Universal Slow Control (current status)

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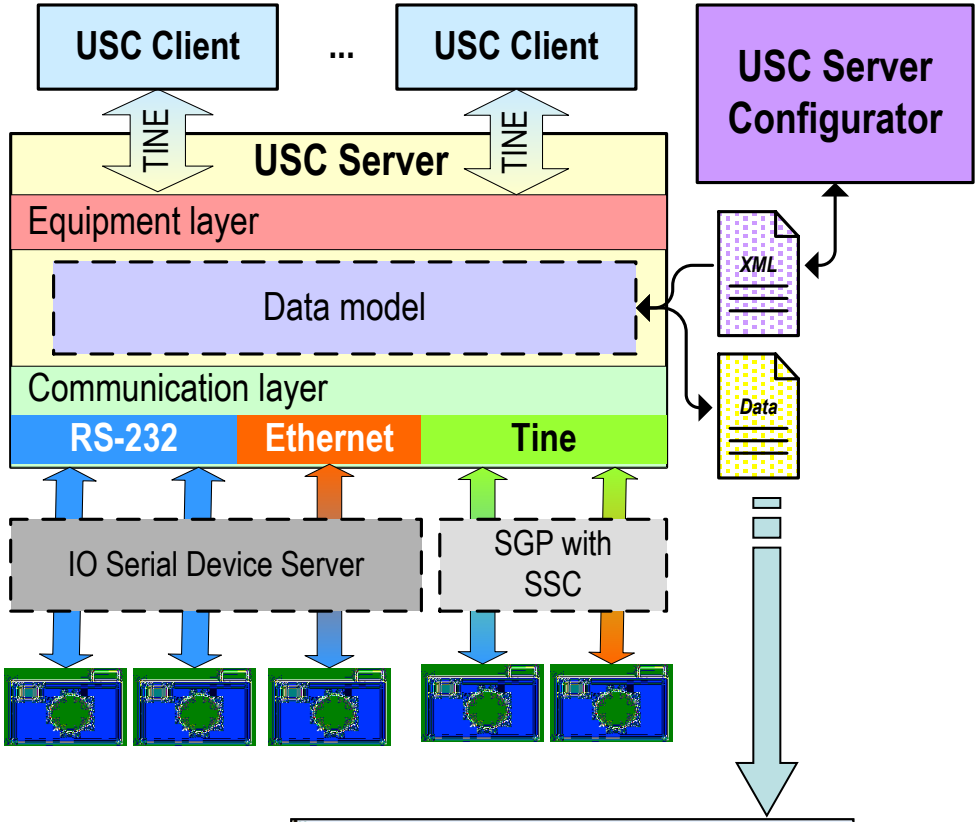
February 2011

USC TINE Server

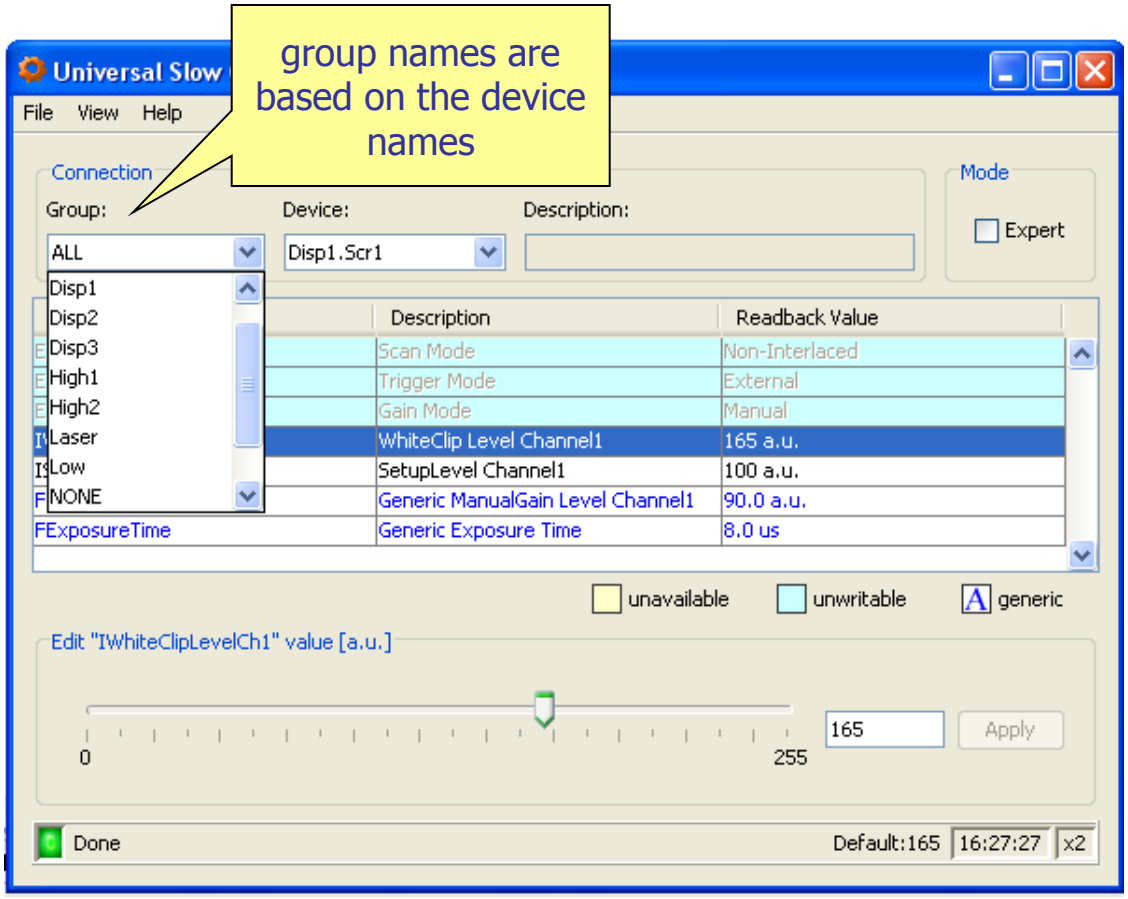
- equipment layer handles requests from the client;
- data model provides a standard set of data model elements used to control devices;
- communication layer allows server to read/write data from/to device using one of the standard communication protocols ;
- server XML configuration file is used to configure the server
- server Properties data file describes the state of the property values;
- using “SSC Finder” automatically obtains available SSC Servers;




```
#Thu Feb 03 13:10:09 CET 2011
Camera2/IManualGainLevelCh1=215
Camera2/ISetupLevelCh2=255
Camera2/ISetupLevelCh1=63
Camera2/EGainMode=Manual
Camera2/ETriggerMode=External
Camera2/IWhiteClipLevelCh2=255
Camera2/IWhiteClipLevelCh1=165
Camera2/EExposureMode=1/917000 Sec.
Camera2/EScanMode=Non-Interlaced
Camera2/IAutoGainLevel=200
```

USC Client

- invoked directly by user;
- uses TINE transport protocol protocol to communicate with USC Servers;
- using "USC Finder" automatically obtains available USC Servers;

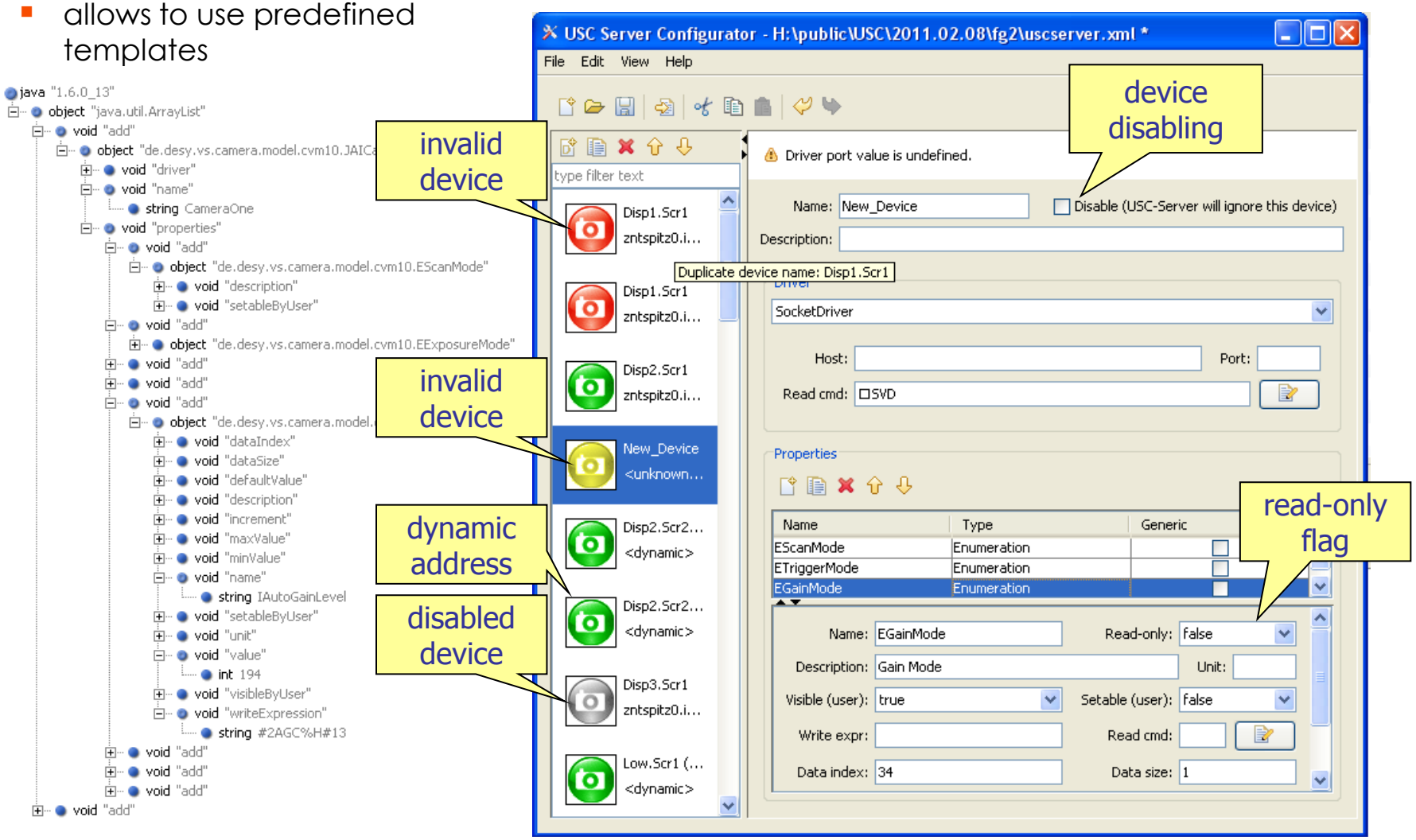


two (optional) Java VM arguments for USC Client:

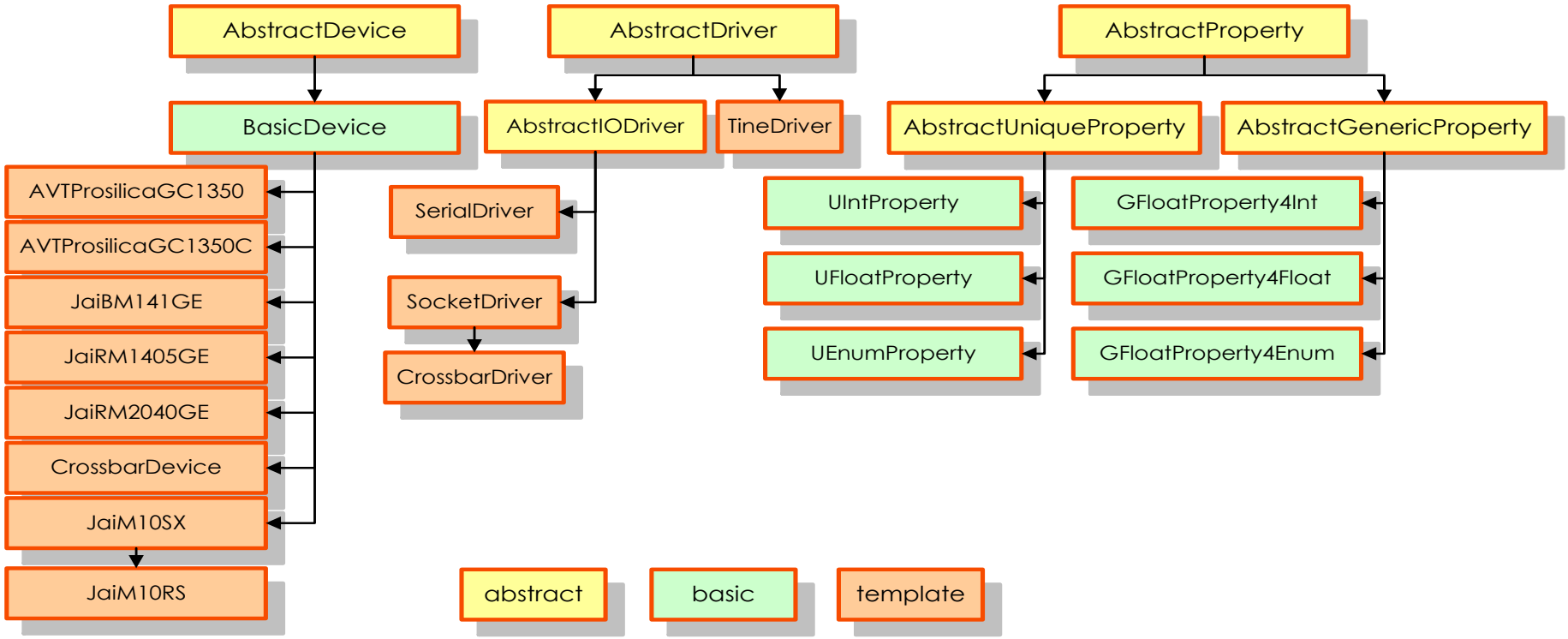
- **-Duscserver.address.filter=PITZ/SLOWCON*/*** // (default is "*")
- **-Duscserver.address.subsys=VIDEO** // (default is "ALL")

USC Server Configurator

- design goal: provide a simple, clean, consistent view of the data model elements
- verifies validity of data element values just in time of typing
- allows to use predefined templates



Data Model - Overview



thank you

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