

SAVE/RESTORE ROUTINES FOR EPICS

Leo R. Dalesio, Los Alamos National Laboratory

EPICS COLLABORATION MEETING

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SAVE Issues

- Save the set on : Frequency/Demand/Change
- Fetch all channels as ascii each time to assure they are current
- Indicate if the channel is not successfully saved/converted
- Keep the time when the save file is created
- Filename selection to allow flexibility
- Backup filenames to support failure mode

ASCII File Format

```
# save/restore V1.0 .....  
! 2 channel(s) not connected  
! 2002May07 10:53:10  
ArcVoltage 2.8  
ArcCurrent 123.7  
ArcPower on 1  
ArcVoltage.FRED Search Issued  
RF1:setting No Value
```

Restoring Saved Files

- Using Channel Access:
 - *fdbrestore(savefile_name)*
 - Works across the network
 - Must be called after IOC initialization is complete
- Using Database Access (dbStaticLib: dbPutString)
 - *reboot_restore(savefile_name)*
 - Works only on the local IOC
 - Can be called in `init_hooks` before database initialization