

Autosave Lab

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January 2019

Procedure

Summary

- **Build and run the IOC application**
- **Camonitor one:ramp**
 - Note that the value cycles from 0 to 10
- **Caput one:limit 5**
 - Now the value cycles from 0 to 5
- **Stop and restart the IOC application**
 - The change to one:limit is lost – autosave can fix this
- **Reconfigure with autosave and repeat**
 - The change to one:limit will be preserved across restarts

Details (1/4)

- **Open three terminal windows**
- **Window 1 - build and run the IOC application**
 - `cd /home/training/epics-train/jwsExamples/autosave`
 - `make`
 - `cd iocBoot/iocasExample1`
 - `chmod +x st.cmd`
 - `./st.cmd`
- **Window 2 – monitor one:ramp**
 - `camonitor one:ramp`
- **Window 3 – modify one:limit**
 - `caput one:limit 5`

Details (2/4)

- **Window 1 – stop and restart the IOC application**
 - **exit**
 - **./st.cmd**
- **Window 2**
 - **After camonitor reconnects, notice that modification to one:limit has been lost**

Details (3/4)

- **Window 1 – reconfigure IOC with autosave**
 - **exit**
 - **cd ../../**
 - **Edit the following files and uncomment autosave related content – search for AUTOSAVE**
 - **configure/RELEASE – 1 line**
 - **asExample1App/Db/one.db – 2 lines**
 - **asExample1App/src/Makefile – 2 lines**
 - **iocBoot/iocasExample1/st.cmd – 18 lines (some are comments within comments)**
 - **make clean uninstall**
 - **make**

Details (4/4)

- **Window 1 –start the IOC application**
 - `cd iocBoot/iocasExample1`
 - `./st.cmd`
- **Window 2 – monitor one:ramp**
 - `camonitor one:ramp`
- **Window 3 – modify one:limit**
 - `caput one:limit 5`
- **Window 1 – stop and restart as before**
- **Window 2**
 - Wait for reconnect
 - Now the modification to one:limit is preserved
- **Examine and explore content of files /tmp/ioc1***