

Dates, Times and Timezones

Timezone configuration in user profile

User can choose one of:

- browser timezone (current)
- ~~server timezone~~
- a custom timezone

Also see [↑ MGNLUI-2695 - User can configure his timezone](#) CLOSED

Displaying dates

DateFieldFactory and DataColumnFormatter use timezone configured by the user.

How do those resolve the timezone?

A] Static util class

Mikaël Geljić

- *Not fond of yet another static Util conveying no particular purpose in its name.*
 - *I would see it as a `UserProfile` component abstracting how the preferred time zone (resp. e.g. locale) is fetched.*

B] Component

```
<component>
  <type>info.magnolia.userprofile.UserProfile</type>
  <implementation>info.magnolia.userprofile.UserProfile</implementation>
</component>
```

Problem: where to place the implementation of the component?

- UI
 - magnolia-ui-admincentral
 - cyclic dependency
 - magnolia-ui-api
 - [Mikaël Geljić](#): It doesn't belong to ui-api (only 3 tiny dependencies on Vaadin, which should be moved out to vaadin-integration or somewhere else)
 - magnolia-ui-contentapp
 - magnolia-ui-dialog
 - magnolia-ui-form
 - magnolia-ui-framework
 - magnolia-ui-imageprovider
 - magnolia-ui-vaadin-integration
 - magnolia-ui-workbench

- Main
 - [MAGNOLIA-6660](#)
 - [Extended browser-aware implementation](#) in magnolia-ui-admincentral
 - Can be used also for the anonymous user or public users (so we can show dates in certain timezone on webpages)

Decision

This is a summary of the decisions made on architecture meeting on 12 May 2016.

Participants

- [Espen Jervidalø](#)
- [Philip Mundt](#)
- [Mikaël Geljić](#)
- [Roman Kovařík](#)

Users can choose a timezone in their profiles:

- Browser timezone (show only offset)
- A custom timezone (list of timezone IDs)
- We do not provide server timezone option

How we resolve the timezone:

- We won't introduce a new user profile component
- We introduce TimeZone info.mangolia.security.User.getTimeZone() for M5.5
 - Only MgnlUser.getTimeZone() for M5.4