

Concept - Long running actions intermediate solution

Abstract

We have long running actions concept, however due to scheduling issues, this concept is not implemented yet and will not be for while. In the mean time there are long running actions that currently block UI and unfortunately have potential to block whole server hence the intermediate solution is required.

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Execution of actions

Problem

- UI actions (any, but specially those invoking commands) are waiting for completion of the action before returning control to user.
- Invoking any such action temporarily blocks user. However invoking multiples of such actions, can cause whole server getting blocked or even crash.
- Details on how to reproduce the issue: [Client Behavior - Long running Tasks using Activation](#)

Investigation team

- Sasha
- Espen
- Jan

Investigation

- UI actions (any, but specially those invoking commands) are waiting for completion of the action before returning control to user.
- Investigation summarised in [MGNLUI-2783 - Getting issue details...](#)
 - didn't confirm possibility to bring down whole server
 - issue exists for single user and is quite annoying to any user running into it
 - Issue becomes more pronounced (client doesn't come back after long running action finishes) when having Apache in front on Tomcat

Intermediate solution

- Just for commands based actions
 - Use scheduler to invoke passed in commands w/ passed in parameters
 - make asynchronous invocation optional (configurable via action definition)
 - if enabled, show temp message to user saying that action was scheduled and is being executed in the background

Long term solution

- Implements [Concept Long Running Actions](#)

Next steps

- Jan will proceed with impl of workaround for command based actions using scheduler.