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OPENPASS ARCHITECTURE COMMITTEE MEETING

07.11.2019



AGENDA

- 1. Feedback by Daimler / ITK on the Results Plugin and the compatibility with the csv output from the simulation**
- 2. Live demo on adjustment of simulation configs**
- 3. Concept for usage of different branches (e.g. Master, Development, ...) in repository**
- 4. Proposal by Angelika for development process in Eclipse-Repos à la OpenMDM
Developer branches? Feature branches? Temporary test branches? PCM as branch or tag?**
- 5. Static agenten configuration
Compatibility? Example with only static configs for v0.6?**
- 6. Visualization of systemConfigBlueprint in system Editor**
- 7. Open-Source approach for 3D-Visualisation of openPASS simulations „OSI-World => openCover“**
- 8. Topics for AC workshop on 04.12.2019**



**Feedback by Daimler / ITK on the Results Plugin
and the compatibility with the csv output from
the simulation**

FEEDBACK BY DAIMLER / ITK ON THE RESULTS PLUGIN AND THE COMPATIBILITY WITH THE CSV OUTPUT FROM THE SIMULATION

Feedback by ITK / Daimler:

- First column needs to be named „Frame“
- Second column needs to be named „Id“
- For each agent a new line is written (Agents are differentiated by their Id)
- Format is analogous to the HighD dataset
(compare: <https://www.highd-dataset.com/format> -> XX_tracks.csv)
- License issues are currently under discussion.
- Once the license issues are resolved, the plugin will be incorporated in the next release. If the ResultsPlugin would delay the official release v0.6, the plugin will be postponed to the subsequent Release.



Live demo on adjustment of simulation configs

Postponed to workshop on December 4th.

Collection of topics:

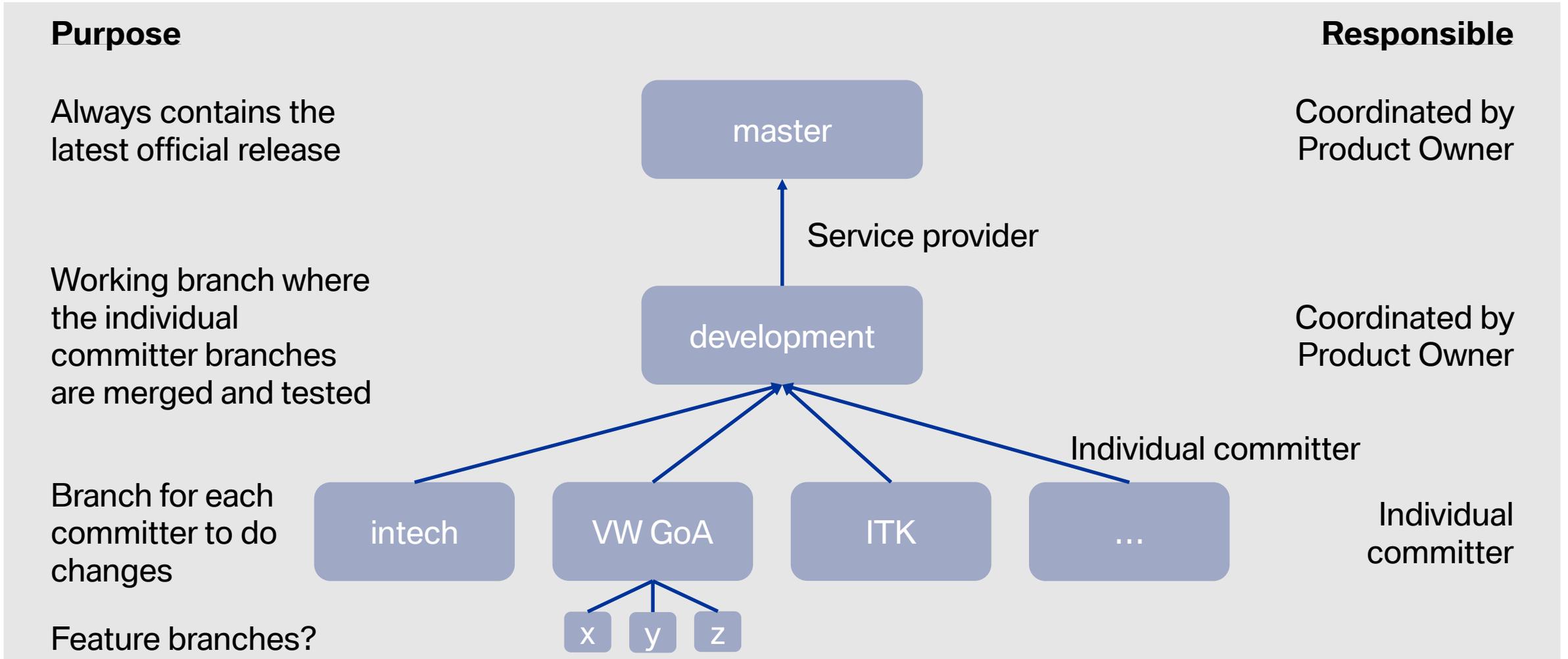
- Configuration of static and dynamic agents (Similar to the presentation of the scheduler)
- Discussion on features from the configurations and their interpretation by the core.

For planning of the workshop and preparation of the session, please send further suggestions to Arun.



Concept for usage of different branches in repository

CONCEPT FOR USAGE OF DIFFERENT IN REPOSITORY





Proposal by Angelika on the development process in Eclipse-Repos à la OpenMDM

Legend



projects (repositories)



branches



development stages



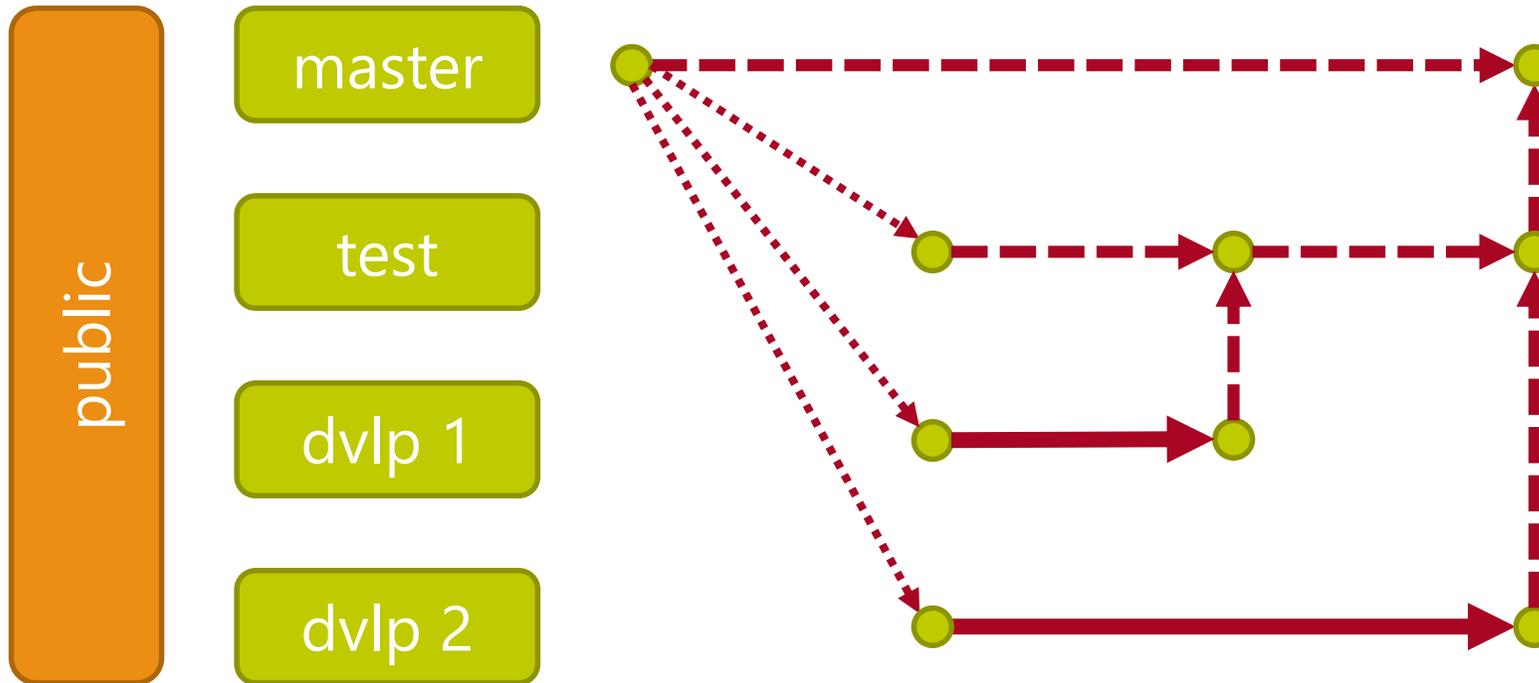
development branching / full copy



development progress



merge / consolidation





Visualization of systemConfigBlueprint in system Editor

VISUALIZATION OF SYSTEM CONFIG BLUEPRINT IN SYSTEM EDITOR

Logging: With a meaningful Id, the error message in the slave log is better understandable:

```
13:54:52.282 DebugUser: ThreadID: 0x5c38c CALLBACK: SensorFusion (...  
13:54:52.282 DebugUser: ThreadID: 0x5c38c CALLBACK: ActionSecondaryDriverTasks (...
```

ProfilesCatalog: The Reference to the component is done through the Id:

```
<VehicleComponentProfiles>  
  <VehicleComponentProfile Type="Dynamics_TrajectoryFollower" Name="BasicTrajectoryFollower">  
    <String Key="TrajectoryFile" Value="Trajectory.xml"/>  
    <Bool Key="AutomaticDeactivation" Value="true"/>  
    <Bool Key="EnforceTrajectory" Value="true"/>  
  </VehicleComponentProfile>  
</VehicleComponentProfiles>
```

```
<component>  
  <id>Dynamics_TrajectoryFollower</id>  
  <schedule>  
    <priority>50</priority>  
    <offset>0</offset>  
    <cycle>100</cycle>  
    <response>0</response>  
  </schedule>  
  <library>Dynamics_TrajectoryFollower</library>  
  <parameters/>  
</component>
```



Open-Source-Apporach for 3D-Visualisation of
openPASS-Simulations „OSI-World =>
openCover“ (HLRS by Uni Stuttgart)



Topics for AC workshop on 04.12.2019

TOPICS FOR AC WORKSHOP ON 04.12.2019

Proposed time: 8:00 – 15:00

Topics:

- Refinement of topics from previous SC
- Configs
- Simulation mit statisch definierten Agenten
- Dynamische Agentenconfig: Always needed components