

JavalOC Introduction

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Vision

- JavalIOC
 - Soft and Embedded
 - Real Time: dead time < 1 millisecond
 - <http://www-128.ibm.com/developerworks/java/library/j-rtj1/index.html>
- Two major Features not in V3 EPICS base
 - structure, array fully supported field types
 - Every field can optionally have support

Implemented

- PV (Process Variable) Database
- XML Parsers: DBD and Record Instance
- Record Processing
- Record Scanning: Periodic and Event
- Record Monitoring
- Channel Access – Local only
- Support: Beginning of standard set
- SWTSHELL: GUI iocshell

Not Implemented

- Remote Channel Access
 - JavalOC client <-> V3 server
 - CSS <-> JavalOC server
 - ? V3 client <-> JavalOC server
 - ? JavalOC client <-> JavalOC server
- More complete set of standard support
- JavalOC version of ASYN.
- Lots to do!!

Other Desirable Components

- VDCT: Visual Database Configuration Tool
- Access security
- Error logging
- Put logging
- JavalOC clients
 - CSS
 - ? Display Manager, Archiver, Alarm Manager, ??? etc.
- Lots and lots to do!!

Demo

- The rest of this presentation is a demo using swtshell
- swtshell not my main interest
 - Complaints imply volunteering to help :-)
 - CSS <-> JavalOC