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Future Directions for EPICS Base

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State of EPICS Core Maintenance

- Maintenance Tasks:
 - Communication tasks
 - Making releases
 - Bug report handling
 - Refactoring and test suites
 - Implement new features

EPICS Collaboration Mission Statement

To maintain and enhance the EPICS control system toolkit, updating and extending its capabilities for new equipment and I/O architectures so it continues to meet the needs of distributed control systems in future experimental and industrial projects. We will provide evolutionary paths between releases to ease the work of upgrading existing control systems to new versions of the toolkit.

Base R3.14.9

- Released on 5th February 2007
- Highlights:
 - Additional architectures, including vxWorks 6.x
 - Character escapes in record field strings
 - Automated test harness
 - Reworked CALC expression parser and Breakpoint tables
 - New recGblAlarmHook mechanism
 - Raw simulation mode for ai, bi, mbbi and mbbiDirect records

Base R3.14.10

- Release Timetable TBD
- Currently in CVS:
 - Moved IOC shell into libCom
 - Started using Cdefs syntax in Record.dbd files
 - Fix for vxWorks-ppc604_altivec target
 - CAS+CA bug fixes: Mantis #282 and #288
- Any other requests/offers for EPICS Base R3.14.10?

Base R3.15

- Currently in CVS:
 - Build system changes
 - C++ string library in libCom
 - Host DBD file handling in Perl
- Jeff Hill:
 - Integrating Data Access into CAS
 - Flavored data via Channel Access
- Redundancy?
 - Integration may be “Interesting”
- Other suggestions/offers for R3.15?

Approaching Asymptote?

- Maybe we have not actually passed π (pi) yet...
 - 3.14.10
 - 3.14.11
 - ...
 - 3.14.15
 - 3.14.15.9

Real Control Systems are never perfectly clean...

