2021-04-15- Fedora Tech Meeting

Time/Place

This meeting is a hybrid teleconference and slack chat. Anyone is welcome to join...here's the info:

- Time: 11:00am Eastern Daylight Time US (UTC-4)
- Audio/Video Conference Link: https://lyrasis.zoom.us/j/396037251
  - Meeting ID: 396 037 251
  - Find your local number: https://lyrasis.zoom.us/u/ad6Xb7q3ia
  - Join fedora-project.slack.com on the "tech" channel
  - Self-register at: http://slack.fcrepo.org/

Attendees

1. Danny Bernstein
2. David Wilcox
3. Jared Whiklo
4. Peter Winckles
5. Daniel Lamb
6. Ben Pennell
7. Thomas Bernhart
8. Calvin Xu
9. Michael Ritter ⭐

Agenda

1. Announcements
   a. 2021-10 Camel Toolbox Sprint
   b. North American User Group Debrief
2. Performance issues needing attention
   a. Short-live
      i.
      ii.
      iii. Unable to locate Jira server for this macro. It may be due to Application Link configuration.
   b. Migration
      i. Do we know the problem is neither memory nor IO bound?
      ii. Are there JVM tunings that we haven't tried?
      iii. Is a heap dump likely to help us?
      iv. micrometer: Unable to locate Jira server for this macro. It may be due to Application Link configuration.
3. Pilots / Testing
4. Pre relea
   a.
   b.
   c.
   d.
   e.
   f. Unable to locate Jira server for this macro. It may be due to Application Link configuration.
5. Marmotta
6. Volunteers to be the maintainer on https://github.com/fcrepo-exts/migration-utils
7. Any other new tickets/issues to be considered for the release
8. Your topic

Tickets

1. In Review

type	key	summary	assignee	reporter	priority	status	resolution	created	updated	due

Unable to locate Jira server for this macro. It may be due to Application Link configuration.

2. Please squash a bug!

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution

Unable to locate Jira server for this macro. It may be due to Application Link configuration.

3. Tickets resolved this week:

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution

Unable to locate Jira server for this macro. It may be due to Application Link configuration.

4. Tickets created this week:

key	summary	type	created	updated	due	assignee	reporter	priority	status	resolution

Unable to locate Jira server for this macro. It may be due to Application Link configuration.

Notes

1. Announcements
2. Performance Issues
    a. Short live transactions
        i. More of an impact on reads than writes, e.g. getting the root resource of your repository with 1m+ items
        ii. Ordering adds more latency
        iii. Ongoing work for short lived transactions
            1. Long lived transactions perform full join
            2. Short transactions perform a simpler query
            3. Could be expanded to writes
        iv. Search Index
            1. Current work is for a synchronous update
            2. Question of how much of a performance impact there is when updating the index
            3. Possibility of adding config to update async through event bus from initial discussion
    b. Long running transactions in bad states
        i. If changes are already committed to the ocfl layer, changes can't be rolled back
        ii. Might be able to attempt to rollback, then mark transaction as failed
        iii. Can also prevent the transaction from being committed at all
    c. Migration utils
        i. For pid list: need to stop iterating the F3 repository once we've processed all items
        ii. metrics: Try and capture bytes/sec

Actions

- Look through migration util commits since December to see if there are any potential causes of performance drop off.