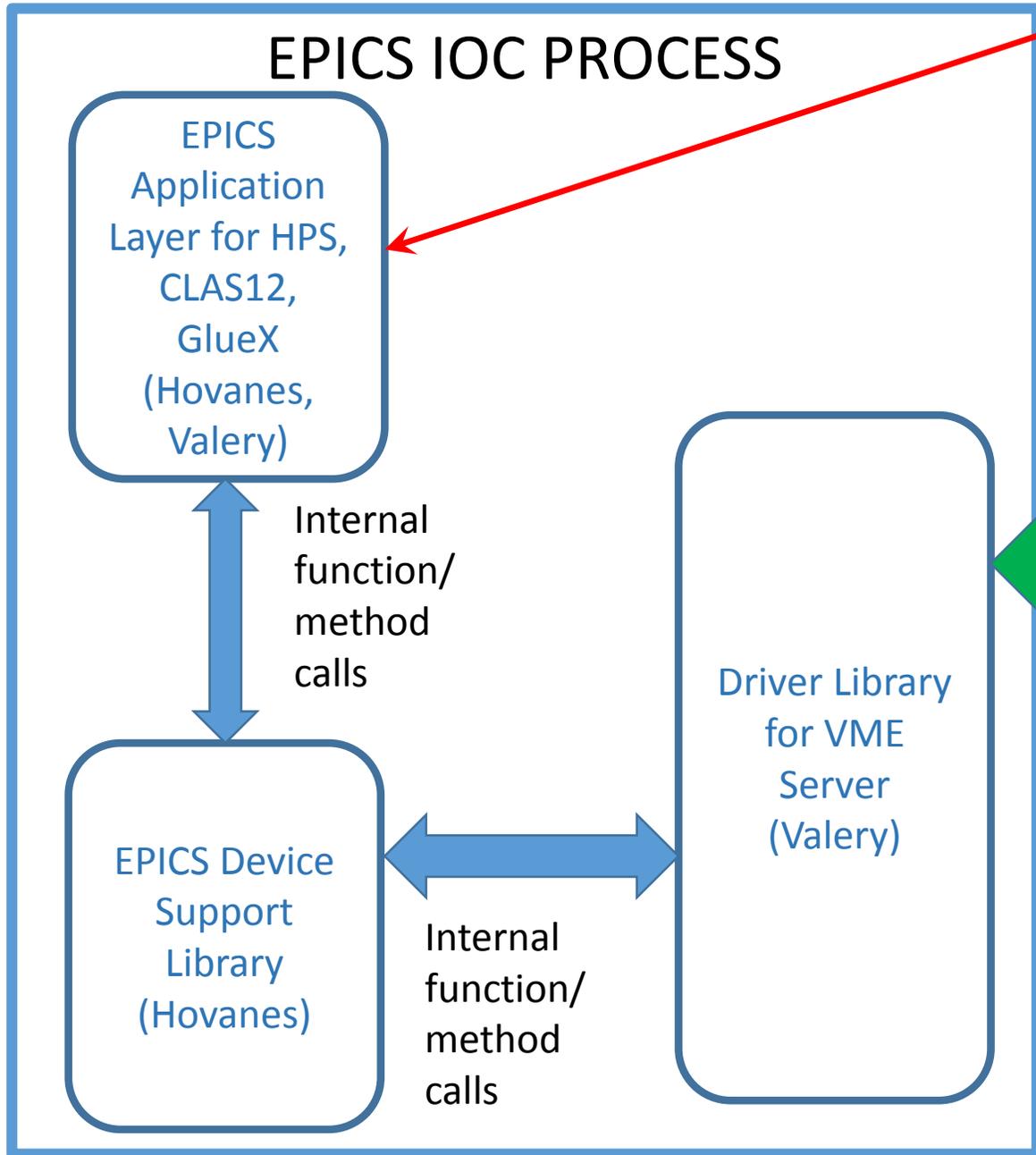


Objectives

- We want to be able to run the scaler IOC-s in three modes
 1. By just telling the IOC that there is a VME board with a given base address in some crate and load the EPICS DB ourselves (dbLoadRecords),
 2. By telling the IOC that there is a VME controller with a given IP address and then request that the records for all the boards be created,
 3. By telling the IOC that the information about the detector and VME crates and boards are in a SQLite/MySQL DB and we want it to be read, VME crate and board EPICS records created, the detector EPICS records/aliases are created.
- One thread in EPICS IOC for each VME crate
 - A C++ object for each crate to describe the content of the crate before IOC Init to configure EPICS record DB
- One thread in EPICS IOC for each VME board
 - A C++ object for each VME board to communicate with VME server and obtain scaler values, set thresholds and etc.
 - Channels are contained in each board, no object is needed to be seen by the EPICS device support, but probably is needed within the VME server driver.



Needed mostly for bullets 2 and 3, second stage of development

