

JMAP for Tasks

Task Survey

<https://gist.github.com/jaudriga/cd323fa75397c76b1dd30861ef590302>

Goal: Make it a common standard, also for kanban boards and issue trackers

What's new in JMAP for Tasks

<https://www.ietf.org/archive/id/draft-ietf-jmap-tasks-03.html>

Task changes that resulted from Task Survey:

- Add source property - string with values like Email or Web App
- Add estimatedWork - similar to estimatedDuration
- Add impact property - string with values like major or block
- Extend progress property with more values - see next slide
- ~~Add relatedTo~~ Extend Relation object with more values (e.g., blockedBy)

What's new in JMAP for Tasks - progress property

- There was: needs-action, in-process, completed, failed, cancelled
- Add new values and mapping suggestions:
 - needs-action - Not done (simple), Not started, New
 - in-process - In Progress, Active, assigned
 - completed - Done (simple), Closed, verified
 - **deferred** - Waiting (on someone else), Deferred
 - **resolved** - Resolved
 - **needs-feedback** - Feedback
 - **confirmed** - confirmed

Tasks Survey - Grouping

- A lot of properties are groupware-specific - Split Task properties into groups
- Split according to features
- Keep in line with JMAP (capability mechanism but not too fine-grained)
- Systems will need to implement more than absolutely necessary
 - make sure the overhead is small enough

- Current idea:
 - *Common* - Common properties of task systems
 - *Time-estimation* - Adds time estimation and alerting features
 - *Advanced Scheduling* - Adds scheduling and recurrence features that typically make sense in a groupware context

Tasks Survey - Grouping

Common

Time-Estimation

Advanced-Scheduling

Tasks Survey - Grouping

Common

- Does not require Alert, NDay, TimeZone, TimeZoneRule, and RecurrenceRule classes
- Properties are: @type, created, description, descriptionContentType, locale, links, participants, prodid, progress, progressupdated, title, uid, updated, keywords, priority, categories, color, comment, impact, localizations, locations, privacy, relatedto, source, virtuallocations

Time-Estimation

Advanced-Scheduling

Tasks Survey - Grouping

Common

Time-Estimation

- Adds Alert, TimeZone and TimeZoneRule classes
- Properties are: alerts, usedefaultalerts, due, estimatedduration, estimatedwork, percentcomplete, showwithouttime, start, timezone, timezones, utcStart, utcDue

Advanced-Scheduling

Tasks Survey - Grouping

Common

Time-Estimation

Advanced-Scheduling

- Adds RecurrenceRule and NDay
- Properties are: `excluded`, `excludedrecurrencerules`, `recurrenceid`, `recurrenceidtimezone`, `recurrenceoverrides`, `recurrencerules`, `freebusystatus`, `method`, `replyto`, `requeststatus`, `sentby`, `sequence`

Tasks Survey - Grouping

How systems map to the groups (to double-check the mapping makes sense):

- Groupware: *Common, Time-Estimation, Advanced-Scheduling* (Google Workplace, Microsoft To Do, Open-Xchange)
- Simple: *Common*
- Kanban: *Common, Time-Estimation* (Microsoft Planner, Nextcloud Deck, Trello)
- Issue tracker: *Common* (Mantis, Jira*, BugZilla, Redmine*)

Tasks Survey - Blob.created

- When a blob creation occurred
- Observed in several systems
- Not vital for portability. Do we want this?
- I guess we either put this in
 - JMAP for Tasks and JMAP for Calendar or
 - JMAP Blob management extension

Tasks Survey - keywords

- Keyword as a new Object with color and word
- Should probably be in-sync with:
 - categories and
 - JMAP for Calendars

Tasks Survey - Future Work

Properties:

- Comment:
 - very important for several use-cases (also for other data types)
- History:
 - Was teased in previous meetings
 - Reminder: Probably there will be a new spec in the future

Collecting feedback from Task System vendors soon!