

## EDIT - bug #7036

bug # 7035 (Rejected): Vaadin views keeping connection open as long as the view has not exited

### correctly release vaadin view resources when the browser windows has been closed

10/25/2017 05:03 PM - Andreas Kohlbecker

|  |                                  |
|--|----------------------------------|
| <b>Status:</b> Closed  | <b>Start date:</b>               |
| <b>Priority:</b> Highest   | <b>Due date:</b>                 |
| <b>Assignee:</b> Andreas Kohlbecker  | <b>% Done:</b> 100%              |
| <b>Category:</b> cdm-vaadin  | <b>Estimated time:</b> 0:00 hour |
| <b>Target version:</b> Release 5.4   | <b>Found in Version:</b>         |
| <b>Severity:</b> normal  |                                  |
| <b>Description</b>   |                                  |
| <b>Related issues:</b>   |                                  |
| Related to EDIT - bug #7046: replace open session per view pattern by DTO str... | <b>Closed</b>                    |
| Related to EDIT - bug #6687: Multiple representations of the same entity merg... | <b>Closed</b>                    |
| Related to EDIT - bug #7047: Vaadin UI and View scope beans are not always de... | <b>Closed</b>                    |

### Associated revisions

#### Revision 948d9990 - 10/26/2017 11:04 AM - Andreas Kohlbecker

ref #7036 implementing DetachListener in DistributionStatusUI to relase db connections for unused Views

#### Revision 7e488d1b - 10/27/2017 11:20 AM - Andreas Kohlbecker

ref #7036 disposing resources in mvp beans

#### Revision 157c9c3d - 10/27/2017 11:25 AM - Andreas Kohlbecker

ref #7036 LoginView in View scope helps disposing this bean  
it is no longer required to have it in the UIScope

#### Revision b14494a9 - 10/24/2018 02:53 PM - Andreas Kohlbecker

fix #7036 making sure all spring beans are disposed when the vaadin session times out

- RegistrationToolbar, RegistrationUI, RegistrationWorkingsetPresenter, NavigationManagerBean as DisposableBean
- setting the vaadin closeIdleSessions parameter to true in web.xml

### History

#### #1 - 11/02/2017 10:55 AM - Andreas Kohlbecker

- Related to bug #7047: Vaadin UI and View scope beans are not always destroyed correctly added

#### #2 - 11/02/2017 12:32 PM - Andreas Kohlbecker

- Related to deleted (bug #7047: Vaadin UI and View scope beans are not always destroyed correctly)

#### #3 - 11/02/2017 12:32 PM - Andreas Kohlbecker

- Has duplicate bug #7047: Vaadin UI and View scope beans are not always destroyed correctly added

#### #4 - 11/02/2017 12:33 PM - Andreas Kohlbecker

- Description updated

- Status changed from New to In Progress

#### #5 - 11/02/2017 12:33 PM - Andreas Kohlbecker

- Tags set to phycobank

- Priority changed from Highest to Priority13

- Target version changed from Release 4.11 to Reviewed Next Major Release

- Severity changed from blocker to normal

**#6 - 11/02/2017 12:34 PM - Andreas Kohlbecker**

- Related to bug #7046: replace open session per view pattern by DTO strategy added

**#7 - 11/02/2017 12:35 PM - Andreas Kohlbecker**

- Related to bug #6687: Multiple representations of the same entity merge problem added

**#8 - 11/02/2017 12:36 PM - Andreas Kohlbecker**

- Subject changed from correctly release vaadin view resources when the browser windows has been closed to correctly release vaadin view ad UI resources

**#9 - 11/02/2017 12:36 PM - Andreas Kohlbecker**

- Has duplicate deleted (bug #7047: Vaadin UI and View scope beans are not always destroyed correctly)

**#10 - 11/02/2017 12:37 PM - Andreas Kohlbecker**

- Related to bug #7047: Vaadin UI and View scope beans are not always destroyed correctly added

**#11 - 11/02/2017 12:38 PM - Andreas Kohlbecker**

- Subject changed from correctly release vaadin view ad UI resources to correctly release vaadin view resources when the browser windows has been closed

- Description updated

**#12 - 10/23/2018 12:47 PM - Andreas Kohlbecker**

- Priority changed from Priority13 to Highest

- Target version changed from Reviewed Next Major Release to Release 5.5

it seems as this is not yet solved.

**#13 - 10/23/2018 04:57 PM - Andreas Kohlbecker**

- File picture893-1.png added

after editing in parallel with 3 users for some time and closing all browser tabs afterwards, some spring beans like the LoginPresenter and the RegistrationWorkingsetPresenter and View are not disposed:

| Name   | Objects | Retained Size | Dominators |
|--|---------|---------------|------------|
| <All the objects>  | 6 100 % | 1,912 100 %   |            |
| <Retained from several objects simultaneously (don't have a dominator)>      | 3 50 %  | 1,720 90 %    |            |
| eu.etaxonomy.cdm.vaadin.view.registration.RegistrationWorkingsetPresenter\$1 |         |               |            |
| eu.etaxonomy.cdm.vaadin.view.registration.RegistrationWorksetViewBean        |         |               |            |
| java.util.concurrent.ConcurrentHashMap\$Node                                 |         |               |            |
| org.springframework.beans.factory.support.DisposableBeanAdapter              |         |               |            |
| org.vaadin.spring.events.internal.MethodListenerWrapper                      |         |               |            |
| java.util.HashMap\$Node  |         |               |            |
| java.util.HashMap\$Node  |         |               |            |
| java.util.HashMap\$Node  |         |               |            |
| java.util.HashMap\$Node[]  |         |               |            |
| java.util.HashMap  |         |               |            |
| java.util.HashSet  |         |               |            |
| org.vaadin.spring.events.internal.ListenerCollection                         |         |               |            |
| org.vaadin.spring.events.internal.ScopedEventBus\$DefaultViewEventBus        |         |               |            |
| java.util.HashMap\$Node[]  |         |               |            |
| java.util.HashMap\$Node[]  |         |               |            |
| java.util.HashMap  |         |               |            |
| java.util.HashSet  |         |               |            |
| <Objects unreachable from GC roots>  | 3 50 %  | 192 10 %      |            |

#### #14 - 10/23/2018 06:08 PM - Andreas Kohlbecker

the problem seems mainly to be caused by the NavigationManagerBean not releasing the references to RegistrationWorksetViewBeans contained in currentView and by the PopupViewRegistration keeping the RegistrationWorksetViewBean in the popupViewFieldMap where its used as key.

#### #15 - 10/23/2018 06:37 PM - Andreas Kohlbecker

Resources which are still in memory after closing a browser window should be destroyed automatically once the next heartbeat has reached the server.

It is defined by the @VaadinServletConfiguration.InitParameterName(value="heartbeatInterval"):

##### 5.8.5. UI Expiration

UI instances are cleaned up if no communication is received from them after some time. If no other server requests are made, the client-side sends keep-alive heartbeat requests. A UI is kept alive for as long as requests or heartbeats are received from it. It expires if three consecutive heartbeats are missed.

The heartbeatInterval is at 5 minutes (300 seconds) per default.

#### #16 - 10/24/2018 02:53 PM - Andreas Kohlbecker

- Status changed from In Progress to Resolved

- % Done changed from 0 to 50

Applied in changeset [cdm-vaadin|b14494a9c3be6a70f64c4560209ba8d406eb635f](#).

#### #17 - 10/24/2018 02:54 PM - Andreas Kohlbecker

- Status changed from Resolved to Closed

- Target version changed from Release 5.5 to Release 5.4

- % Done changed from 50 to 100

now all spring beans like RegistrationToolbar, RegistrationUI, RegistrationWorkingsetPresenter, NavigationManagerBean are disposed when the session times out due to inactivity.

**Files**

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picture893-1.png

56.7 KB

10/23/2018

Andreas Kohlbecker