

aectemplater



aectemplater

pydantic object model for Pdt (and Schedule?) definitions
file parser and mapping for the following filetypes:

- *pdt-json*
- *rvt txt schedule*
- *pdt-xlsx*
- *rvt-sp txt (shared param file)*
- *rvt-map txt (ifc mapping file)*

pandoc api for conversions



aectemplater-api



(current name pdttemplatier)

API for interacting with SQL database of PDT definitions
- requires aectemplater



ui

ipywidgets user interface for managing the database of pdt definitions



aecschedule



aecschedule

(current name mfschedule)

- requires aectemplater
- pydantic object model for Schedule definitions? (or put that in aectemplater?)
- printing schedules as pdf



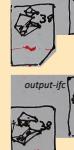
ui

ipywidgets user interface for:

- creating schedules
- managing schedule data
- syncing data with Revit
- printing pdf schedules

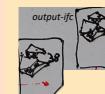


import-export-pdts



- pyrevit tool for importing and exporting PDTs to-from excel

- py27 script for UI
- py38 script to call aectemplater to do the conversion



export-ifc



- pyrevit tool for exporting ifc model

- py27 script for UI
- py38 script to call aectemplater to create mapping file

Software Architecture for the Scheduling Workflows

sketch diagram showing the python packages and scripts required for the scheduling workflow. Given that some code is executed on the server and some on the users machine, care is required to ensure compatibility. For example, aectemplater was slimmed down and simplified to ensure that it could be ran from both pyrevit and on the jupyter server.