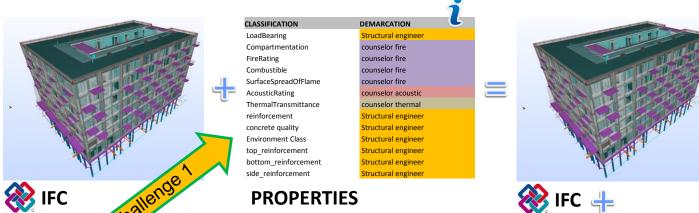




VASTGOED EN BOUW

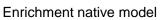






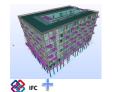


Challenge 2















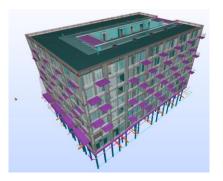
VASTGOED EN BOUW



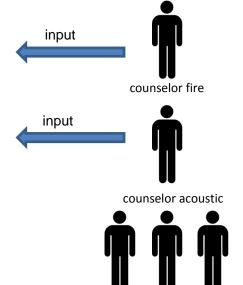


input

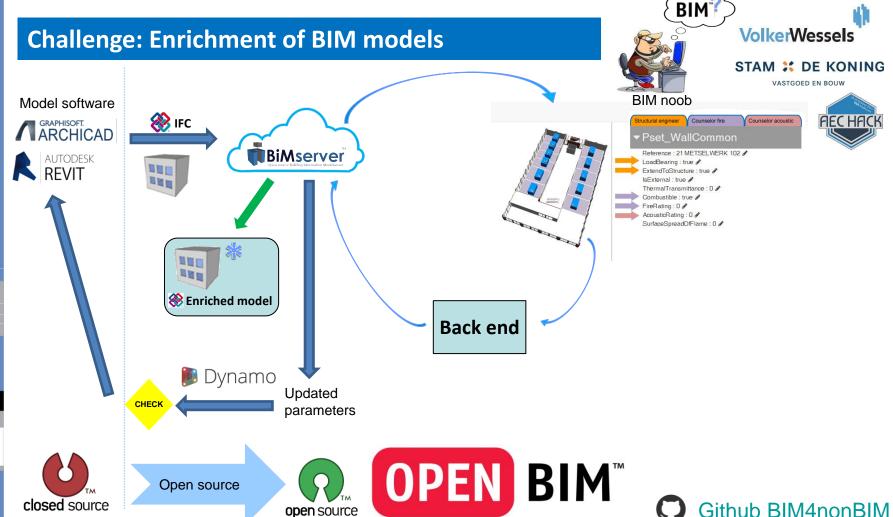
Edeting GEOMETRIE



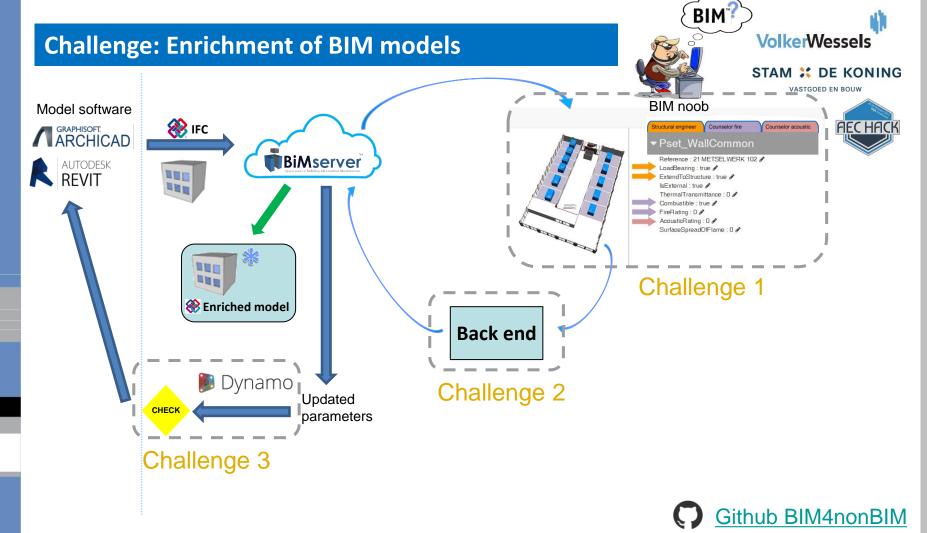
BIMmodel



Input of other people for making a building how don't know to modelling (and you also don't want them to)



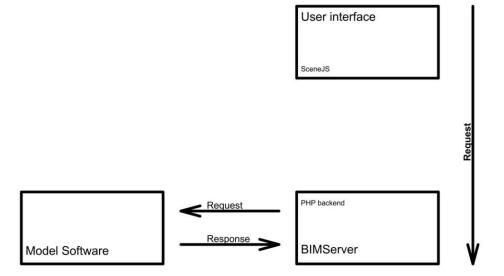












JSON Request: Parameters of GUID

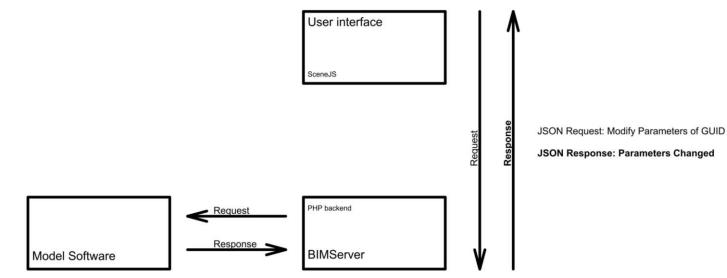






VASTGOED EN BOUW



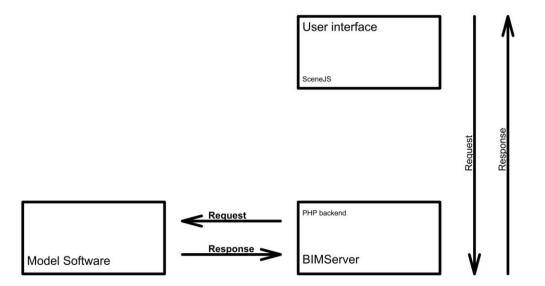












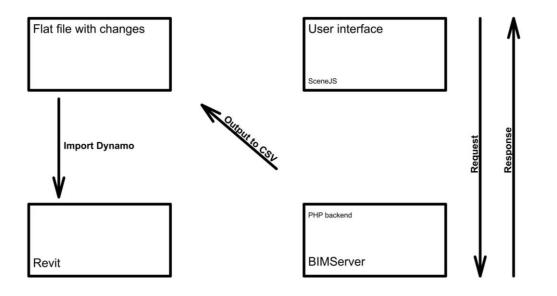
Request: Receive changes

Response: Guid + Parameters









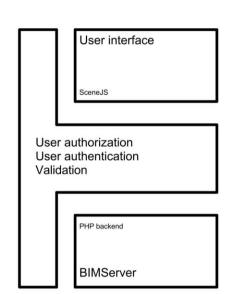


3IM 4 not Bimmers

Challenge: Enrichment of BIM models







Model Software



Challenge 1: User interface





VASTGOED EN BOUW







User interface:

- Multi selection
- Finding bugs on BIMserver
- Feedback het te be searched for (time consuming)
- UI
- Sending request for changes (parameter-value)

Live DEMO ©



Challenge 2: Back end







Back end:

- Recieves 'Update' from Frontend Creates a new Revision on the bimsever with the new data.
- Saves a 'changes' CSV file.

Nothing wrong with that



Challenge 3: Update native model



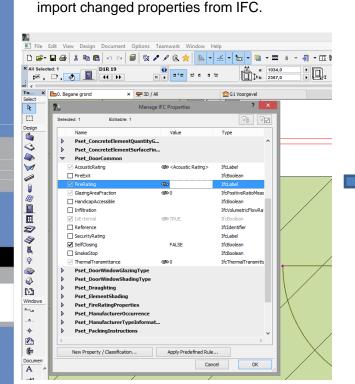
STAM # DE KONING

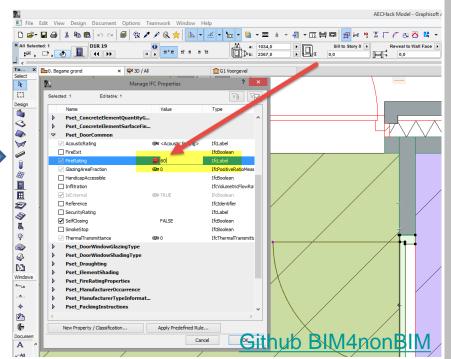
VASTGOED EN BOUW



Archicad has an native option to

GRAPHISOFT.
ARCHICAD





Challenge 3: Update native model









BIMserver Dynamo node

CSV-file

```
Bestand Bewerken Opmaak Beeld Help

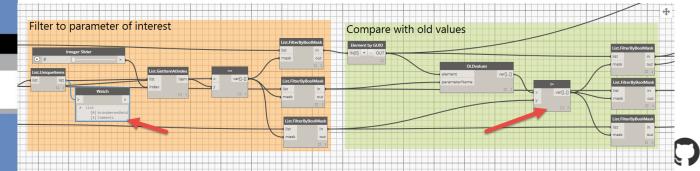
UniqueID, ParameterName, Value
945b15ee-0048-4eb7-b02c-ccc92afaf1a1-00118aa2, brandwerendheid, 30
945b15ee-0048-4eb7-b02c-ccc92afaf1a1-00118aa3, brandwerendheid, 30
945b15ee-0048-4eb7-b02c-ccc92afaf1a1-00118aa5, brandwerendheid, 60
945b15ee-0048-4eb7-b02c-ccc92afaf1a1-00118aa6, brandwerendheid, 60
945b15ee-0048-4eb7-b02c-ccc92afaf1a1-00118aa7, brandwerendheid, 60
945b15ee-0048-4eb7-b02c-ccc92afaf1a1-00118aa6, comments, geel
945b15ee-0048-4eb7-b02c-ccc92afaf1a1-00118aa7, comments, rood
945b15ee-0048-4eb7-b02c-ccc92afaf1a1-00118aa7, comments, blauw
```

Import chants property values to Revit:

- Revit don't suport improting of IFC

3 options:

- The back end generates a chance list
- Json call form Dynamo to BIMserver
- BIMserver generates a al list of chanes between revisions (dont work)



Github BIM4nonBIM

Challenge 3: Update native model

AUTODESK REVIT

hoogte ventilati... 78.0

breedte ventilati... 435.0 breedte ventilati... 435.0

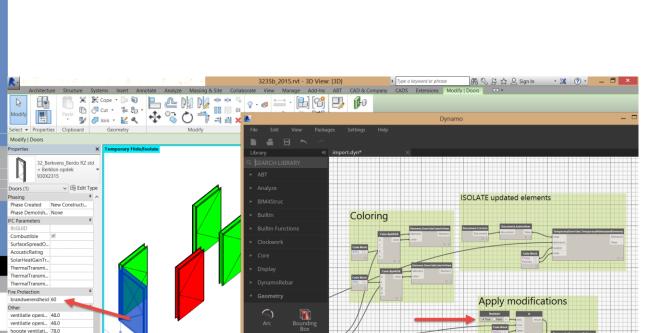
Ventilatieopenin... 200.0 Ventilatieopenin... 200.0





VASTGOED EN BOUW





Circle

Dynamo import + check

- 1 by 1 selection of parameters
- Compare with existing value
- Visualize changes (isolatie)
- Optional merge







VASTGOED EN BOUW





CLASSIFICATION

LoadBearing Compartmentation FireRating Combustible SurfaceSpreadOfFlame AcousticRating ThermalTransmittance reinforcement concrete quality **Environment Class** top reinforcement

bottom reinforcement

side reinforcement

DEMARCATION Structural engineer counselor fire counselor fire counselor fire counselor fire counselor acoustic counselor thermal Structural engineer

Structural engineer Structural engine Structural engi Structural e Structura!



PROPERTIES

rive model

