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Fixed Bugs for Platform LSF™ Version 7 Update 4
Release Date: October 2008

The following bugs have been fixed in the October 2008 update (LSF 7 Update 4) since the May 2008 update (LSF 7 Update 3):

112864	Date	2008-09-24
	Description	LIM cannot detect correct CPU and core number on non virtual machine if there is /proc/xen
	Component	lim
	Platform	linux
	Impact	LIM gets wrong CPU and core number.

109205	Date	2008-09-23
	Description	eexec is not run after interactive job finishes
	Component	sbatchd
	Platform	All
	Impact	eexec does not run

107031	Date	2008-09-23
	Description	SLA does not work with fairshare
	Component	schmod_fairshare.so mbschd
	Platform	All
	Impact	SLA goal is not reached

109779	Date	2008-09-16
	Description	lsload / lsplace -R "status==ok" does not show correct RES status properly when RES is down.
	Component	Lim
	Platform	All
	Impact	lsload / lsplace does not show RES status properly. Users cannot pick hosts with RES daemons running.

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

112643	Date	2008-09-11
	Description	Jobs are pending with reason "New job is waiting for scheduling"
	Component	mbatchd
	Platform	All
	Impact	Job will pend forever till system clock is reset. In a system where ntpd is enabled to sync up time, or other mechanisms which will roll back the system clock, some jobs will stay in pending status forever with reason "New job is waiting for scheduling;". The problem lies in synchronization between mbatchd and mbschd. Run badmin reconfig as workaround.

109183	Date	2008-09-01
	Description	PAM and TS have exited, but LSF still reports the job as RUN
	Component	pam
	Platform	linux unix
	Impact	Resources are occupied by the unfinished jobs

108900	Date	2008-08-29
	Description	After upgrade, mbatchd restart batch commands do not respond for a long time
	Component	Mbatchd
	Platform	All
	Impact	Admin is forced to remove the lsb.events file and restart mbatchd again to get the batch system working

106777	Date	2008-08-28
	Description	When submitting a job with a project name which contains spaces, bacct -P cannot recognize the job
	Component	Bacct
	Platform	All
	Impact	Cannot use bacct to check project name string which has spaces.

105490	Date	2008-08-28
	Description	When customer defines "default" limit, the value applies to both user and user group. Customer wants a method to apply the limit only for user, not user group.
	Component	mbschd mbatchd
	Platform	All
	Impact	Administrators have to configure user group limits one by one when they want to only apply "default" limit to user, not user group.

113378	Date	2008-08-27
	Description	When RESOURCE_RESERVE_PER_SLOT is defined in lsb.params, a host-specific resource reported by elim does not report the correct value for the resource once a parallel job (that has reserved this resource) has started.
	Component	Mbatchd
	Platform	All
	Impact	Resource reservation value is wrong

112514	Date	2008-08-27
	Description	bhist prints out same job event status two times
	Component	bhist
	Platform	All
	Impact	Misleading bhist output

112256	Date	2008-08-27
	Description	High priority job does not preempt jobs with less slots
	Component	schmod_preemption.so
	Platform	All
	Impact	OPTIMAL_MINI_JOB preemption policy does not work

113844	Date	2008-08-24
	Description	log_jobdata(): Job failed in getHostFactor() message appears in execution cluster mbatchd log file, even though jobs can run successfully.
	Component	Mbatchd
	Platform	All
	Impact	Misleading mbatchd log message

113299	Date	2008-08-21
	Description	To modify user-specified requested processor through an esub, both LSB_SUB_NUM_PROCESSORS and LSB_SUB_MAX_NUM_PROCESSORS need to be specified and they need to be written to LSB_SUB_MODIFY_FILE in a certain order.
	Component	bsub
	Platform	All
	Impact	This behavior can cause esub to not make a modification that it should.

111507	Date	2008-08-21
	Description	NFS (root=nobody) MC-Lease mode purging lsb.lease.state file fails, lsb.lease.state.tmp left behind
	Component	Mbatchd
	Platform	All
	Impact	NFS (root=nobody) MC-Lease purging lsb.lease.state file fails, lsb.lease.state.tmp left behind

112296	Date	2008-08-20
	Description	When mbatchd restarts with bad events, lsb.events.0 is missing
	Component	Mbatchd
	Platform	All
	Impact	History information for some jobs is lost.

112285	Date	2008-08-19
	Description	If duplicate event logging is configured, when LSF_SHAREDIR goes down and comes back up, the child mbatchd, which writes to LSF_SHAREDIR, does not respond for 15 minutes and then dies.
	Component	Mbatchd
	Platform	All
	Impact	Data duplication is delayed for 15 minutes. The parent mbatchd dies, and a new one starts which adds further to the delay.

113707	Date	2008-08-15
	Description	MPI job gets different result by using LSF and out of LSF.
	Component	intelmpi_wrapper mpich2_wrapper
	Platform	Intelmpi_wrapper(all linux except cray) mpich2_wrapper(all except slurm)
	Impact	MPI local option is set to global option. MPI Program may run with wrong arguments.

113264	Date	2008-08-14
	Description	Mandatory first execution host does not work at queue level with "RES_REQ=span
	Component	schmod_parallel.so
	Platform	All
	Impact	Mandatory first execution host does not work.

108727	Date	2008-08-14
	Description	bjobs -G does not work as documented – behaves like bjobs -u
	Component	Mbatchd
	Platform	All
	Impact	bjobs -G does not work as documented

110814	Date	2008-08-13
	Description	SGI-MPI (vendor-MPI) mpirun options are not recognized by pam
	Component	Pam
	Platform	All
	Impact	Cannot use SGI-MPI mpirun options on pam command line when using pam SGI-MPI integration

111728	Date	2008-08-07
	Description	First execution node is not the same after migrating a parallel job in MultiCluster environment.
	Component	Mbatchd
	Platform	All
	Impact	All jobs fail after migration

112053	Date	2008-08-06
	Description	LDAP authentication for PMC not supported. Users cannot log in to PMC with local Linux account.
	Component	PMC
	Platform	All
	Impact	Customers who use LDAP instead of NIS cannot log in to PMC with local Linux account.

97887	Date	2008-08-04
	Description	Jobs with high LSF version will get lost if master and master candidate do not have the same version
	Component	mbatchd
	Platform	All
	Impact	Jobs get lost.

111673	Date	2008-08-04
	Description	bladmin reconfig fails on x86_64 platform
	Component	bladmin blhosts
	Platform	Unix
	Impact	Cannot use bladmin reconfig to restart License Scheduler

110694	Date	2008-07-29
	Description	Cross-queue fairshare scheduling does not work when two slave queues belonging to two cross-queue sets have the same priority
	Component	mbschd
	Platform	All
	Impact	Cross-queue fairshare scheduling does not work

106508	Date	2008-07-29
	Description	Users get incorrect emails about license overuse and number of available license counts
	Component	Lim
	Platform	All
	Impact	Potential overuse of license resources

111150	Date	2008-07-27
	Description	Job pends with reason "Job's resource requirements not satisfied"
	Component	schmod_mc.so
	Platform	All
	Impact	Cannot submit job from with resource requirement specified

111717	Date	2008-07-25
	Description	badmin reconfig dispatches more jobs than available licenses
	Component	mbatchd
	Platform	All
	Impact	badmin reconfig dispatches more jobs than available licenses

111994	Date	2008-07-24
	Description	Multiple clusters exist on a group of hosts so users can change environment from one cluster to another then back again. profile.lsf or/and cshrc.lsf do not set the environment correctly. The PATH environment variable is set to LSF_BINDIR of the wrong cluster.
	Component	install
	Platform	All
	Impact	profile.lsf and cshrc.lsf set the wrong LSF environment.

111672	Date	2008-07-24
	Description	Host does not have a software license
	Component	lim
	Platform	All
	Impact	Cluster cannot work without restarting the LIM

111838	Date	2008-07-23
	Description	Deadline constraint policy violated under specific run-window configurations
	Component	mbatchd
	Platform	All
	Impact	Deadline constraint policy does not work. Jobs run when they should not.

110981	Date	2008-07-23
	Description	Add submission and execution cluster name in email notification
	Component	sbatchd
	Platform	All
	Impact	Email notification incomplete

109587	Date	2008-07-20
	Description	Job pends forever after mbatchd restart with 'Dependency not statisfied'
	Component	mbatchd
	Platform	All
	Impact	Job pends forever after mbatchd restart with 'Dependency not statisfied'

111569	Date	2008-07-17
	Description	blimits -w cannot show full length of SLOT MEM TMP SWAP
	Component	blimits
	Platform	All
	Impact	blimits -w cannot show full length of SLOT MEM TMP SWAP

106541	Date	2008-07-17
	Description	Cannot query jobs using bhist by specifying user group
	Component	bhist
	Platform	All
	Impact	bhist output incomplete

110799	Date	2008-07-15
	Description	bsub ignores resource requirement string in the SchedulerParams section of jsdl - xml specification
	Component	bsub
	Platform	All
	Impact	bsub ignores resource requirement string in the SchedulerParams section of jsdl - xml specification

110964	Date	2008-07-13
	Description	Need improved LSF environment setup
	Component	sbatchd
	Platform	All
	Impact	LSB_EXEC_CLUSTER and LSB_SUB_CLUSTER environment variables should be available for job preparation. However, these variables are not available if the job executes on the submission cluster. LSB_EXEC_CLUSTER variable should be available for all jobs.

89242	Date	2008-07-10
	Description	Duplicate emails are received for same host exceptions
	Component	mbatchd
	Platform	All
	Impact	Duplicate emails are received for same host exceptions

111051	Date	2008-07-09
	Description	lsb.stream file permission is set to 600 after running bmod
	Component	utopia/lsbatch/lib/liblsbstream.so
	Platform	linux2.6-glibc2.3-x86_64
	Impact	Users cannot read lsb.stream file

110938	Date	2008-07-08
	Description	PERF stops writing to the LSB_EVENTS table if charged SAAP field is more than 64 chars
	Component	PERF
	Platform	All
	Impact	Event data loading stopped

110227	Date	2008-07-06
	Description	lsmake gets error message if LSF daemon ports are defined in /etc/services instead of lsf.conf
	Component	res
	Platform	All
	Impact	Cannot use the right res port.

109659	Date	2008-07-06
	Description	Error messages about long project names are inconsistent
	Component	bacct blimits bmod bhist bjobs mbatchd bsub
	Platform	All
	Impact	Confusing error messages

110576	Date	2008-07-04
	Description	LD_LIBRARY_PATH gets reappended if user submits a job with job command environment
	Component	sbatchd
	Platform	All
	Impact	User scripts fail

110322	Date	2008-06-30
	Description	Incorrect error messages are logged in mbatchd log
	Component	bld
	Platform	unix
	Impact	Incorrect messages are visible in logs

109930	Date	2008-06-30
	Description	Job get dispatched to wrong host
	Component	mbschd
	Platform	All
	Impact	Jobs fail because of incorrect execution host

108459	Date	2008-06-27
	Description	CONTROL ACTION is invoked even though SLA has been met
	Component	mbatchd
	Platform	All
	Impact	Incorrect job control action is invoked

107678	Date	2008-06-26
	Description	eexec runs as an unexpected user group if LSF_EEXEC_USER is set
	Component	sbatchd
	Platform	All
	Impact	eexec cannot run

106413	Date	2008-06-24
	Description	Customer is using Solutions#89820 (Enhance bjobs/LSF batch API to just fetch summary information of jobs). When using this fix, bjobs fails with "xdr encode/decode error" if 100s of job IDs are specified at the same time for bjobs.
	Component	bjobs mbatchd
	Platform	All
	Impact	user scripts that use a lot of job IDs in their bjobs query fail.

110461	Date	2008-06-23
	Description	badmin hclose/hopen and lsadmin reslogon/reslogoff fails on slave host
	Component	lsadmin badmin
	Platform	All
	Impact	badmin hclose/hopen and lsadmin reslogon/reslogoff fails on slave host

110026	Date	2008-06-19
	Description	MBD never switches out LOG_SWITCH event
	Component	mbatchd
	Platform	All
	Impact	MBD never switches out LOG_SWITCH event

87626	Date	2008-06-13
	Description	Totalview integration requires sleep() to debug application
	Component	
	Platform	All
	Impact	Totalview integration should work around this problem.

107903	Date	2008-06-10
	Description	If cpuset destroy API fails after rla restart, an error of status file corruption is reported in rla log
	Component	rla
	Platform	linux2.4-glibc2.2-sn-ipf linux2.4-glibc2.3-sn-ipf linux2.6-glibc2.3-sn-ipf linux2.6-glibc2.4-sn-ipf
	Impact	rla cannot clean up left over cpusets

108199	Date	2008-05-27
	Description	Job fails even though its tasks are successfully finished. pam waits for none-existent tasks then kills the job.
	Component	pam
	Platform	All
	Impact	Job fails

106832	Date	2008-05-16
	Description	New jobs are not queued at the bottom
	Component	mbatchd
	Platform	All
	Impact	Dispatch order are not correct

105599	Date	2008-05-15
	Description	When LSF_EAUTH_KEY is configured in /etc/lsf.sudoers jobs submitted through the Windows clients fail with error "C:\Documents and Settings\user1 >bsub -R "type==any" dir User permission denied. Job not submitted."
	Component	
	Platform	All
	Impact	Cannot submit job through Windows client with LSF_EAUTH_KEY set in /etc/lsf.sudoers.

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