Kanban in EGroupware

SMART ONLINE OFFICE
Kanban in EGroupware

- What is Kanban
  - Origin
  - In software development
  - Kanban for (almost) everything
  - Terms

- Kanban in EGroupware

- Kanban according to EGroupware 21.1
Kanban - Origin

Kanban is a method (for production process control)

Developed in 1974 at Toyota (Japan) as a method to avoid material shortages and overstocking.

Kanban: A compound of the two Japanese syllables kan and ban, which roughly means "signal card".

The result is a pull method where supplies are requested only when they are needed.
Kanban in software development

Transferred to software development, this method can be used to control development teams.

- no idle
- avoids overload
- is flexible

Kanban is an agile method. This essentially also means that improvements/work is done in small steps (evolutionary).
Kanban for (almost) everything

This method can be applied to many tasks.

Whenever small tasks make up a whole (project) and/or work is done in a (distributed) team, Kanban methods can be used to gain structure and an overview.

Especially in agile processes (no deadline) Kanban helps.
Kanban - Boundaries

Kanban has limits!

So it is not suitable to manage large amounts of information/tasks/tickets/... in a (single) board in a reasonable way.

And: The space of a screen is exhausted at some point.
Kanban terms

Board
A Kanban board is a board on which tasks are attached.

Column
The board is divided into columns, each of which has a title and represents the status of a task.

Map
A card represents a task (or a contact, ticket, ...).

Swimlane
Floating lanes are horizontal subdivisions of a Kanban board.
# Kanban

<table>
<thead>
<tr>
<th>Stories</th>
<th>To Do</th>
<th>In Progress</th>
<th>Testing</th>
<th>Done!</th>
</tr>
</thead>
<tbody>
<tr>
<td>US No 10</td>
<td></td>
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<tr>
<td>US No 11</td>
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<td>US No 12</td>
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<td>US No 3</td>
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</tr>
</tbody>
</table>

**KANBAN Desk**
Kanban in EGroupware

- In EGroupware, Kanban is implemented as a module.
- This module takes objects (tasks, contacts, tickets, files, directories, ...) and displays them in a Kanban board.
- Swim lanes can be added to a board to further divide/structure topics.
- A board can monitor changes to objects and add objects automatically.
- Changes to board objects can trigger automated actions (move, assign, ...).
Kanban in EGroupware

- Free design of columns and swimlanes: Number, colours, designations/names.
- Available EGroupware applications and access permissions can be set.
- Access rights for swimlanes can be set separately.
- Cards are moved between columns (and swimlanes) by DnD.
- Columns and swimming lanes can be collapsed by clicking on the label.
Kanban in EGroupware

- Terms (swimlane...) can be adapted via Admin/Own translations.

- The access authorisation to the Kanban module can be regulated (as usual) via the execution rights.

- The linked Kanban board can be found in the assigned objects under Links.

- Coming from the Kanban module, **board-authorised persons can read objects**, editing rights require delegation or ownership.

- A board can be described in an HTML free text field.
Kanban in EGroupware

- Thanks to Push, changes on the board are implemented/displayed simultaneously to all users.

- The Kanban module can be used in parallel because it ultimately represents information from other, existing modules.

- Kanban integrates into EGroupware. No duplicate maintenance (tasks, tickets, users, ...), no interfaces, familiar environment, no ...
Kanban in EGroupware

- Boards can be copied (currently only without elements).
- Columns and swimlanes can be sorted by DnD in the board edit.

Some example screenshots can be found at the end of these slides.
Kanban modules

• Through integration in EGroupware, objects from most modules can be inserted into a Kanban board.

• The insertion can be carried out manually via the link in the object, via the object context menu, via DnD or by creating a new object in the board.

• The objects can be opened/edited from the board.

• The objects are, so to speak, the back of a Kanban card.
Kanban modules
Kanban in EGroupware

Monitoring

of objects in applications to automatically add them to a board/column.

Example:

A new ticket (manual or email) from a tracker queue is automatically added to the board of a/the team.
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Monitoring

of objects on the board in order to make automated changes.

Example:

Move from „New“ to „In Progress“ enters the task manager in an InfoLog. Who moved the map...
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Possible applications:

Imagination :-)

Example:
Staff scheduling

A client company is already using the Kanban module to plan employees.
Kanban according to 21.1

We still have some ideas that we want to implement:

• Fold in/out columns/swimming lanes implemented!
• Optimisation on touch boards (Anyone interested/board?)
• Deeper connection to project management
• ...

We develop along customer requirements!

Thus we have an open ear for requirements (after settling in!).
Sources of information/help

EGroupware website
https://www.egroupware.org/de/kanban

Support
https://my.egroupware.org/egw

Worth reading pages on Kanban
https://www.ionos.de/digitalguide/websites/web-entwicklung/kanban/
https://karrierebibel.de/kanban/
Sources of information/help

Forum

https://help.egroupware.org/

No Kanban category, because EPL feature

Registration is of course also useful for EPL customers...

... e.g. to receive regular announcements by e-mail (can be deactivated).
Translations

The Kanban module is currently available in English and German.

For other languages we need support. Whoever can and wants to, writes a short e-mail to su@egroupware.org
Screenshots

Columns, swimlanes, contacts, tasks, directories and files in one board.
Screenshots

Collapse columns / swimlanes
Screenshots

Authorised applications, Permissions and Board description

Boards as favourites
Screenshots

Elements via DnD into a Kanban board

Dragging an address contact to the Kanban board tab and dropping it on the column.

DnD also works between other modules (where it makes sense)
Screenshots

Sort columns and swimlanes

Possible via DnD in the Board editing.

The handle is located at the front.