

Status of New Device Database for DESY XFEL

EPICS Meeting – IRMIS Workshop DESY, April 24, 2006

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Outline

Our history:

relational databases

Oracle Forms for user interface

New approach:

try to think object oriented

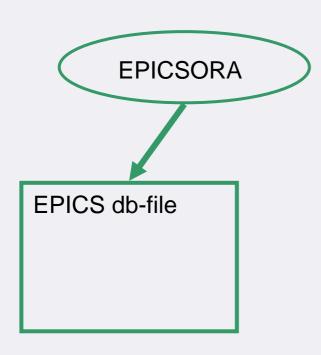
let Hibernate do the persistence

Jface toolkit for user interface





Past experience: EpicsOra



Use Oracle relational database

Try to imitate look and feel of objects

Tables for values:

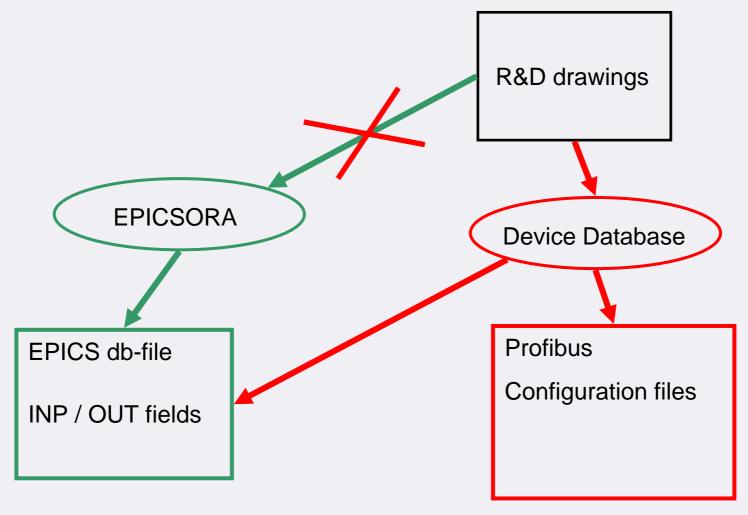
- dbd
- Prototypes (several levels)
- Instances

Grouping of records

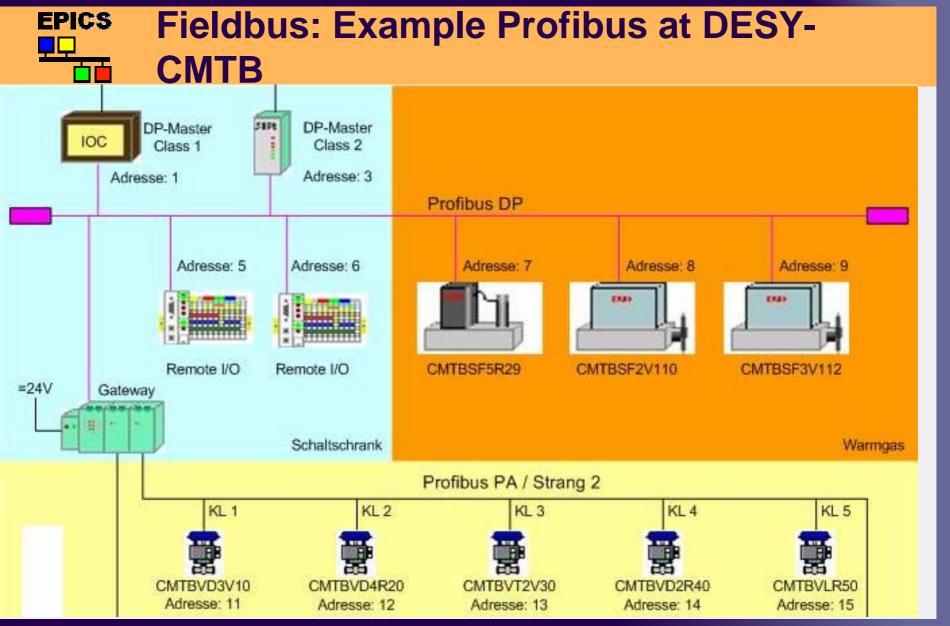




Consistent information





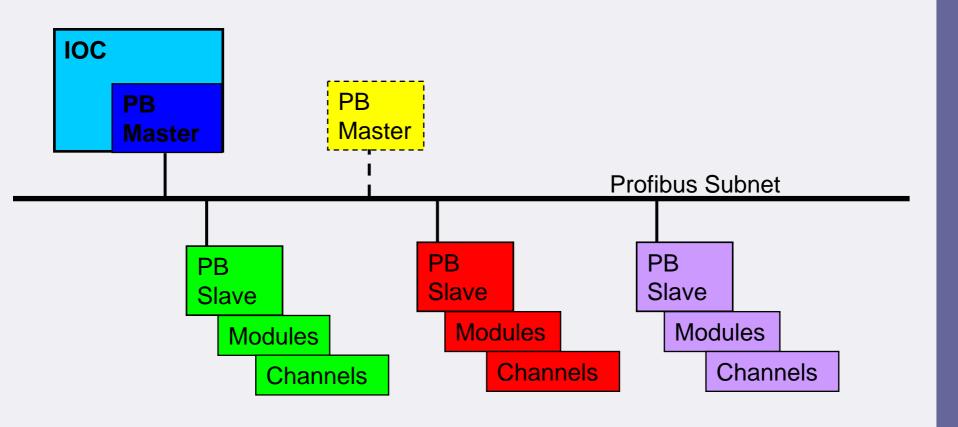






Fieldbus Tree Structure

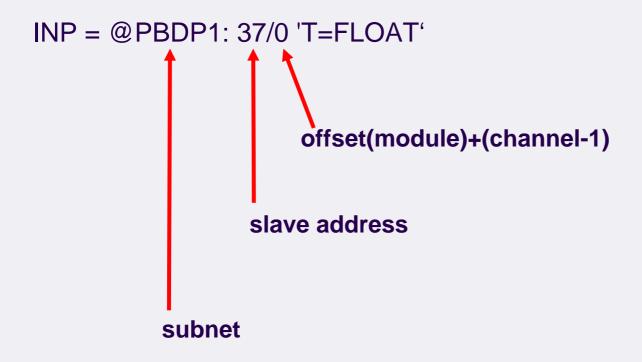
Example Profibus







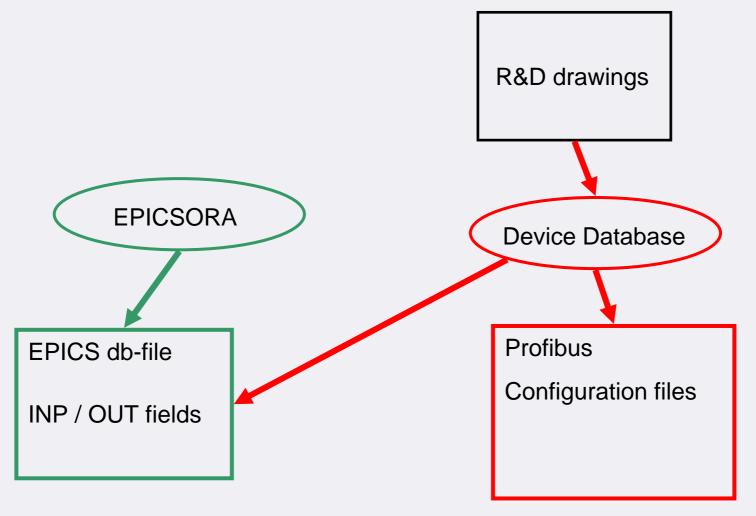
Fieldbus objects know their contribution to address string of a channel







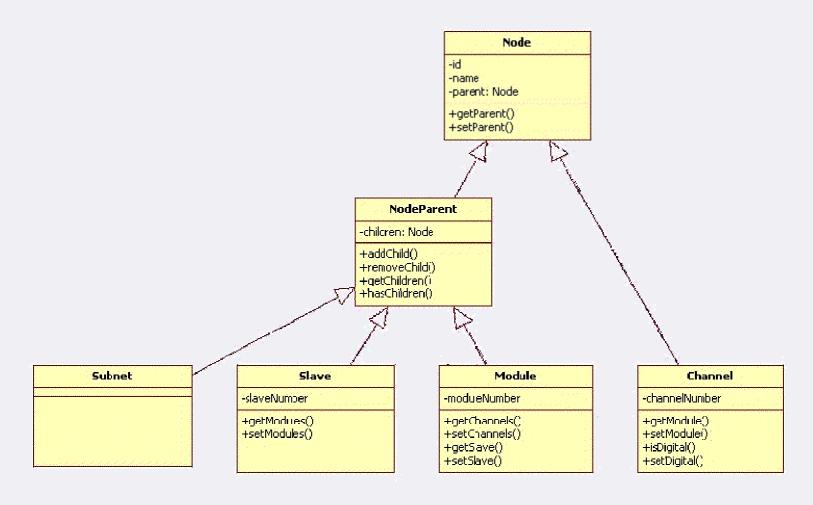
Consistent information







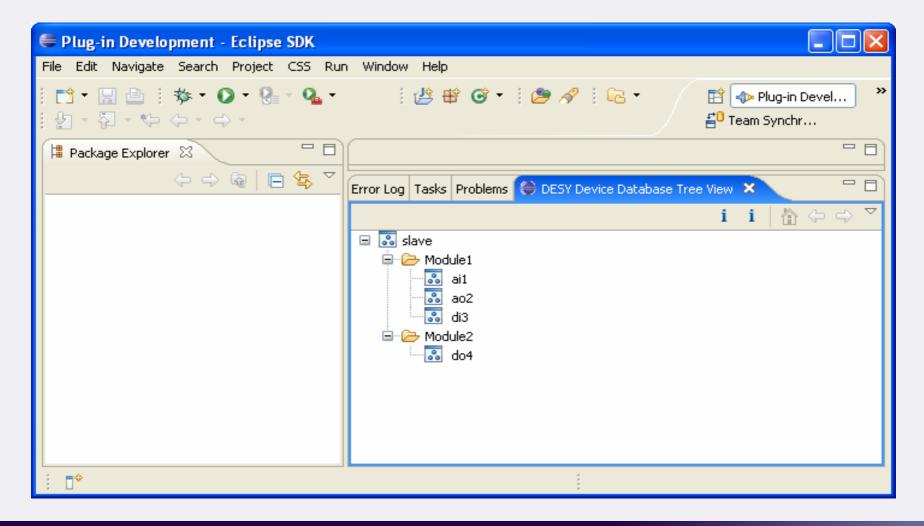
Object Model







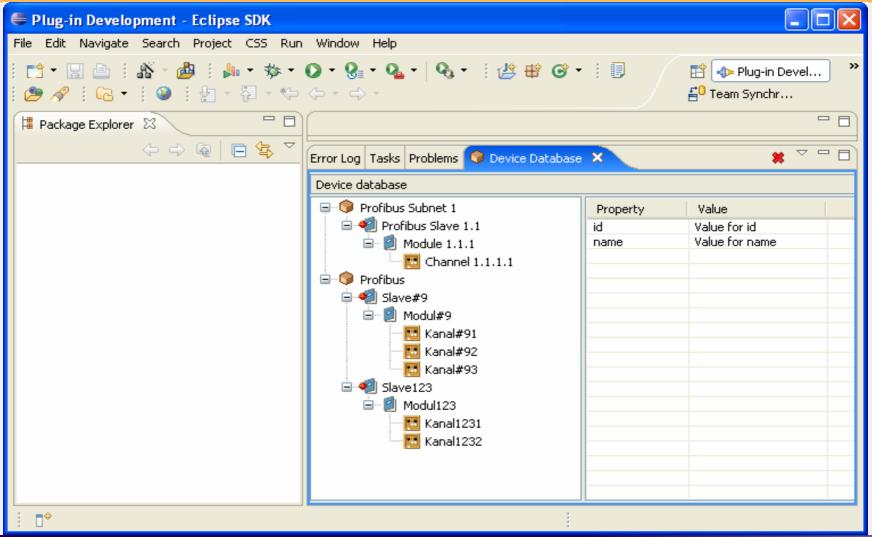
Treeview of Device Objects







Layout idea







Comments, Questions?

Thank you