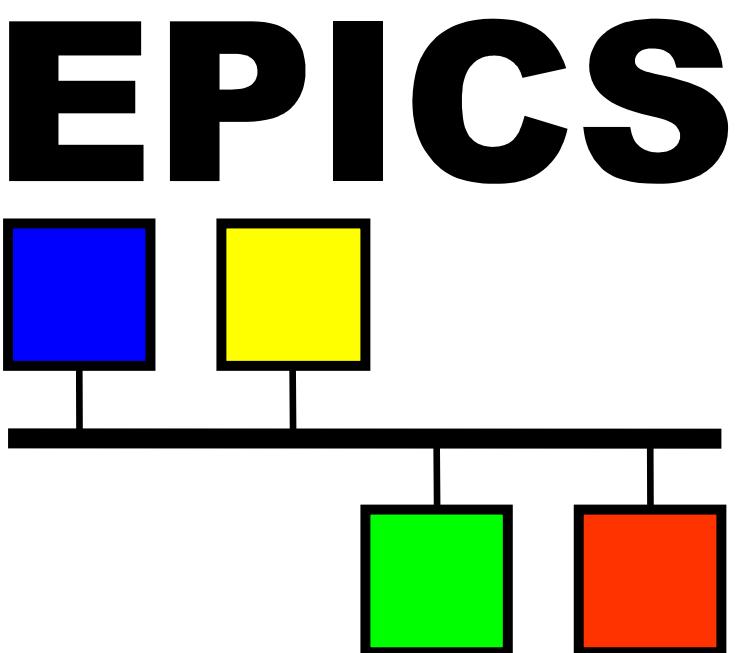


Not Dead Yet: Recent Enhancements and Future Plans for EPICS Version 3*

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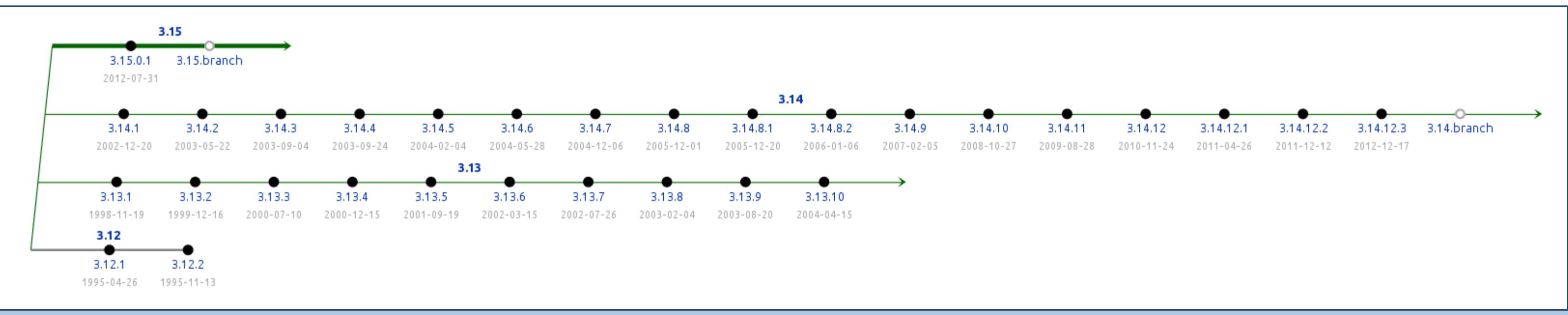


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Abstract

The EPICS Version 4 development effort [1] is not planning to replace the current Version 3 IOC Database or its use of the Channel Access network protocol in the near future. Interoperability is a key aim of the V4 development, which is building upon the older IOC implementation. EPICS V3 continues to gain new features and functionality on its Version 3.15 development branch, while the Version 3.14 stable branch has been accumulating minor tweaks, bug fixes, and support for new and updated operating systems. This paper describes the main enhancements provided by recent and upcoming releases of EPICS Version 3 for control system applications.

Development branches and past release milestones, from launchpad.net



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Use Jenkins to rebuild code and run tests after each commit

Recent and planned releases

Version	Release Date	Description
3.14.12.1	2011-04-26	Stable, bug fixes
3.14.12.2	2011-12-12	Stable, bug fixes
3.15.0.1	2012-08-01	Developer, major updates
3.14.12.3	2012-12-17	Stable, bug fixes
3.14.12.4	Unreleased	Stable, bug fixes
3.15.0.2	Unreleased	Developer, new features

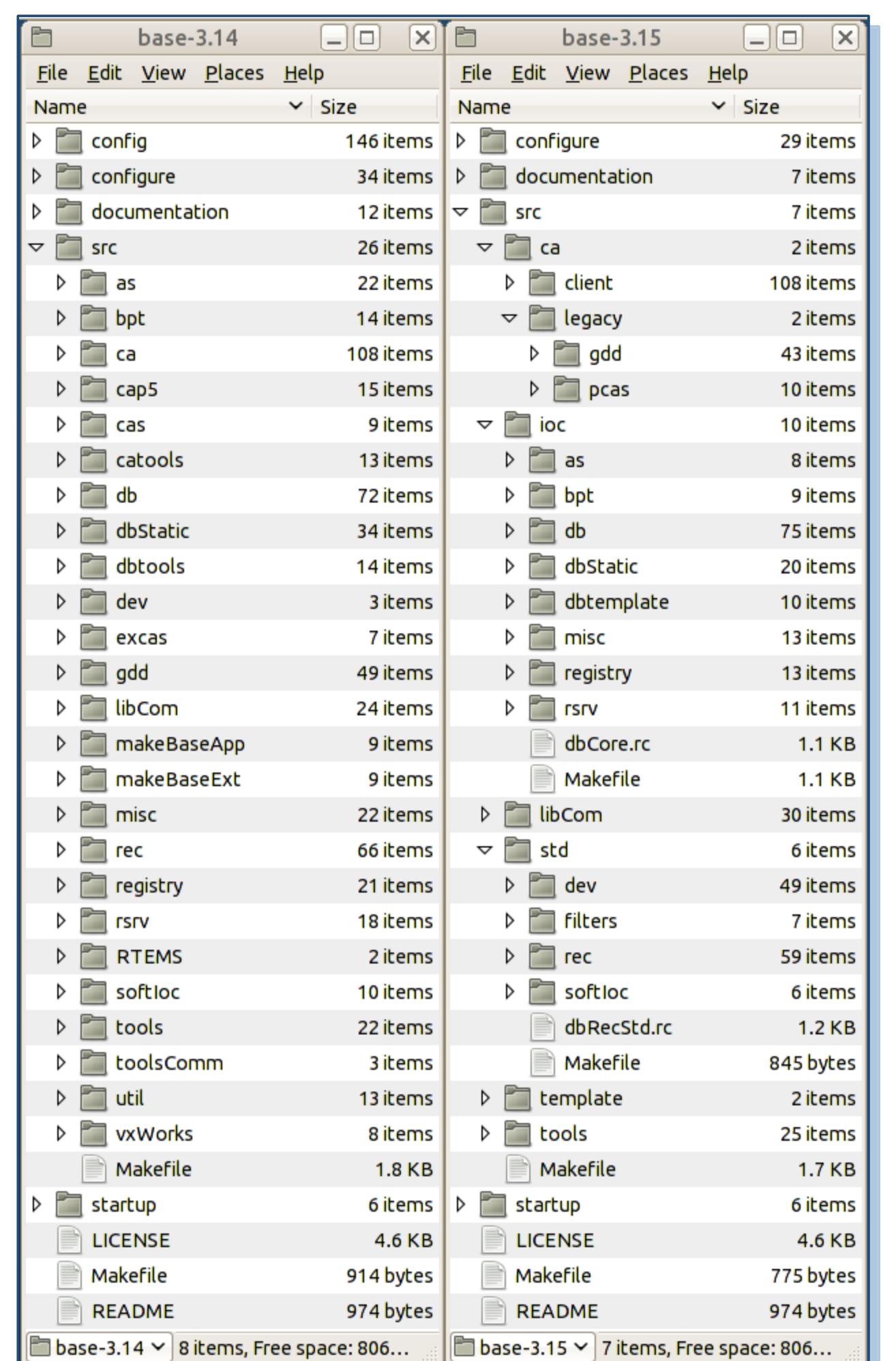
Many features were started at EPICS Codeathons



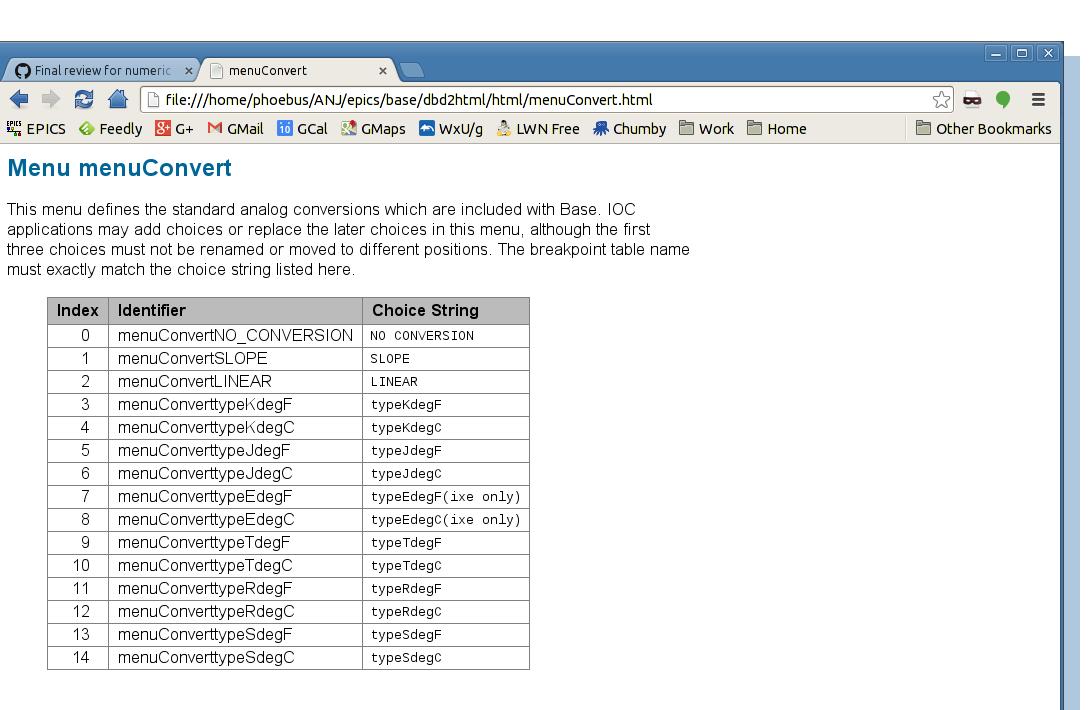
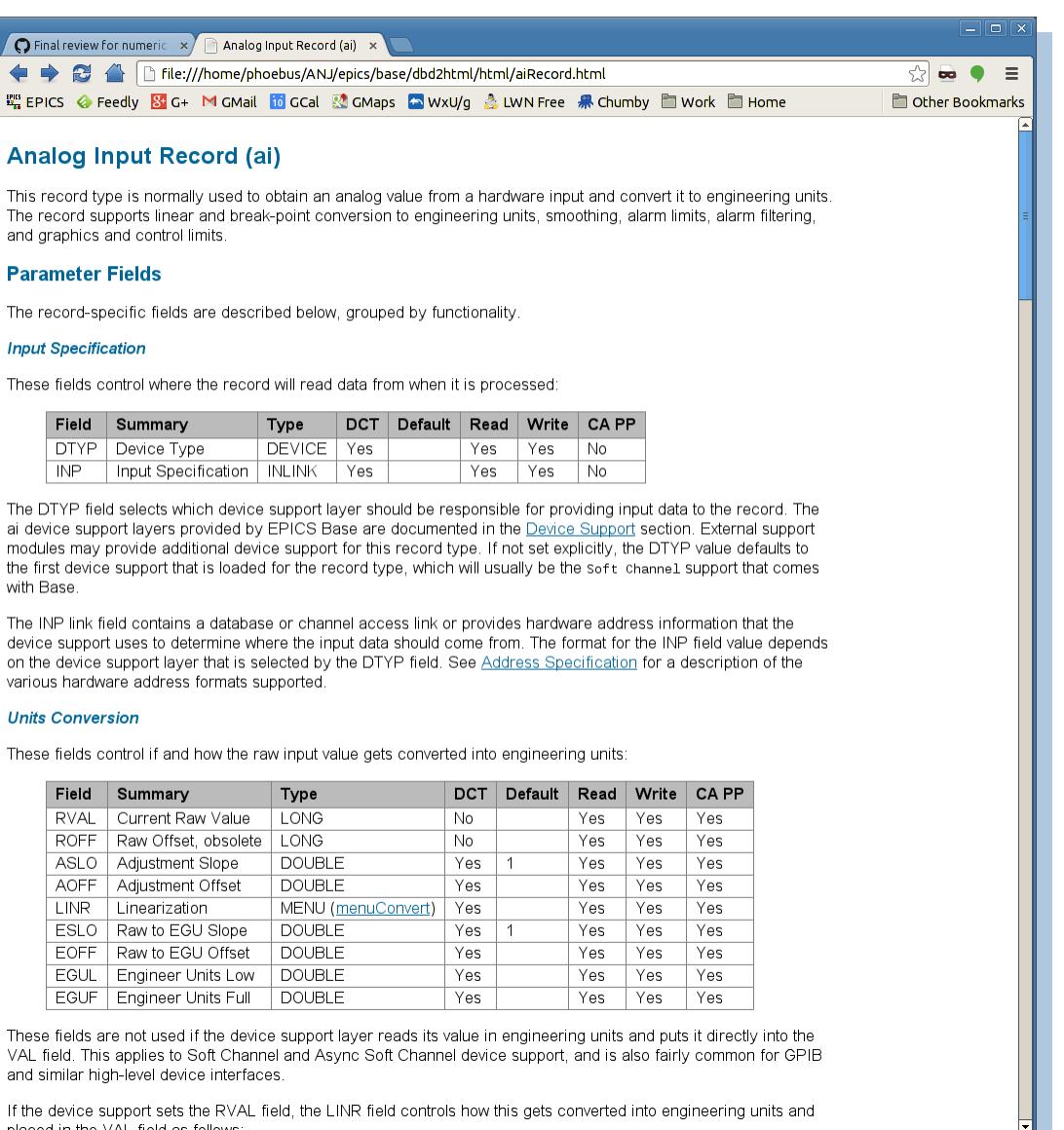
Merged branches, from launchpad.net

Name	Status	Last Modified
lp:~mdavidsaver/epics-base/minor-fixes	Merged	2010-03-24
lp:~ralph-lange/epics-base/compress-fix	Merged	2010-04-02
lp:~anj/epics-base/jsonfm	Merged	2010-04-05
lp:~mdavidsaver/epics-base/rec-init	Merged	2010-04-06
lp:~ralph-lange/epics-base/ca-over-tcp	Merged	2010-05-14
lp:~ihilm/epics-base/fiv-72289	Merged	2010-05-25
lp:~epics-base-testing/epics-base/base-tests	Merged	2010-05-27
lp:~ronaldo-mercado-deactivated-account/epics-base/capr	Merged	2010-05-27
lp:~dirk.zimoch/epics-base/non-attribute	Merged	2010-05-28
lp:~dirk.zimoch/epics-base/DTYP-parsing	Merged	2010-05-30
lp:~ralph-lange/epics-base/fx-cpp-keywords	Merged	2010-06-16
lp:~epics-core/epics-base/jsonfm	Merged	2010-06-25
lp:~michael-abbot/epics-base/dynamic-array	Merged	2010-07-05
lp:~dirk.zimoch/epics-base/fx-aai-and-aao	Merged	2010-07-07
lp:~ralph-lange/epics-base/racecond-fix	Merged	2010-08-23
lp:~mdavidsaver/epics-base/devlib-cleanups	Merged	2010-08-30
lp:~ralph-lange/epics-base/server-side-plugins	Merged	2010-10-25
lp:~dirk.zimoch/epics-base/named-soft-events	Merged	2010-10-27
lp:~anj/epics-base/process-get	Merged	2010-12-01
lp:~anj/epics-base/epicsEvent-api	Merged	2011-02-08
lp:~anj/epics-base/erorng	Merged	2011-08-23
lp:~msmhanar/epics-base/softiologging	Merged	2011-08-24
lp:~mdavidsaver/epics-base/erorngsrc	Merged	2011-08-26
lp:~epics-core/epics-base/3.15-buildCompilerSpecific	Merged	2011-08-31
lp:~epics-core/epics-base/epicsR3.15-atomics	Merged	2011-09-02
lp:~epics-core/epics-base/rebased-atomics	Merged	2011-09-07
lp:~epics-core/epics-base/parallel-fixes	Merged	2011-11-22
lp:~ihilm/epics-base/oscmm-comment-fx-3.14	Merged	2012-01-11
lp:~anj/epics-base/alarm-filter	Merged	2012-03-09
lp:~anj/epics-base/compiled-dbd	Merged	2012-04-02
lp:~anj/epics-base/remove-hpuv-artifacts	Merged	2012-04-12
lp:~ihilm/epics-base/alarm-filter	Merged	2012-04-26
lp:~epics-core/epics-base/dontcant	Merged	2012-05-24
lp:~epics-core/epics-base/ms-join	Merged	2012-06-01
lp:~epics-base/record-updates	Merged	2012-06-18
lp:~ralph-lange/epics-base/server-side-plugins	Merged	2012-07-03
lp:~epics-core/epics-base/db-tests	Merged	2012-07-09
lp:~anj/epics-base/remove-epicsShareAPI	Merged	2012-07-15
lp:~ihilm/epics-base/caput-hope-F-opt-3.15	Merged	2012-09-26
lp:~epics-core/epics-base/spinlocks	Merged	2012-11-20
lp:~anj/epics-base/udf-severity	Merged	2012-12-10
lp:~epics-core/epics-base/array-opt	Merged	2013-04-02

Source tree reorganized



Plan: Reference documents



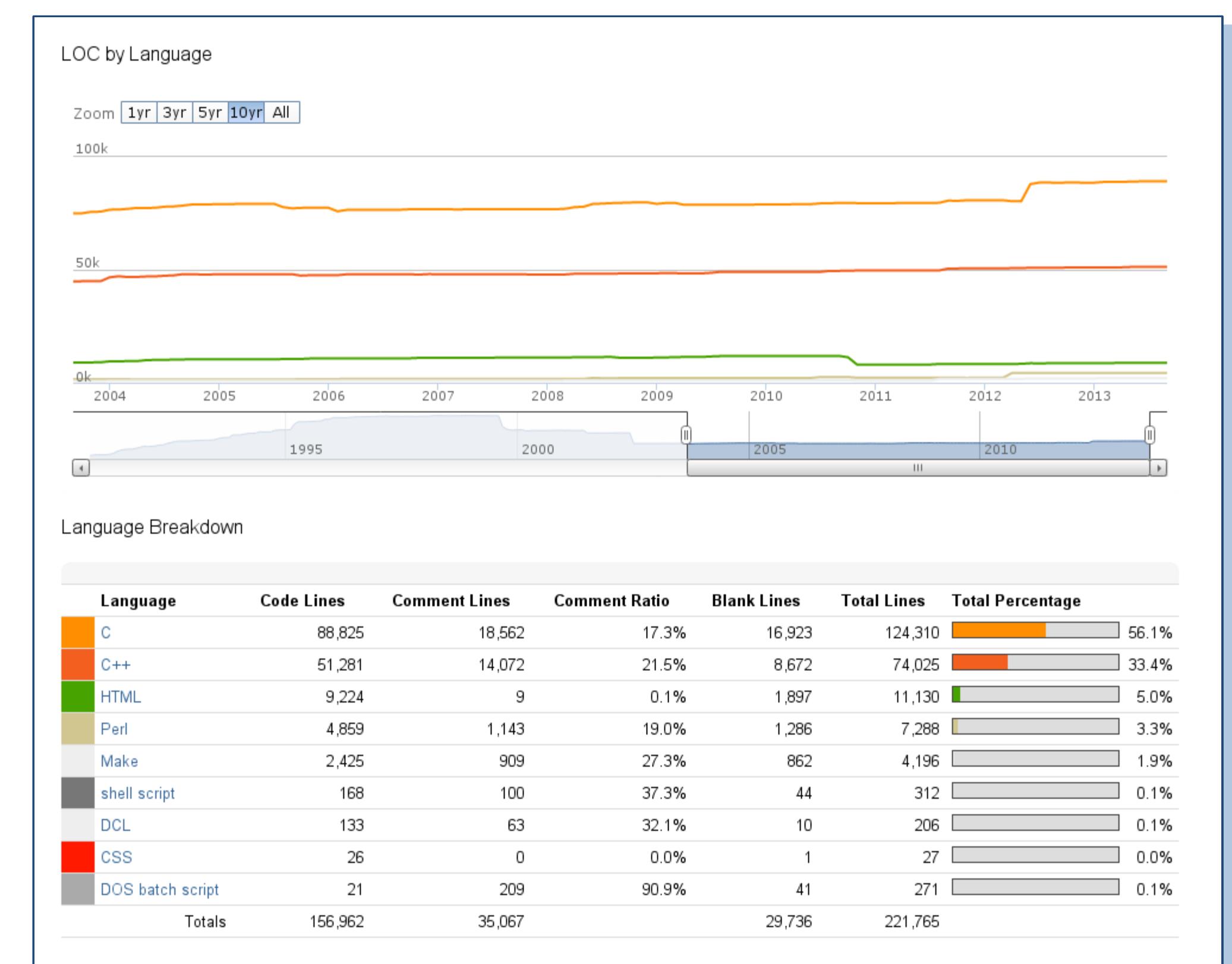
References

- [1] T. Korhonen et al., "EPICS Version 4 Progress Report", TUCOCB04, this conference

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Language statistics and history, from ohloh.net



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