Autosave Lab

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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
– 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*