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Subject: EPICS Test Installation

Posted by [Brand](#) on Mon, 07 Jun 2004 11:40:30 GMT

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Hello,

I'd like to present my planned roadmap to provide an EPICS test installation at GSI.

Refer to the EPICS Homepage, <http://www.aps.anl.gov/epics/index.php> for details information about EPICS.

Download of software

Download of software to the GSI Linux Cluster and unzip.

Build for targets and create a IOC demo application

vxWorks

I have an ELTEC e7 available in a VME crate in our lab to run the IOC with vxWorks.

The combination of vxWorks on ELTEC e7 is used in the HDAES experiment. There are a lot of application running. Refer to <http://www-hades.gsi.de/scs> for details.

Linux

We could use our Linux group server to run an IOC with Linux.

Windows

We could use our Lab-PC to run an IOC with Windows.

RTEMS

We have to select a supported board to start with RTEMS. Later we would try to run it on ELTEC e7, too.

Create corresponding host applications

Graphical User interface

Motif Editor and Display Manager, MEDM

Exceed, a commercial Motif library, is needed to use MEDM also with Windows.

LabVIEW

The LabVIEW Shared Memory Interface to EPICS IOC is recommended, since the ActiveX Interface is deprecated.

Alarm Handler, ADT, ALH

Archiver, AR

Backup and Restore, BURT

IOC Database Management Tools

Oracle DB Interface

This test installation could then later be used as starting point for real experiment controls.

Regards Holger

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