Proposed patches for 0.8.2.2

JIRA	Description	Severity	Size	Decision
KAFKA-2189	Snappy compression of message batches less efficient in 0.8.2.1	high	tiny	Yes
Kafka-2308	Snappy compression and retries cause data corruption in new producer	high	small	Yes
KAFKA-2421	Upgrade to LZ4 1.3 to avoid crashing IBM Java 7	medium	small	uncommitted
KAFKA-1788	producer record can stay in RecordAccumulator forever if leader is no available	high	large (also, adds new configuration)	No
KAFKA-2120	Add a request timeout to NetworkClient	high	large (also, adds new configuration)	uncommitted
KAFKA-2114	unable to set default min.insync.replicas	medium	small	Yes
KAFKA-1702	Messages silently Lost by producer	high	small	No (Issue with old producer)
KAFKA-2012	Broker should automatically handle corrupt index files	medium	small	No
KAFKA-1367	Broker topic metadata not kept in sync with ZooKeeper	medium	large	No
KAFKA-2406	ISR propagation should be throttled to avoid overwhelming controller.			No (depends on KAFKA-1367)
KAFKA-972	MetadataRequest returns stale list of brokers	medium	small	No
KAFKA-2336	Changing offsets.topic.num.partitions after the offset topic is created breaks consumer group partition assignment	high	small	No (unlikely user error)
KAFKA-2337	Verify that metric names will not collide when creating new topics	medium	small	No
KAFKA-2393	Correctly Handle InvalidTopicException in KafkaApis.getTopicMetadata()	medium	small	No (depends on KAFKA-2337)
KAFKA-2042	New producer metadata update always get all topics.	low	small	No
KAFKA-1867	liveBroker list not updated on a cluster with no topics	medium	small	No
KAFKA-1650	Mirror Maker could lose data on unclean shutdown.	high	large	No
KAFKA-2009	Fix UncheckedOffset.removeOffset synchronization and trace logging issue in mirror maker			No (depends on KAFKA-1650)
KAFKA-2407	Only create a log directory when it will be used	medium	small	No
KAFKA-2327	broker doesn't start if config defines advertised.host but not advertised.port			No (shouldn't exist in 0.8.2)
KAFKA-2234	Partition reassignment of a nonexistent topic prevents future reassignments	medium	small	No
KAFKA-2096	Enable keepalive socket option for broker to prevent socket leak	high	small	Yes

KAFKA-1057	Trim whitespaces from user specified configs	high	small	Yes
KAFKA-1641	Log cleaner exits if last cleaned offset is lower than earliest offset	medium	small	No
KAFKA-1648	Round robin consumer balance throws an NPE when there are no topics	medium	large	No
KAFKA-1724	Errors after reboot in single node setup	medium	small	No (never committed)
KAFKA-1758	corrupt recovery file prevents startup	medium	small	Yes
KAFKA-1866	LogStartOffset gauge throws exceptions after log.delete()	low	medium	No
KAFKA-1883	NullPointerException in RequestSendThread	high	small	Yes
KAFKA-1896	Record size function of record in mirror maker hit NPE when the message value is null.	high	small	Yes if applies (MirrorMaker changed a fair bit)
KAFKA-2101	Metric metadata-age is reset on a failed update	low	small	No
KAFKA-2112	make overflowWheel volatile			Doesn't exist in 0.8.2
KAFKA-2117	OffsetManager uses incorrect field for metadata			Doesn't exist in 0.8.2
KAFKA-2164	ReplicaFetcherThread: suspicious log message on reset offset	low	tiny	No
KAFKA-1668	TopicCommand doesn't warn if --topic argument doesn't match any topics	high	small	Yes
KAFKA-2198	kafka-topics.sh exits with 0 status on failures	medium	small	No (can break existing scripts)
KAFKA-2235	LogCleaner offset map overflow	high	small	Yes
KAFKA-2241	AbstractFetcherThread.shutdown() should not block on ReadableByteChannel.read (buffer)	high	small	No (Rare issue)
KAFKA-2272	listeners endpoint parsing fails if the hostname has capital letter			Doesn't exist in 0.8.2
KAFKA-2345	Attempt to delete a topic already marked for deletion throws ZkNodeExistsException	low	small	No
KAFKA-2355	Add an unit test to validate the deletion of a partition marked as deleted	low	small	No (depends on KAFKA-2345)
KAFKA-2353	SocketServer.Processor should catch exception and close the socket properly in configureNewConnections.			Doesn't exist in 0.8.2
KAFKA-1836	metadata.fetch.timeout.ms set to zero blocks forever	high	small	Yes
KAFKA-2317	De-register isrChangeNotificationListener on controller resignation			Doesn't exist in 0.8.2
KAFKA-2147	Unbalanced replication can cause extreme purgatory growth	high	small	Yes