

## Fixed Bugs for Platform LSF™ Version 7 Update 5

Release Date: March 2009

The following bugs have been fixed in the March 2009 update (LSF 7 Update 5) since the October 2008 update (LSF 7 Update 4):

122405	Date	2009-03-20
	Description	Customer job remains in RUNNING state after execution host crashes and restarts.
	Component	sbatchd
	Platform	All
	Impact	Incorrect job status and host underutilization.

117599	Date	2009-03-20
	Description	Following a brequeue, the job fails due to missing job buffer files.
	Component	sbatchd
	Platform	Cray
	Impact	brequeue command doesn't work.

114627	Date	2009-03-20
	Description	According to documentation 3 parameters are required to turn on dynamic adding of hosts: <ul style="list-style-type: none"> <li>▪ LSF_MASTER_LIST</li> <li>▪ LSF_HOST_ADDR_RANGE</li> <li>▪ LSF_DYNAMIC_HOST_WAIT_TIME</li> </ul> In reality only the first 2 parameters are required to add hosts dynamically.
	Component	lim
	Platform	All
	Impact	Customers are unintentionally adding hosts to the cluster dynamically.

121696	Date	2009-03-18
	Description	Customer job remains in the RUN state without running if the pre-exec fails once.
	Component	sbatchd
	Platform	All
	Impact	Job doesn't run and host resources are wasted.

118519	Date	2009-03-16
	Description	When jobs allocate memory and fork child processes, the memory usage showed by bjobs -l is not correct since the shared memory is calculated more than once.
	Component	
	Platform	All
	Impact	The exact physical memory usage information is incorrect for jobs using shared memory between parent and child processes.

120639	Date	2009-03-13
	Description	After installing the latest IBM service pack for POE over InfiniBand, User Space POE jobs always fail in LSF due to negative node numbers.
	Component	
	Platform	AIX
	Impact	Users cannot run POE jobs.

122383	Date	2009-03-09
	Description	Isload reports incorrect utilization values.
	Component	lim
	Platform	Solaris
	Impact	CPU utilization cannot be reported correctly.

122240	Date	2009-03-09
	Description	Parameter MAX_JOB_PREEMPT does not control the number of times a License Scheduler job can be preempted.
	Component	mbschd, License Scheduler package mbatchd
	Platform	All
	Impact	Jobs using limited licenses may be preempted many times.

120018	Date	2009-03-09
	Description	The bjobs command reports a job is in the RUNNING state although the job has already exited leaving the application res stuck on a win2003 server.
	Component	res
	Platform	Windows
	Impact	Job does not finish.

118801	Date	2009-03-09
	Description	lspasswd times out on receiving a reply from the lim.
	Component	lim
	Platform	All
	Impact	lspasswd fails and jobs aren't submitted.

113707	Date	2009-03-09
	Description	MPI jobs get different results when run both externally and within LSF.
	Component	intelmpi_wrapper mpich2_wrapper
	Platform	Linux
	Impact	The MPI local option is set to global and program may run wrong arguments.

111018	Date	2009-03-09
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	Description	The command bjobs in SAS LSF Version 7 Update 2 does not work well on Windows.
	Component	bjobs
	Platform	All
	Impact	Cannot use bjobs.

110814	Date	2009-03-09
	Description	SGI-MPI mpirun options are not recognized by pam.
	Component	pam
	Platform	Linux IA64/x86-64
	Impact	Cannot use SGI-MPI mpirun options on pam command line when using pam SGI-MPI integration.

115193	Date	2009-03-08
	Description	Cannot transfer files locally on a Windows machine or to a shared directory.
	Component	lsrnp.exe
	Platform	Windows
	Impact	File transfer fails.

119899	Date	2009-03-06
	Description	bmmod -bn fails to remove the specified begin time on Windows-64 machines.
	Component	mbatchd
	Platform	All 64 bit architectures
	Impact	Job continues to pend.

121605	Date	2009-03-05
	Description	LSF_TMPDIR defined in lsf.conf isn't effective on Windows systems.
	Component	res
	Platform	Windows
	Impact	Temporary files are saved to the directory defined in registry instead of the directory set in LSF_TMPDIR.

117812	Date	2009-03-05
	Description	Perl and Python user programs fail when linked with LSF APIs; the C code calling the APIs is fine.
	Component	liblsf.so, libbat.so
	Platform	All
	Impact	Customer programs cannot be used.

117247	Date	2009-03-05
	Description	When a License Scheduler project name is misspelled or has mismatched capitalization, the job runs under the default project or pends if the default project is not defined.

	Component	
	Platform	All
	Impact	Under-utilization of License Scheduler tokens. Jobs running under the default project accidentally have the wrong user share allotment.

99327	Date	2009-03-04
	Description	Jobs pend indefinitely with reason "Unable to determine user account for execution" if the user account cannot be resolved.
	Component	mbatchd
	Platform	All
	Impact	Jobs pend.

118421	Date	2009-03-04
	Description	Excessive lim debug messages are logged.
	Component	lim, pim
	Platform	All
	Impact	When debug is on, the lim log is excessive.

117368	Date	2009-03-04
	Description	Jobs are not dispatched with the pending reason "System is unable to schedule the job".
	Component	mbschd
	Platform	All
	Impact	Jobs pend.

116145	Date	2009-03-04
	Description	Jobs pend with reason "New job is waiting for scheduling" even when the dependent condition is satisfied.
	Component	mbschd, mbatchd
	Platform	All
	Impact	Jobs pend.

115276	Date	2009-03-04
	Description	Sourcing profile.lsf returns "Cannot detect the binary type" from profile.perf.
	Component	profile.perf
	Platform	Linux
	Impact	Binary type failed, and PMC does not run properly since some environment variables are not updated.

120817	Date	2009-03-03
	Description	Jobs submitted to LSF 7 Update 4 from older versions of an LSF client (either pre-7.0.4 or applications built with a pre-7.0.4 LSF library) can have the following problems: <ul style="list-style-type: none"> <li>▪ If the job is submitted from a subdirectory under HOME with a relative path (e.g. ./job),</li> </ul>

		<p>the job goes to EXIT.</p> <ul style="list-style-type: none"> <li>If the job is submitted with -k "chkpnt dir", the chkpnt dir is changed to HOME (although checkpoint still works).</li> </ul>
	Component	libbatch.so, libbat.a, mbatchd, bmod, bsub
	Platform	All
	Impact	Jobs may fail and the chkpnt dir is wrong.

120745	Date	2009-03-03
	Description	The SUBMIT_TIME displayed by bjobs occupies 13 characters (although it only needs 12). The extra space results in one blank line following every record on terminals with a column width.
	Component	bjobs
	Platform	All
	Impact	Extra blank lines in output.

120163	Date	2009-03-03
	Description	When XC_LIBLIC is configured and working with permanent licenses, the client host cannot get the license that converts from lsf_base.
	Component	lim
	Platform	All
	Impact	Client host cannot obtain a license.

119722	Date	2009-03-03
	Description	Duplicated definition of license names in the lsf.licensescheduler and lsf.shared files cause jobs to pend.
	Component	mbatchd
	Platform	All
	Impact	License Scheduler jobs cannot run.

119595	Date	2009-03-03
	Description	Port number is missing in LSF daemon log files.
	Component	liblsf.so nios libbat.a liblsf.a res lim libbat.so mbd sbd
	Platform	All
	Impact	The unknown communication port number makes debugging harder.

119550	Date	2009-03-03
	Description	Unable to determine user account for execution.
	Component	
	Platform	All
	Impact	Customer need to kill the job and resubmit it for the job to run.

121747	Date	2009-03-02
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	Description	The data purger will purge all data with TIME_STAMP_GMT of 10 bits if there are both 10 and 13 bit TIME_STAMP_GMT in some tables (CONSUMER_RESOURCELIST, CONSUMER_DEMAND, LSF_BHOSTS, RESOURCE_METRICS, HOST_GROUP, etc.).
	Component	
	Platform	All
	Impact	Affects data when updating from LSF 7.0 to LSF 7 Update 4.

121155	Date	2009-03-02
	Description	Interactive jobs with bsub -ls fail with a "broken pipe" error in the LDAP environment.
	Component	res
	Platform	All
	Impact	In the LDAP environment, interactive jobs are killed by the SIGPIPE signal.

122151	Date	2009-03-01
	Description	Username and passwords exposed in catalina.out when Webgui debug logging is turned on by editing logj.properties and a user tries to log on.
	Component	
	Platform	All
	Impact	Security risk.

96667	Date	2009-02-27
	Description	Space bar doesn't work when using bpeek   more.
	Component	bpeek.exe bpeek
	Platform	Windows
	Impact	bpeek usability is compromised.

121865	Date	2009-02-26
	Description	Some parameter values such as LSF_EGO_DAEMON_CONTROL are contained in quotes while others are not.
	Component	
	Platform	All
	Impact	Inconsistent parameter definition formats.

120092	Date	2009-02-26
	Description	`\${GUI_TOP}/\${GUI_VERSION}/tomcat/bin/profile.ocs does not exist, but it is used by pmc_daemons.sh at line 23, 28 and 33.
	Component	
	Platform	All
	Impact	Cannot automatically start the PMC when the OS boots, and cannot use the service PMC command.

119197	Date	2009-02-18
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	Description	LSF windows installer deletes license.dat during the upgrade process.
	Component	
	Platform	Windows
	Impact	LSF license file is lost.

117717	Date	2009-02-18
	Description	LSF Version 7 Update 4 Windows quiet installation fails.
	Component	
	Platform	Windows
	Impact	Unsuccessful installation.

115968	Date	2009-02-18
	Description	Jobs containing multiple launches of mpirun.lsf can fail because resources are not cleaned correctly in the previous launch. Job level post exec does not help.
	Component	mpirun.lsf
	Platform	All
	Impact	Job fails due to clean up issue; job post-exec does not help.

118924	Date	2009-02-17
	Description	A customer using RPM's to install LSF in Linux machines has found many references to /bin/sh5 in linux which break the install (using 'rpm -Uvh --force).
	Component	
	Platform	All
	Impact	Unsuccessful installation.

117477	Date	2009-02-17
	Description	lsf7update3_win32.msi has errors in the install.bat script created when installing LSF 7.0.4 on Windows XP 32bits.
	Component	lsf7update3_win32.msi
	Platform	Windows XP 32bits
	Impact	install.bat cannot be used for batch installation.

117473	Date	2009-02-17
	Description	%CLUSTERID% is set in install.bat, but is not handed over by the LSF7.0.4 install package.
	Component	install package
	Platform	All
	Impact	Parameter CLUSTERID is missed when set during the installation;

114605	Date	2009-02-13
	Description	Replacing ssh with blaunch, some mpich_mx job tasks processes disappeared after running bstop and then bresume.

	Component	res
	Platform	All
	Impact	With some jobs tasks gone, job results are not correct.

122152	Date	2009-02-11
	Description	Jobs submitted through PMC result in output files with incorrect permission settings.
	Component	PMC
	Platform	All
	Impact	Output files may have incorrect permission settings.

119639	Date	2009-02-11
	Description	lim exits without an error message when users detach the processor from the host while running on Solaris.
	Component	lim
	Platform	Solaris
	Impact	Cannot execute jobs.

118208	Date	2009-02-11
	Description	blcollect fails to parse lmstat output.
	Component	blcollect
	Platform	UNIX
	Impact	A license without a handle from the lmstat output is ignored by blcollect.

117721	Date	2009-02-11
	Description	The description of USE_SUSP_SLOTS is incorrect.
	Component	bparams
	Platform	All
	Impact	Misleading USE_SUSP_SLOTS parameter.

117290	Date	2009-02-11
	Description	If the new job refresh feature is turned on, the jobs group information shown by bjobs is lost.
	Component	mbatchd
	Platform	All
	Impact	The new job refresh feature cannot be used with job groups.

117215	Date	2009-02-11
	Description	blcollect does not parse lmstat output correctly leading to an incorrect license count.
	Component	blcollect
	Platform	UNIX
	Impact	blcollect reports incorrect token usage to bld.

116604	Date	2009-02-11
	Description	LSF 6.2 Windows installer fails on an Intel64 machine.
	Component	lsf6.2_win.exe
	Platform	Windows
	Impact	LSF 6.2 Windows installer fails on an Intel64 machine.

116600	Date	2009-02-11
	Description	bread gives the wrong output when using bkill for Session Scheduler jobs.
	Component	ssched_real
	Platform	All
	Impact	bread cannot get correct information about session scheduler jobs.

115124	Date	2009-02-11
	Description	sbatchd adds LSF_BINDIR into PATH even if it is inside PATH already.
	Component	install
	Platform	UNIX
	Impact	PATH length increases unnecessarily.

114379	Date	2009-02-11
	Description	Users of remote desktops using Windows 2008 to run lsadmin reconfig see an error message.
	Component	bstop, bkill, lsadmin, bsub
	Platform	Windows
	Impact	Cannot use remote desktop connections to run a program under Windows 2008 to control LSF.

118014	Date	2009-02-09
	Description	License Scheduler fails to install a second binary type when using standalone mode.
	Component	setup
	Platform	UNIX
	Impact	Customer can manually create the necessary directories and re-run the setup script as a work around.

118474	Date	2009-02-04
	Description	Detailed reasons not in log file.
	Component	res.exe
	Platform	Windows
	Impact	Difficult to troubleshoot cmd.exe permission issues.

101754	Date	2009-01-23
	Description	Fairshare queues will reject a job submission if the fairshare user group has all members defined in it and there is another user group defined with the submission user as a specific

		member.
	Component	mbatchd
	Platform	All
	Impact	Some users can not submit jobs to a queue.

116122	Date	2009-01-22
	Description	sbatchd service shuts down when the job array index of a submitted job array is greater than 232830
	Component	sbatchd.exe
	Platform	Windows
	Impact	sbatchd shuts down.

115297	Date	2009-01-21
	Description	With MultiCluster enabled and a RemoteClusters section defined, "bhosts remote_cluster_name" can shut down the master lim.
	Component	lim
	Platform	All
	Impact	Local master lim shuts down.

113134	Date	2009-01-21
	Description	With MultiCluster enabled, if a job is suspended and then resumed after it is forwarded to a remote cluster it is possible for the job to run twice, once on the submission cluster and once on the remote cluster.
	Component	mbschd bhist bjobs mbatch
	Platform	All
	Impact	Job slots are misused.

116305	Date	2009-01-19
	Description	sbatchd sets a null entry ":" in LD_LIBRARY_PATH if EGO is disabled.
	Component	sbatchd
	Platform	All
	Impact	User applications (scripts) that use LD_LIBRARY_PATH may fail due to the null entry.

115955	Date	2009-01-19
	Description	Condensed pending reason behavior changed in LSF 7.0 (individual host based reasons are not used).
	Component	schmod_default.so mbschd bparams mbatchd
	Platform	All
	Impact	Customer pending reason monitoring script broken on upgrade.

113919	Date	2009-01-19
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	Description	Cannot get correct LSF binaries PATH using source on the environment file on RHEL4U7 x86,because /proc/xen exists.
	Component	install
	Platform	Linux
	Impact	Cannot get correct LSF binaries PATH using source on the environment file.

118814	Date	2009-01-15
	Description	In 7.0.3 a backfill job CAN be preempted even when PREEMPT_JOBTYPE=BACKFILL is not set.
	Component	mbatchd
	Platform	All
	Impact	Backward compatibility broken.

118276	Date	2009-01-14
	Description	LSF batch job ignores SIGHUP so SIGHUP cannot be delivered to the job.
	Component	sbatchd res
	Platform	UNIX
	Impact	Customer applications cannot catch SIGHUP and make use of it.

117769	Date	2009-01-13
	Description	sbatchd tries to transfer the job input file even when the file is shared.
	Component	sbatchd
	Platform	All
	Impact	Unnecessary error messages in the job error file.

117377	Date	2009-01-09
	Description	Inconsistent allocation/deallocation for a job with a job group may cause potential problems.
	Component	schmod_limit.so schmod_preemption.so
	Platform	All
	Impact	Error messages in mbschd log indicate the inconsistent allocation/deallocation may cause potential scheduling problems.

115963	Date	2009-01-09
	Description	mbatchd spends a lot of time checking for dependencies, affecting the mbatchd performance.
	Component	mbatchd
	Platform	All
	Impact	Performance impact for mbatchd event replay.

114194	Date	2009-01-09
	Description	The cpu time displayed by bjobs is not right.
	Component	pim

	Platform	All
	Impact	Dead PGIDs cpu time not accumulated for LSF jobs. Jobs may be incorrectly considered idle.

115080	Date	2009-01-08
	Description	Condensed host list not working with bjobs.
	Component	bjobs
	Platform	All
	Impact	Condensed host group output from bjobs is not available.

113880	Date	2009-01-08
	Description	Rerunnable jobs cannot rerun after being dispatched to a host, if a network glitch such as a temporary loss of communication occurs.
	Component	mbschd
	Platform	All
	Impact	Job pends.

76955	Date	2009-01-06
	Description	Dynamic slave lim calls the master lim 20 times if the slave lim host name is not resolvable, adding to the master lim load.
	Component	lim
	Platform	UNIX
	Impact	Master lim performance is affected.

117065	Date	2009-01-04
	Description	rusage debugging is turned off automatically by sbatchd causing inconvenience for debugging.
	Component	sbatchd
	Platform	All
	Impact	Difficult to capture debug data.

116800	Date	2009-01-04
	Description	Duration string beyond that defined at queue level returns the message 'Bad resource requirement. Job not submitted'.
	Component	mbatchd
	Platform	All
	Impact	Cannot submit jobs with desired resource duration.

116333	Date	2009-01-04
	Description	Job status from bjobs -Al is PEND when job is complete.
	Component	bjobs
	Platform	All
	Impact	Confusing job status.

115419	Date	2008-12-31
	Description	When using Kerberos for authentication but not using the Platform Kerberos integration, sbatchd deletes the /tmp file mentioned in KRB5CCNAME env variable after batch job complete.
	Component	sbatchd res
	Platform	Linux
	Impact	Customer manually has to unset the KRB5CCNAME parameter in a job starter to run jobs in LSF.

114282	Date	2008-12-30
	Description	The command bjobs -u displays all user's jobs in lsf7.0.2 and later versions although LSB_SECURE_JOBINFO_USERS=Y is set in lsf.conf.
	Component	bjobs
	Platform	All
	Impact	LSB_SECURE_JOBINFO_USERS does not work as expected in lsf7.0.2 and later versions.

116466	Date	2008-10-29
	Description	Customer gets a java exception after logging into the PMC console.
	Component	install
	Platform	All
	Impact	Customer is unable to use PMC.

115542	Date	2008-09-27
	Description	bparams returns an error code.
	Component	bparams mbatchd
	Platform	All
	Impact	Cannot use bparams.

109128	Date	2008-09-16
	Description	No email is sent for job idle exceptions.
	Component	mbatchd
	Platform	Windows
	Impact	LSF admin is not notified for idle job exceptions.

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