JMAP for Tasks

https://www.ietf.org/archive/id/draft-ietf-jmap-tasks-04.html

What's new in JMAP for Tasks

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

What's new in JMAP for Tasks

Add features from Tasks Survey as discussed at IETF 113:

- extend `Relation` with new values (e.g. depends-on) instead of relatedTo
- add `TaskList.keywordColors` and `TaskList.categoryColors`
- `estimatedWork` SHOULD be Fibonacci scale (common in agile)
- mention that `impact` can be used to determine priority
- throw out `source` in favor of `prodId` (thanks @Robert!)
- Improve progress tracking (next slide)
- Grouping (next slide)

What's new in JMAP for Tasks - progress tracking

- Semantics of the new values were unclear (e.g. resolved vs. completed or confirmed vs. in-process)
- Some systems (Jira) allow defining custom workflows on a project-level

⇒ Possible values and their semantics depend not only on systems but also on the project

`TaskList.workflowStatuses: String[]`

- default: `[completed, failed, in-process, needs-action, cancelled, pending]`
- There are mapping suggestions in the spec

`Task.workFlowStatus`

- MUST be one of the values of `workflowStatuses`
- `progress` MUST then be null

What's new in JMAP for Tasks - Grouping (1)

Remember: Task systems are more heterogeneous

Goal: Reduce implementation overhead for some use cases

What's new in JMAP for Tasks - Grouping (2)

- Feature Groups: Common, Recurrences, Assignees, Alerts, Localizations, Custom Timezones
- Three good reasons for grouping objects and properties:
  - Uncommon in certain types of systems
  - Optional within JSCalendar
  - Require additional business logic (mostly ignore simple key-value pairs)
- Each group is a separate capability (not sub-capabilities)
  - Avoids additional complexity (e.g. notSupported setError)
  - Might make developers unhappy that want to support everything (need to use 6 capabilities)
  - Do you still like it?

What's new in JMAP for Tasks - Grouping (3)

Groupware (varies)

- Google Workspace - Recurrences
- Microsoft To Do - Recurrences, Alerts
- Microsoft Planner - Assignees
- Open-Xchange - Recurrences, Alerts, Assignees
- Zimbra - Alerts

Personal Task

- Remember The Milk - Recurrences, Assignees, Alerts

Boards (all support Assignees):

- Clickup - Recurrences, Assignees
- Factro - Assignees
- Nextcloud Deck - Assignees
- Trello - Assignees, Alerts
- Zube - Assignees

Issue Trackers (only support Assignees)

- Jira - Assignees
- Mantis - Assignees

First Feedback out from vendors

- WeKan
- 2Do
- …

JMAP for Tasks

That is all.