



Gantt Chart Viewer on CERNBox

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Agenda

Introduction

Architecture

Available features

- **Gantt view**
- **Team Planner view**

Next Steps

Gantt Chart Viewer

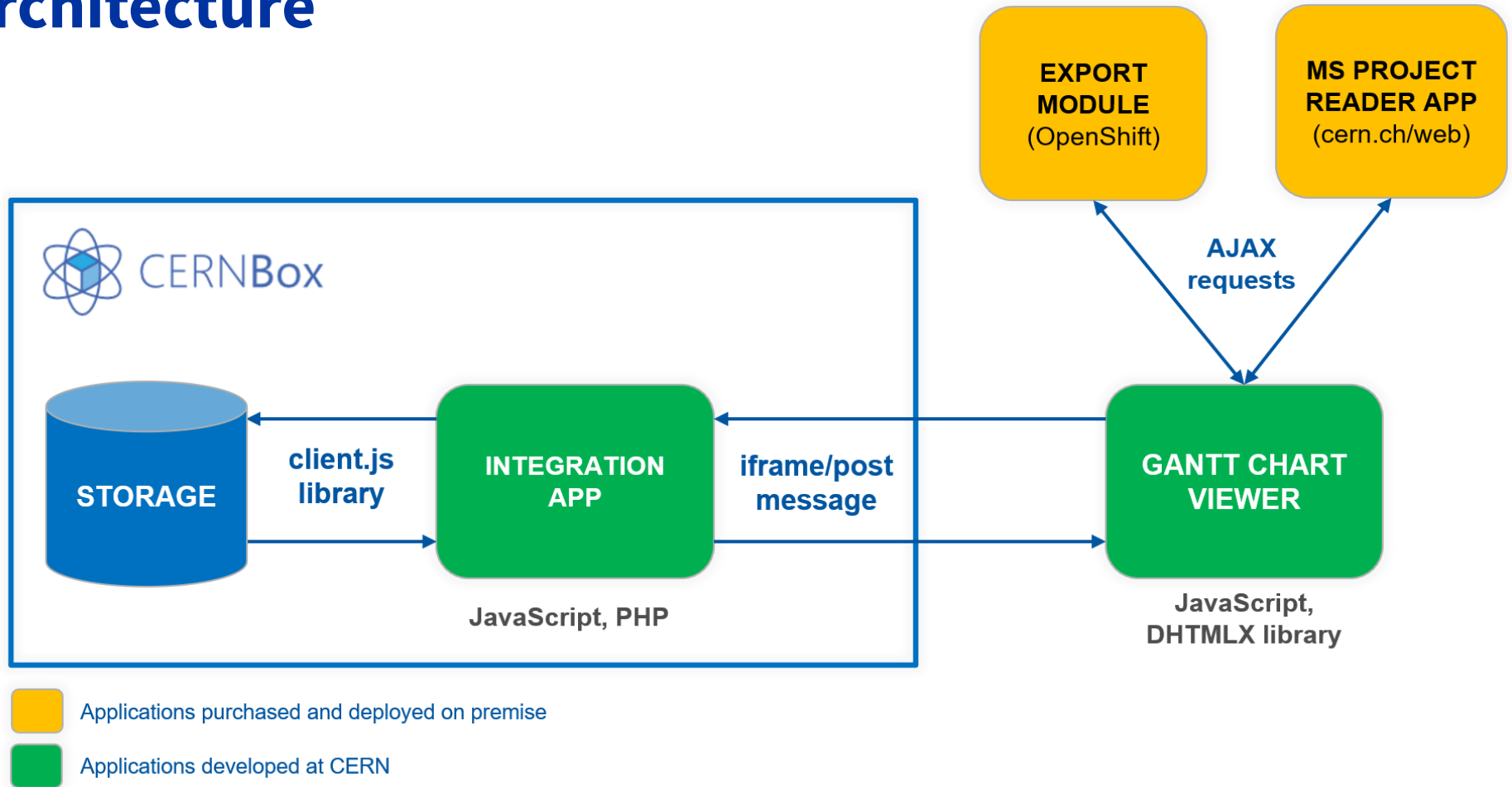
Read-only application for viewing schedules from MS Project MPP files

- Challenge #1: Dealing with files from different users – universal application needed
- Challenge #2: MS Project uses proprietary binary file format – impossible to save changes back to MPP file

DHTMLX libraries and import/export modules

- DHTMLX JavaScript libraries
- Import from MPP
- Export to XML compatible with MS Project
- Export to PDF and PNG

Architecture



Available features

Opening files from CERNBox and local HDD

Exporting files to different formats PDF*, PNG, XLSX etc.

Adjusting display (themes, zoom in/out, full-screen mode)

Adjusting chart (scales, grid appearance, table columns' visibility)

Critical path and slack visualization

Markers (predefined and custom)**

Team Planner view (NEW!)

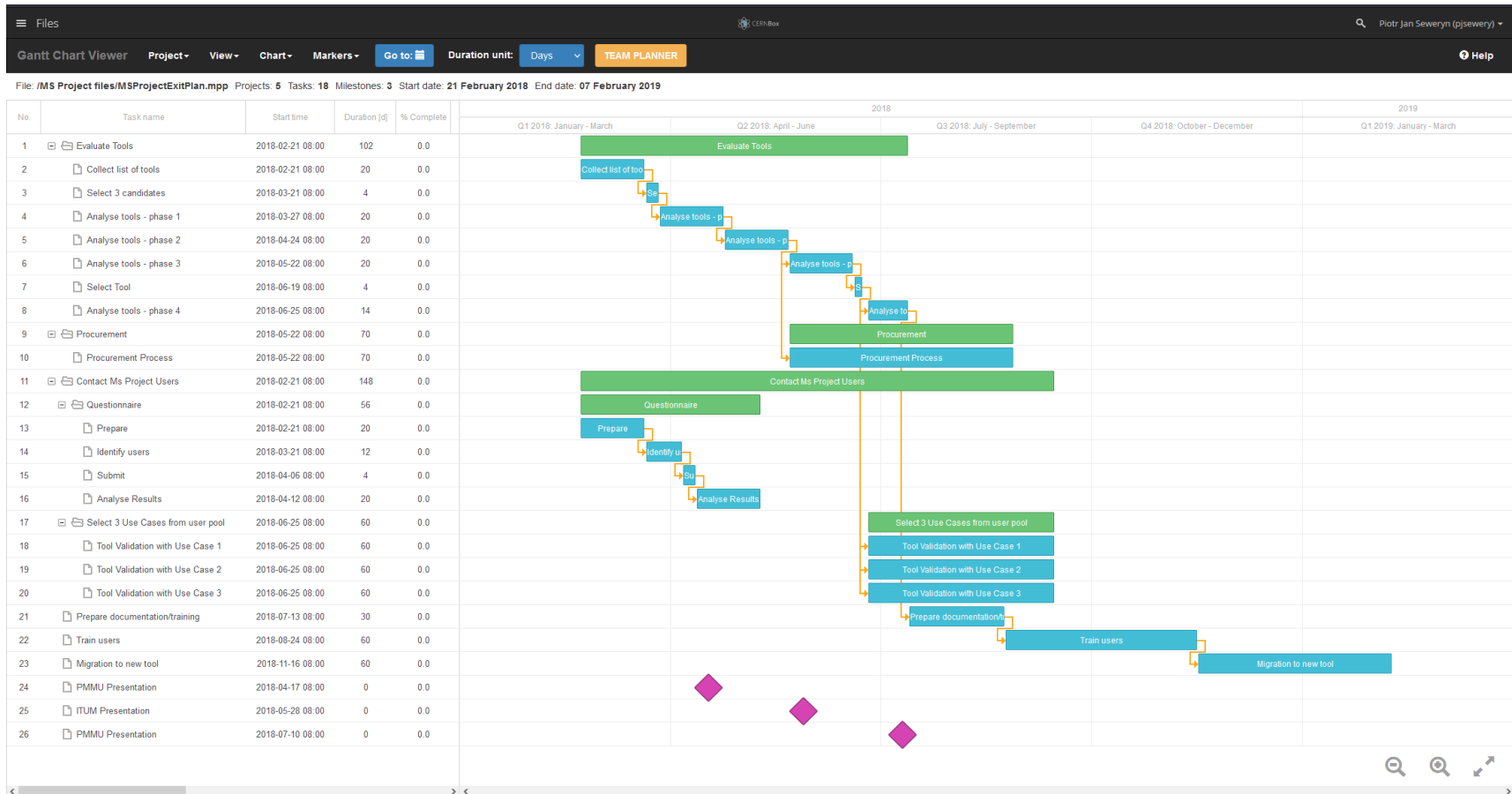
Help page with user manual and known issues



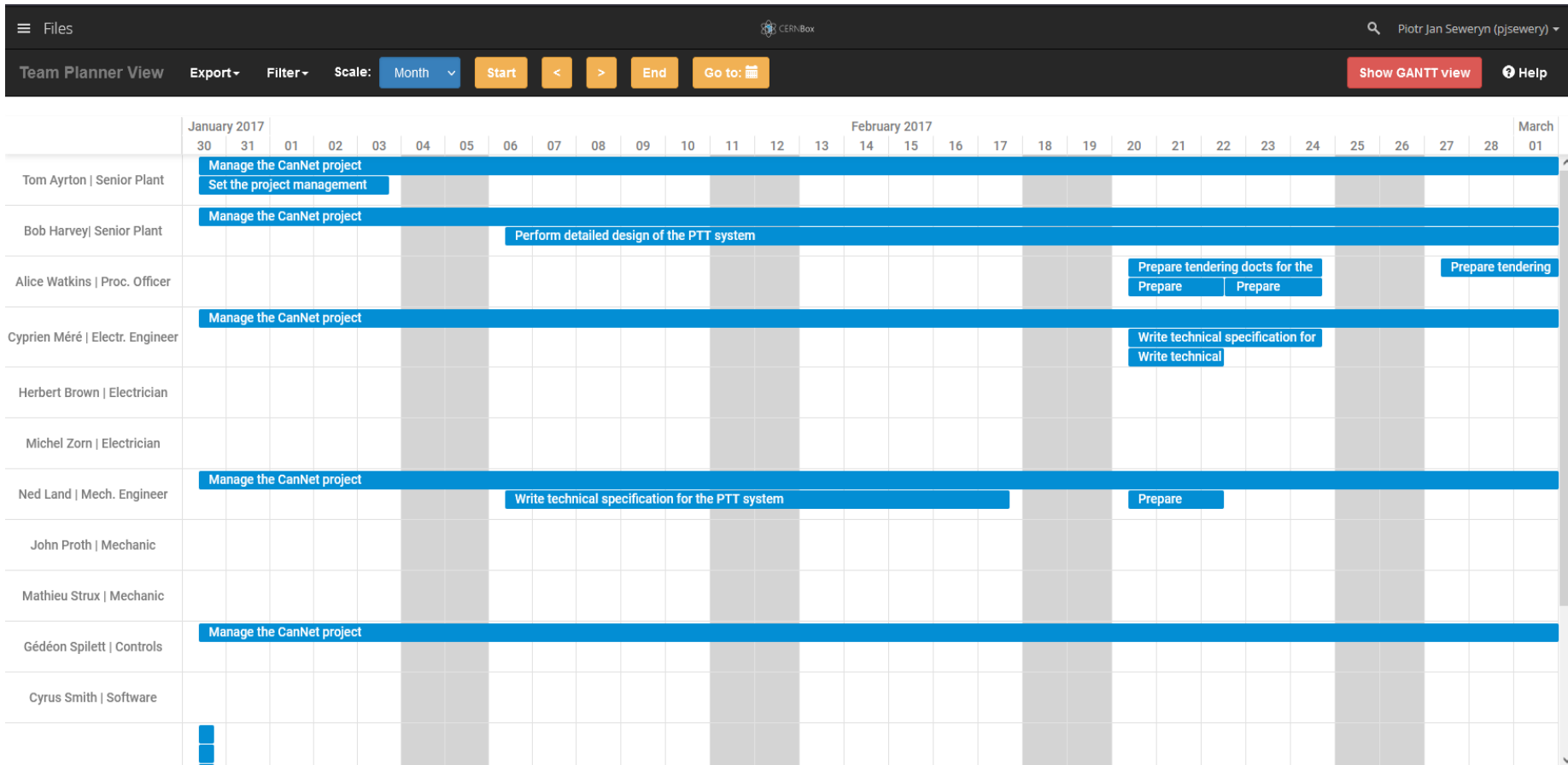
** Export module for PDF is limited. There is no built-in pagination mechanism, thus it is only possible to export single page document – quite tricky when there is lots of tasks.*

***Markers can be added but not saved – they are lost between sessions.*

Gantt view



Team Planner view



Next Steps

Depend on the usage of the tool

- **Current usage: very low**
- If there is an interest of the user community to adopt this application we may improve it further

Mandatory future steps

- New integration with CERNBox
- Minor improvements and bug fixes

Possibilities

- Editor application
- Filtering, sorting, searching tasks
- Other various UI and UX improvements

Thank you!



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