

Fixed Bugs for Platform LSF™ Version 7 Update 3

Release Date: May 2008

The following bugs have been fixed in the May 2008 update (LSF 7 Update 3) since the November 2007 update (LSF 7 Update 2):

95571	Date	2008-04-29
	Description	brsvdel returns an exit code 0 when users try to delete a reservation ID which is not valid
	Component	brsvdel
	Platform	All
	Impact	Affects customer scripts which expect a non zero return value.

105479	Date	2008-04-29
	Description	bjobs shows "exit" status, bjobs -l shows "zombi" status
	Component	bjobs mbatchd
	Platform	All
	Impact	Cannot tell which status is correct, which may affect other running jobs

104503	Date	2008-04-29
	Description	The report of Active Job States Statistics by Queue is inaccurate.
	Component	mbatchd
	Platform	All
	Impact	Inaccurate data in LSF reports

91838	Date	2008-04-28
	Description	User job failed to query registry key of HKEY_CURRENT_USER
	Component	sbatchd.exe
	Platform	Windows
	Impact	User job may fail

72032	Date	2008-04-28
	Description	In AIX, lsrcp cannot work properly when source and target files are identical.
	Component	libbase.so liblsf.a res
	Platform	AIX
	Impact	The same file cannot be detected correctly on AIX

103932	Date	2008-04-28
	Description	Advance reservation files are not created under LSB_LOCALDIR when the duplicate event logging feature is turned on
	Component	mbatchd
	Platform	All
	Impact	Users may lose advance reservation definitions

102929	Date	2008-04-28
	Description	brequeue is not executing quickly because mbd always handle pending signals on other jobs first and keep retrying for them
	Component	mbatchd
	Platform	All
	Impact	Jobs cannot be brequeued because of being blocked by some jobs with re-trying pending signals.

99763	Date	2008-04-25
	Description	Both LS and LSF have to do scheduling to launch a job which has a requirement for an LS managed token. Often, there is contention for more than one type of resource (licenses, slots, memory are the usual ones). In a possible scenario, the job can satisfy all resource requirements but not the required LS token. In this case, mbatchd asks bld to reallocate for the demand. When bld does allocate sufficient tokens for the job, the scheduler may have consumed all slots already and the pending reason now changes to "not enough slots", and mbatchd removes the token demand. bld then deallocates based on lack of demand and the process can start all over when slots free up.
	Component	mbatchd
	Platform	UNIX
	Impact	Jobs cannot be dispatched

105542	Date	2008-04-25
	Description	mbatchd silently shuts down sbatchd connection
	Component	mbatchd
	Platform	All
	Impact	Reduced cluster usage and LSF mbatchd performance

104394	Date	2008-04-24
	Description	Project name is not assigned to user group name for job array when ENFORCE_FAIRSHARE_PROJ is enabled
	Component	mbatchd
	Platform	All
	Impact	User jobs may be charged with unexpected SAAP

102799	Date	2008-04-24
	Description	LSF integration with Linux-PAM to set resource limit for individual user/usergroups
	Component	bqueues bjobs sbatchd mbatchd
	Platform	All
	Impact	None

100453	Date	2008-04-24
	Description	lim under Xen always reports hardware information through Xen command
	Component	lim
	Platform	All
	Impact	Information reported by lim may be wrong

104141	Date	2008-04-23
	Description	"lsadmin limstartup" cannot start Symphony multi-head cluster
	Component	badmin lsadmin
	Platform	All
	Impact	Cannot start multi-head cluster

104026	Date	2008-04-23
	Description	Misleading application profile error message from bsub
	Component	n/a
	Platform	All
	Impact	Unclear error message

106144	Date	2008-04-22
	Description	Interactive job is terminated after sbatchd restart in LSF HPC/SLURM integration.
	Component	sbatchd
	Platform	linux2.4-glibc2.3-ia64-slurm linux2.4-glibc2.3-x86-slurm linux2.4-glibc2.3-x86_64-slurm linux2.6-glibc2.3-ia64-slurm linux2.6-glibc2.3-x86_64-slurm
	Impact	Interactive jobs are terminated prematurely after sbatchd restarts

105498	Date	2008-04-22
	Description	Code in xdr_parameterInfo() breaks backward compability
	Component	bparams mbatchd
	Platform	All
	Impact	bparams may fail in a partially upgraded cluster

104510	Date	2008-04-21
	Description	mbatchd is killed by SIGKILL but no relevant messages are logged.
	Component	mbatchd
	Platform	All
	Impact	No relevant mbatchd logs makes the troubleshooting difficult and time consuming

106243	Date	2008-04-20
	Description	With duplicate event logging enabled, mbatchd data replication child is slow.
	Component	sbatchd
	Platform	All
	Impact	Batch system not available

105385	Date	2008-04-18
	Description	Queue level and application level order[] string should not be ignored by any resource requirement
	Component	mbatchd
	Platform	All
	Impact	Incorrect resource requirements processing

91148	Date	2008-04-17
	Description	LSF dispatches a job submitted with a RUNLIMIT even though the job run time overlaps with an existing advance reservation.
	Component	bsub
	Platform	All
	Impact	Advance reservation cannot be used reliably.

96936	Date	2008-04-16
	Description	ntblstatus command exists on a system not equipped with Federation switches.
	Component	poejob
	Platform	AIX 5-32 AIX 5-64
	Impact	Job fails because LSF detects wrong integration type

105445	Date	2008-04-15
	Description	mbatchd hangs when duplicate event switching is turned on
	Component	mbatchd
	Platform	Linux 2.6
	Impact	mbatchd cannot start

92592	Date	2008-04-10
	Description	mbschd schedules jobs slowly with more than 300 resource requirements
	Component	schmod_default.so mbschd
	Platform	All
	Impact	Job dispatch is slow

105549	Date	2008-04-10
	Description	lim is unlicensed on HP-XC on linux2.6-glibc2.3-x86_64
	Component	lim
	Platform	linux2.6-glibc2.3-x86_64
	Impact	lim is unlicensed

103073	Date	2008-04-10
	Description	Replace ssh with blaunch and the job fails right away.
	Component	blaunch
	Platform	All
	Impact	After replacing ssh with blaunch, some jobs fail

102687	Date	2008-04-08
	Description	Redirect command "cleartool setview -exec "sbatchd -d /sw/platform/lsf/conf -s 8:6 -2" view" stdout/stderr into /tmp/daemons.wrap.log
	Component	daemons.wrap daemon.wrap
	Platform	UNIX and Linux
	Impact	None

99043	Date	2008-04-06
	Description	res periodically posts requests to master lim, causing master lim to slow down
	Component	res
	Platform	All
	Impact	Master lim slows down

96946	Date	2008-04-01
	Description	Cannot limit the job range for fairshare queue dynamic user
	Component	sbatchd mbatchd
	Platform	All
	Impact	Customer enhancement

103436	Date	2008-03-31
	Description	Isbevents loader core dumps parsing events with parallel jobs. Isb.stream is read by the loader.
	Component	LSF reporting
	Platform	All
	Impact	Isb.streams is not read by the Isbevents loader. All job related reports have no data.

105555	Date	2008-03-30
	Description	lim logs incorrect license requirement when more than 10,000 licenses needed
	Component	lim
	Platform	All
	Impact	Message in LIM log with incorrect license count

99731	Date	2008-03-27
	Description	Single parameter value in form of space seperated multiple string is broken to multiple parameter values in mpichp4 integration
	Component	mpirun.lsf mpichp4_wrapper
	Platform	All
	Impact	User application failure due to wrong parameters passed in

95661	Date	2008-03-27
	Description	With SLOTS_PER_PROCESSOR is set in Isb.resources, A job using advance reservation cannot be dispatched after suspending another normal job for slot during the active period of the reservation.
	Component	schmod_advrsv.so
	Platform	All
	Impact	Idle slots unusable, the job pends.

68729	Date	2008-03-27
	Description	When an advance reservation is active, and non advance reservation jobs are suspended, but the queue-level slots are not released defined by "QJOB_LIMIT". So users still cannot use the cpu reserved by advanced reservation.
	Component	
	Platform	All
	Impact	Users cannot use slots reserved by advanced reservation.

87837	Date	2008-03-25
	Description	mbatchd log is filled up with "rusageJob: Job fails in getJobData()" if a job is forced to be killed
	Component	bkill mbatchd
	Platform	All
	Impact	mbatchd logs many error messages and job remains running in sbatchd

103632	Date	2008-03-24
	Description	Support memory limit on both process level and job level in HPC cluster
	Component	bapp libbatch.so libbat.a sbatchd mbatchd
	Platform	All
	Impact	Customer enhancement

96563	Date	2008-03-20
	Description	NTBL_JOB_KEY in poejob is not generated correctly -- could be out of bounds
	Component	poejob
	Platform	AIX 5-32, AIX5-64
	Impact	Job fails

96209	Date	2008-03-20
	Description	InfiniBand integration on AIX needs to handle unavailable when IBM API returns zero ports
	Component	lsnrt_windows
	Platform	AIX 5-32, AIX 5-64
	Impact	Job fails if no ports are available for POE jobs over InfiniBand

95121	Date	2008-03-19
	Description	Network ID configured to be a large number with IPV6 enabled on AIX POE over InfiniBand becomes 0 when loading nrt windows
	Component	lsnrt_windows
	Platform	AIX 5.3-32, AIX 5.3-64
	Impact	nrt windows cannot be loaded correctly

105152	Date	2008-03-17
	Description	rla may die if it cannot delete a cpuset.
	Component	rla
	Platform	cpuset integration
	Impact	Minimal impact observed by the user since a new rla is started by the sbatchd.

101658	Date	2008-03-12
	Description	In MultiCluster environment, user submits a job to the remote cluster; - When the job has already done in the remote cluster, user still can see it from the local cluster. job usage information not sent back to submission cluster.
	Component	mbatchd
	Platform	All
	Impact	Job is not returned from the remote execution cluster. The job is gone from the remote cluster but still in running status in the submission cluster. bkill and bkill -r do not remove the job. "badmin mbdrestart" on the remote cluster needed to remove the job. Then, the job is in pending mode again in the submission cluster (and is dispatched again) and can be killed.

97668	Date	2008-03-11
	Description	LSF 7.0 LIM appends lsf.conf parameters in ego.conf without any warning or notification
	Component	LIM
	Platform	All
	Impact	Customer is not aware of changes made to ego.conf

102521	Date	2008-03-11
	Description	Job information is not cleaned out of fairshare queue if EXPIRED_HOURS is greater than or equal to CLEAN_PERIOD
	Component	mbatchd
	Platform	All
	Impact	Incorrect job information

103166	Date	2008-03-10
	Description	Output file can be written to root directory violating permissions
	Component	sbatchd
	Platform	AIX
	Impact	Security risk.

78745	Date	2008-03-10
	Description	Job name with wildcard characters does not match all matching jobs if JOB_DEP_LAST_SUB is set.
	Component	bparams mbatchd
	Platform	All
	Impact	Scripts that depend on the correct behavior do not work.

100261	Date	2008-03-10
	Description	Code bug in mbatchd causing confusing debugging data
	Component	mbatchd
	Platform	All
	Impact	Hard for support to do troubleshooting

102671	Date	2008-03-04
	Description	bsub may reject job submission even with a valid resource requirement string
	Component	bsub
	Platform	All
	Impact	Job fails to submit even with a valid resource requirement string

101470	Date	2008-03-03
	Description	LSF HPC pam cannot start without setting LSF_LIBDIR.
	Component	pam
	Platform	All
	Impact	LSF HPC jobs fail

102499	Date	2008-02-29
	Description	Non-admin user with no permission to a specific queue can bmod -q jobs to it if the jobs are forwarded from another cluster in MultiCluster environment
	Component	mbatchd
	Platform	All
	Impact	Non-admin user can use bmod -q to modify the jobs forwarded from submission cluster to a queue to which the user has no permission

102218	Date	2008-02-29
	Description	bjobs -l and bacct -l show jobs consuming more memory and/or swap space than the max value the given host has.
	Component	res
	Platform	windows
	Impact	Host is not available, affecting scheduling of other jobs.

102690	Date	2008-02-28
	Description	Submitting a JSDL job with non-TTY mode fails
	Component	bsub
	Platform	All
	Impact	Job fails

96667	Date	2008-02-25
	Description	Output of bpeek on other machine is slower than the output of bpeek on job execution host
	Component	bpeek
	Platform	All
	Impact	Performance issue

101311	Date	2008-02-21
	Description	No RMS distribution tar file available on Platform FTP site
	Component	all
	Platform	rms2.82-linux2.6-glibc2.3-ia64
	Impact	Customers cannot upgrade to LSF7.0 EP2

99696	Date	2008-02-19
	Description	PAM HP MPI integration does not work
	Component	pam
	Platform	HP-UX, Linux2.6-glibc2.3-x86_64
	Impact	If host IP addresses contain 0, pam loses track of remote processes and job is shut down prematurely.

102059	Date	2008-02-02
	Description	LIM failed to start with "Run time error R6034" on Windows XP-x64 and Windows 2003-x64
	Component	lsf6.2_win.exe
	Platform	win2003-x64 win2003-ia64
	Impact	LIM cannot start on win2003-x64 and win2003-ia64

100456	Date	2008-02-01
	Description	First character of output is missing for jobs submitted with bsub -lp/lp option
	Component	res
	Platform	Linux 2.4
	Impact	Cannot get exact output of the job.

94763	Date	2008-01-31
	Description	Cannot use lsrbp on files larger than 2 GB across AIX and HP-UX machines
	Component	lsrbp res
	Platform	AIX 5-32, AIX 5-64, HP/UX 11-32, HP/UX 11-64
	Impact	lsrbp does not work

99364	Date	2008-01-28
	Description	lstcsh missing in x86_64 or ia64 packages
	Component	lstcsh
	Platform	linux2.6-glibc2.3-ia64 linux2.6-glibc2.3-x86_64
	Impact	lstcsh not available

100443	Date	2008-01-28
	Description	With short jobs, EGO-SLA cannot get enough slots even there are free slots
	Component	mbatchd
	Platform	All
	Impact	SLA performance is not good.

99662	Date	2008-01-27
	Description	Jobs submitted to HP-UX IA64 exit with code 9
	Component	sbatchd
	Platform	HP-UX 11.31 IA64
	Impact	Jobs fail

96900	Date	2008-01-25
	Description	bsub on floating clients do not retry during lim restart, and get a wrong error message
	Component	lim
	Platform	All
	Impact	bsub on floating clients do not retry during lim restart

96047	Date	2008-01-25
	Description	Customer gets a confusing email when job is killed because "bsub -t" time constraint is earlier than "submission time +RUNLIMIT"
	Component	mbatchd
	Platform	All
	Impact	Inaccurate email message

93768	Date	2008-01-17
	Description	Adapter windows are not cleaned due to signal sent to the clean up program by LSF and conflicts in strtok() library calls
	Component	ntbl_api lsntbl_api poe_w poejob lsntl_api
	Platform	AIX5-32, AIX5-64
	Impact	Jobs fail or are not dispatched because of lack of adapter windows

101146	Date	2008-01-16
	Description	brsvs fails for system advance reservations on a host with MXJ=0
	Component	mbatchd
	Platform	All
	Impact	brsvs does not work.

99700	Date	2008-01-15
	Description	Job does not dispatch after job is requeued several times
	Component	mbschd
	Platform	All
	Impact	Jobs are not dispatched

100544	Date	2008-01-09
	Description	After a job is DONE in a fairshare queue and EXPIRED_HOURS is set, mbatchd goes down and does not restart.
	Component	mbatchd
	Platform	All
	Impact	Batch system not available

100642	Date	2008-01-08
	Description	Chunk jobs submitted using job arrays stay in WAIT status. When job ID is equal to mbatchd PID on the remote execution host, sbatchd loses track of the job.
	Component	sbatchd
	Platform	All
	Impact	Chunk job feature not available

97704	Date	2008-01-02
	Description	Run limit that bhist displays on execution host is changed
	Component	bhist
	Platform	All
	Impact	Incorrect run time is displayed by bhist

99424	Date	2007-12-26
	Description	LSF does not schedule job according to host preference when resource_reserve and host partition fairshare is defined but not used
	Component	schmod_reserve.so schmod_parallel.so
	Platform	All
	Impact	Jobs may be scheduled incorrectly to low preference host

98150	Date	2007-12-13
	Description	pem/vemkd memory usage jumps to GB
	Component	pem, vemkd
	Platform	All
	Impact	Machines running out of memory

97588	Date	2007-11-20
	Description	Wrong dependency syntax may cause MBD hang.
	Component	mbatchd
	Platform	All
	Impact	mbatchd system is down

95120	Date	2007-11-08
	Description	poejob should export MP_MSG_API
	Component	poejob
	Platform	AIX 5.3-32, AIX 5.3-64
	Impact	Job runs over IP instead of InfiniBand

90702	Date	2007-10-19
	Description	Job starter cannot register task start event to pam due to host name resolution issue
	Component	taskstarter pam
	Platform	All
	Impact	When task registration fails, pam kills the job

Technical Support

support@platform.com
www.platform.com

North America: +1 905 948 4297
Europe: +44 1256 370 530
Asia: +86 10 6238 1125
Toll-free: 1-877-444-4573

Platform Support
Platform Computing Corporation
3760 14th Avenue
Markham, Ontario
Canada L3R 3T7

Copyright

© 1994 - 2008 Platform Computing Corporation

All Rights Reserved.

Although the information in this document has been carefully reviewed, Platform Computing Corporation ("Platform") does not warrant it to be free of errors or omissions. Platform reserves the right to make corrections, updates, revisions or changes to the information in this document.

UNLESS OTHERWISE EXPRESSLY STATED BY PLATFORM, THE PROGRAM DESCRIBED IN THIS DOCUMENT IS PROVIDED "AS IS" AND WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. IN NO EVENT WILL PLATFORM COMPUTING BE LIABLE TO ANYONE FOR SPECIAL, COLLATERAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, INCLUDING WITHOUT LIMITATION ANY LOST PROFITS, DATA, OR SAVINGS, ARISING OUT OF THE USE OF OR INABILITY TO USE THIS PROGRAM.

Document redistribution policy : This document is protected by copyright and you may not redistribute or translate it into another language, in part or in whole. You may only redistribute this document internally within your organization (for example, on an intranet).

Trademarks

LSF is a registered trademark of Platform Computing Corporation in the United States and in other jurisdictions.

ACCELERATING INTELLIGENCE, THE BOTTOM LINE IN DISTRIBUTED COMPUTING, PLATFORM COMPUTING, CLUSTERWARE, PLATFORM ACTIVECLUSTER, IT INTELLIGENCE, SITEASSURE, PLATFORM SYMPHONY, PLATFORM JOBSCHEDULER, PLATFORM INTELLIGENCE, PLATFORM INFRASTRUCTURE INSIGHT, PLATFORM WORKLOAD INSIGHT, and the PLATFORM and LSF logos are trademarks of Platform Computing Corporation in the United States and in other jurisdictions.

UNIX is a registered trademark of The Open Group in the United States and in other jurisdictions.

Microsoft is either a registered trademark or a trademark of Microsoft Corporation in the United States and/or other countries.

Windows is a registered trademark of Microsoft Corporation in the United States and other countries.

Other products or services mentioned in this document are identified by the trademarks or service marks of their respective owners.