Erlang Roadmap
from the Ericsson team

Erlang Factory SF Bay 2013-03-22

R16B a new major release

Released on February 27:th

› Thanks to everyone who helped us testing R16A.

› A number of optimizations for improved scalability
› Let us know if this is not the case

Coming releases

"Service releases"

R16b01 June

R16b02 Sept

R16b03 Dec

Next major release

R17a Jan 2014 (for beta-testing)

R17b Feb 2014

Windows BUG

› Found a rather serious bug on (Windows only) regarding time-handling in the VM

› Under heavy load and many schedulers) when calling `erlang:now`

› Will also have impact on timers in the system

› Suddenly the time jumps in a huge step

› Present in R15B and R16B

› Plan to build a new binary release for Windows with this corrected.

Roadmap

› **Maps** , new data type key => value associations

› **Schedulers** on an off line (energy savings)

› **Dirty schedulers**, safely execute potentially long running C-code NIFs without risk of blocking the whole VM.

› **DTLS** (SSL/TLS for UDP, SCTP

› **Asn1** optimizations continued

› **Unicode -** Change default in source R17B (finalize in R18)

› **Pattern Matching:** Binding of size variables in binaries

› **New string module**

›   handling unicode strings, io lists and binaries

› **Remove gs** TCL/TK based tools tv, toolbar, pman, appmon , (Observer)

Roadmap longer term

› native processes

› file and io servers

› JIT Erlang

› new concepts supporting parallelism (fine grained)

Erlang Community

Want to improve cooperation with the community

› Public view of patches and bugs (Issue tracking system?)

› Open Backlog

› Wish list of contributions

› Improve and describe routines around contributions

› Getting help from Erlang Industrial User Group

Experimental branches

› Branches on github for testing of interesting new features (based on stable release) only one feature per branch

  – Sharing preserving copying

  – Maps?

  – Dirty schedulers

Whish list of contributions

Documentation
"Dirty" schedulers
Native processes
Package management/repository
String library
Unicode
gen_X improvements
JIT

Tools
graphical front ends
ErlIde, the Eclipse plugin
Trace dtrace, Erlang trace
Error logger