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May 21, 2015

<https://github.com/UpstandingHackers/hammer>

The State of Hammer

Features

- All backends complete
 - Packrat, GLR, LALR, LL(k), regex
- New combinators!
 - h_endianness
 - h_aligned
 - h_put_value and h_get_value
 - h_permutation
 - h_bind (continuations!)
- Generating functions (enumerative combinatorics)

Protocol implementations

- Network protocols
 - pcap
 - Ethernet/IP ...
- DNP₃
 - If you must eat an elephant, make it a big one
 - Long-range data dependencies
- Tie knots!
 - Connecting formal grammars and algebraic topology

Tutorials

- 13-part series
- <https://github.com/sergeybratus/HammerPrimer>

Coming soon

- ALL* as default backend
- More bindings
 - Lua, Haskell, Rust
- Profiling/optimisation
- Testing framework for protocol grammars
- Attack surface quantification/exploration
 - “More ties than we thought,”
Hirsch/Patterson/Sandberg/Vejdemo-Johansson,
PeerJ CS, May 2015