

Removal of system-wide lock



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Goal

The main reasons for removing the system-wide lock are

- Performance of concurrent editing in Magnolia is highly affected by the global synchronization on ExclusiveWrite, especially due to the usage in SaveHandlerImpl.
- Synchronization should be done on a repository level, not at instance level. This will allow us to [cluster author instances](#) too, as we plan to do in Magnolia 5.x

Those issues were already raised in [MAGNOLIA-3905](#) where a discussion about the implications of such removal was started.

Notes from 18.10.2012 meeting

- Removal of the global synchronization is simple
 - but we have to handle if we have exceptions
 - saving content --> notification
 - versioning / activation --> system have to handle it
 - util to force saving
 - start to use JCR locking
- We need to start to use locking --> cluster
 - since JackRabbit 2.3 one can get the lock token
 - making author clustered
 - flat or deep? deep has no filtering by type
 - how to lock the page (and content) but not subpages?

Resources

- http://www.day.com/specs/jcr/2.0/17_Locking.html