First assumptions on model comparison

What are our requirements ?

- Compare models
  - 2way
  - 3way
- Show the differences
- execute actions over the differences

Compare models

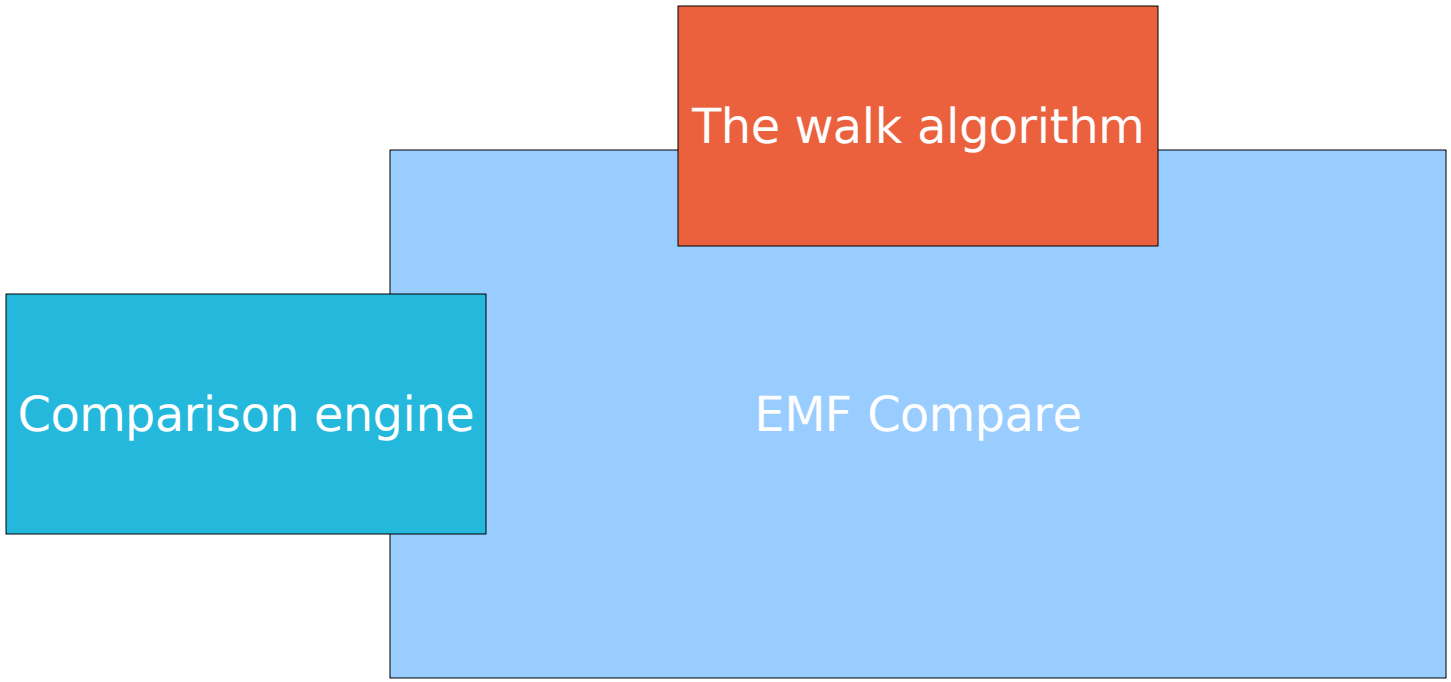
- What do we compare ?
  - the ids ?
  - the names ?
  - the graphical location ?
- What is a match ?
- == ?
- equals ?
- ~ ?

Compare structures

- Easy to browse a tree
- But how do you handle a recursive tree ?
- Is containment the reference you should always follow ?

- Truth is... we don't know! You'll have to do the work!

How about a generic solution ?



Show the differences

- The differences are an EMF model.
- We should be able to :
  - see a textual version of the differences
  - see a tree view of the differences
- We don't plan on supporting GMF.
  - we want to be a basic component
  - we want to integrate with EMF as much as possible

Execute actions over the differences

- Should be just like Eclipse Compare
- 2way:
  - merge
- you can:
  - merge
  - update
  - resolve a conflict (overriding)

uml models