

YXA PROJECT

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YXA AT EUC 2004

- SU telephony systems
- SIP background
- Me and Erlang
- YXA at the time
- Plans :
 - Distributed services
 - Policy control
 - Event logging
 - RFC compliance
 - Perimeter defense

PROJECT GOALS

- Robust SIP server for 10,000's of users
 - Scalable by distributing servers
 - Short time-to-market
 - Interoperability

YXA 1.0

released this week

YXA CHARACTERISTICS

- Specific version requires specific Erlang/OTP version
- Adopts new stuff
 - try/catch
 - or else in guards
 - EDoc
- Easy to extend/modify

FRAMEWORKS

- I Like frameworks :
 - Configuration subsystem
 - User database backends
 - Transports
 - Events
 - local.erl with 87 hooks
 - SIP Event server (RFC3265) framework for packages

ROBUSTNESS

- 2867 test cases
- Test integrated in release process
- Snapshots and release candidates
- Dialyzer
- Pay close attention to compiler warnings
- SIPit's

SPEED

- Who needs speed?
 - Presence
 - Four servers better than 16
 - Fast initial parsing
- Profiling
- Logging
- 70 CPS on old laptop (70 * (INVITE + BYE))

VALUE FOR OTHERS?

- Lots of documented code
 - OTP supervisors, gen_event and gen_servers
 - Binary and string parsing
 - Network code (TCP, UDP, TLS, IPv6 (!))
 - SSL stuff
 - Mnesia
- Well written code I hope
- ./configure && make && make install

PROJECT INFO

<http://www.stacken.kth.se/project/yxa/>

`svn://anonsvn.it.su.se/yxa/trunk/`

BSD license