

An Overview of EPICS v4 Modules

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Terminology

- “EPICS v4”
 - PVD (pvData)
 - Value container classes
 - Analogous to DBR types or GDD
 - PVA (pvAccess)
 - Network protocol
 - Clients+Servers for this protocol
 - sed -e 's/CA/PVA/'



Feature “complete”

- masarService
 - Save/Compare/Restore
 - Server saves, Client restores
 - Curated
- pvaPy
 - PVA client interface in Python
- pvaClientCPP/Java
 - PVA wrapper API w/o callbacks
- pvaSrv
 - PVA Server exposing records (PDB)
- pvDatabaseCPP/Java*
 - Helper for shared state access
 - ~= casPV/caServer
- normativeTypesCPP/Java
 - PVD wrappers for “standard” structs

*Prepend with <https://github.com/epics-base/>



In progress

- pva2pva
 - PVA gateway
 - Robust, but not feature complete
 - Currently an open proxy, no access control/filtering
- QSRV
 - Drop-in replacement for pvaSrv (reimplementation)
 - Group operations and PVA links (with Base 3.16.1)

<https://github.com/mdavidsaver/pva2pva>

