time. Red-yellow-green indicators tell you whether any systems are throttling their CPU or breaching their storage thresholds.

The absMessage dashboard allows you to view and analyze historical CPU & storage performance. You can view resource performance peaks and valleys, identifying historical and current situations affecting system behavior. And when you find where a problem occurred, the dashboard helps you determine what was happening at that time.



Reporting

absMessage delivers multiple out-of-the-box reports that enable operators and administrators to investigate messaging tendencies and statistics. Summary and detail reports are also available.

Auto Distribution of Message Filters & Configuration

You can apply product fixes, upgrades, message filters, and absMessage configurations to multiple machines globally, no matter where your system is located. This configurability is part of a powerful set of change management techniques in which configurations may be managed from a single machine and then distributed to one or many other systems on the network. System management has never been easier.

Remote Install

absMessage simplifies the management of multiple IBM i servers and LPARs. The installation of absMessage can be deployed to a remote system without logging onto the target machine.

About SEA

Established in 1982, Software Engineering of America has built a worldwide reputation as a leading provider of Data Center software solutions. With products licensed at over 10,000 Data Centers worldwide, SEA's customers include 9 of the Fortune 10 and over 90% of the Fortune 500.

