# Requirement Refinement Meeting openPASS

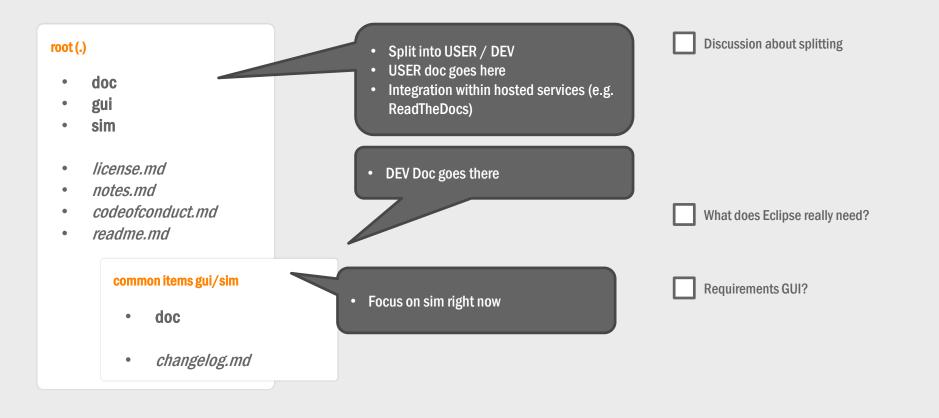
12.02.2020 - René Paris, Reinhard Biegel on behalf of BMW AG



### **Design Premise**

- Try to follow best practices of open source
- Apply DRY principle on paths
  - or keep paths short the old windows issue
  - no more openpass\_this/openpass\_that/algorithm\_this/algorithm\_this\_and\_that/...
- Reflect architectural changes
  - or simply moving stuff around

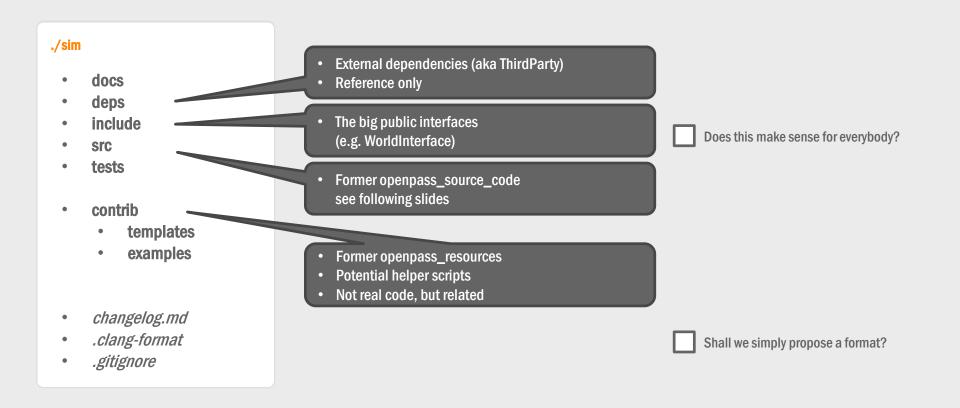






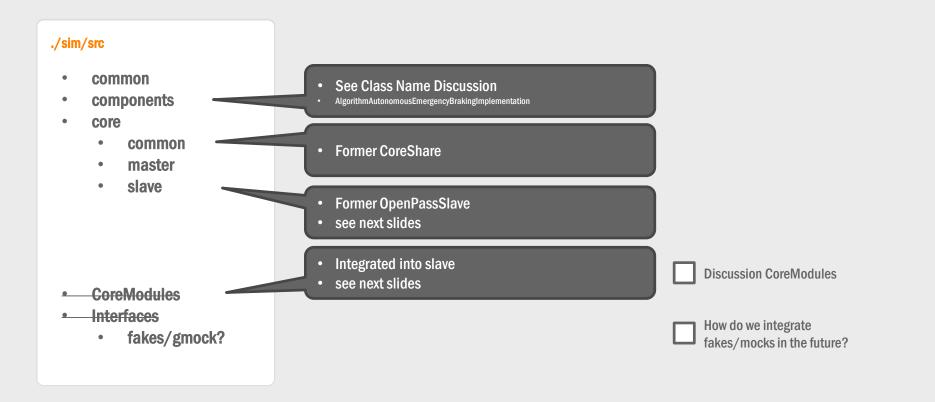
**Proposed Structure** 





## **Cleanup Directory Structure**





**Proposed Structure** 



#### ./sim/src/core/slave

- common
- bindings
- framework
- importer
- modelElements
- modules
  - eventDetector
  - manipulator
  - spawnpoint
  - observer
  - world
  - stochastic

- Former Interfaces
- Dynamic Library Interfacing stuff
- Often confused with C++ interfaces
- A discussion on its own, but right (now) where it belongs
- Right now mixture of *Networks*, *Single Instances* and *Factory Classes*

#### /modules/eventDetector

- common
- collisionDetector
- conditionalEventDetector

#### /modules/spawnpoint

- common
- preRuntimeSpawnPoint
- runtimeSpawnPoint

#### /modules/observer

- common
- observation\_log

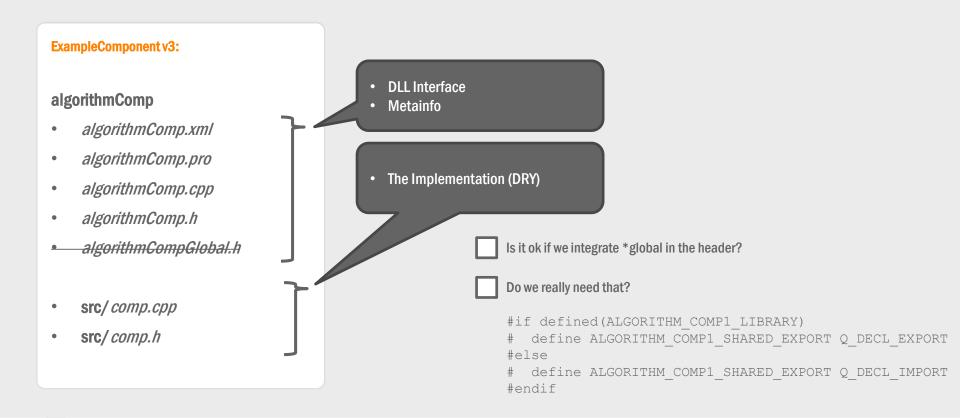




## ./sim tests Class Level Tests common Mirroring the src structure contrib E.g. /core/slave/commandLineParser\_Tests.cpp fakes gmock unitTests Everything, which needs external resources (e.g. import integrationTests example.xml) endToEndTests Clamping the whole simulator without GUI









**Proposed Structure** 





## **Continous Integration**



