

Notes and Logbook

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1 Internship Main Goal

2 Avancements des travaux

3 Etapes réalisées - Logbook

Iteration from the 4th May to the 15th May - Two first weeks

- Reading documentations about WinCC-OA.
- Setting up the main project.
- Reading/Writing emails to the ISIMA supervisor (Mr HILL) and the CERN one (Mr Luis Granado Cardoso).
- Helping and exchanging with Loann, who is working on the same technology as me.
- Going through the tutorial slides.
- Experimenting through Exercice 1,2,3 and 4.
- Facing some difficulties with the CTRL system.
- Reading documentation about HttpServer
- Watching videos about WinCC-OA on KAASM's youtube channel.
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Friday 15th May

- Starting work at 09.30
- Meeting with Luis searching about other stuffs WebServer/HttpServer
- Things to do : Look at all the documentation about WebServer, Navigations, Permissions and access (restrictions) and configs files (configs levels).
- Ending work at 14.30

Monday 18th May

- Starting work at 15.00
- Sick as fuck
- Ending work at 17.00

Tuesday 19th May

- Starting work at 10.00
- Finished the documentation.
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- Ending work at 17.00

3.1 Iteration from Wednesday 15th to the 20th

Configs files notes : config.level is for managers configurations, and basically, loading libs through this file. config.redu is for redundancy, that we are not seeking for, at the moment config.http is a premade file from the WinCC-OA folder config.webclient is an additional file for configuration Desktop and Mobile UI add-ons... Not what we are looking for

I have tested multiple stuffs on those. Nothing really can simply the actual config (root) file. I guess there's another option not yet tested which is the own conf file, idk if we can use more than once.

For the navigation fluidify and simply, I have been testing stuffs and reading about the differences between Modules, Embedded Modules , Child and Root Panel. To navigate properly, I think I should take a look at the Topologies panels components... Embedded modules through one root module, may be the best option.

3.2 Iteration from Wednesday 20th to the 27th

TO DO : - User permissions, one can connect to view, another can connect to administrate ; DONE ; - Play with the alarm Screen, make a shortcut to it - (FSM) Implement one, how it goes

DONE : - Login panel has been implemented (worked on both ULC and Regular WinCC) - Can access on user administration panel through it : Module ; SysMgm ; Permissions ; User Administration, which on root access list all users and permissions - Groups ; Administrate ; Permissions : You can change the group permissions but also, create new groups with new permissions - Permissions are logged in an Authorization Bits system. The first five bits are already define, they are predefined and un-changeable, but you can change the description if you want and texts of it : - 1 : Visualisation: Visualize only - 2 : Normal operator authorization: permits the opening of child panels. - 3 : Advanced operator authorization: permits execution of commands, explicit setting of replacement values, input of correction values as well as changes to all value range types. - 4 : Administration: permits the use of the PARA. - 5 : Acknowledgement: permits acknowledgment of alerts. - 32 : Allows SSO for one work station - Can also access on login statistics panel to see whose connected : Module ; Login Statistics - We can manage the Components access thanks to the boolean getUserPermission() function : CONTROL ; Control functions ; G ; getUserPermission() - We can check on the Main Panel, by Login via Guest or via Root - Auto login done, with inactivity (Glitch with inactivity, security one) (UI number changed some time)

- Alarm Panel -;
- FSM haven't the time

3.3 Iteration from Wednesday 27th to Tuesday 2nd

The aim of the iteration was to : - Adding and testing the FSM, on the Web app, it actually works but... - Create Shortcut for opening differents kinds of panels, I had issues with the DEN Panel... - Didn't check on the Alarm Screen and the Users Permissions, as I had issues with the DNS part of the tutorials.

4 Diagrammes de Gantt Réel