Software synergies using FRED and TMCB

for various applications

Filip Makowski

Agenda

Software
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FRED and
TMCB

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Introduction

Development
status

Implementation
details
  DCM
  LOGM

Discussion

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Goals

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- development of a software package that covers set of DOOCS-based device servers used to manage and control modules inside a LLRF station
- package will eventually consist of servers for DCM, LOGM and PSM modules
- set of libraries that can be used for further development and will make code reusage possible

Development status

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Done

- DCM server

In progress

- LOGM server, along with...
- FRED DOOCS wrapper
- DOOCS extension library

Future plans

- PSM server

DCM implementation

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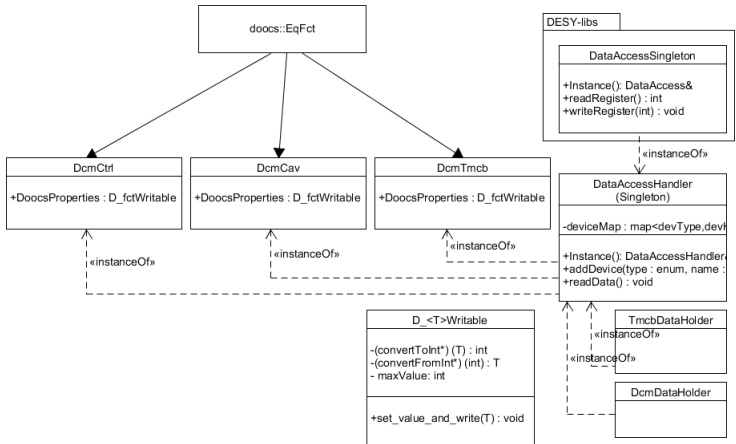details

DCM

LOGM

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Figure: DCM UML Class diagram

LOGM implementation

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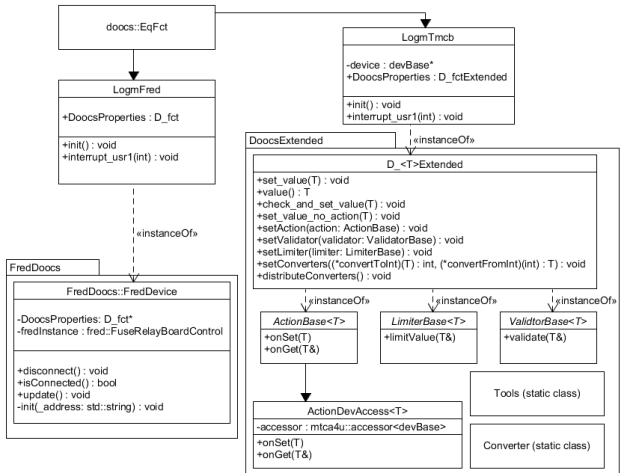Implementation
details

DCM

LOGM

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Figure: LOGM UML Class diagram

Discussion

Topics

- should FredDevice be merged with other library, i.e. libfred-dev?
- suggestions on current implementation
- requests or ideas for extending DOOCS functionality in the extension library
- future usage of implemented code

Thank you!