



# Next generation of TAHI testing platform

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# Background

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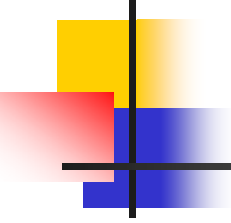
- IPv6 has been stable now, right?
- Testing for Core Protocols are already just for commercial use?
  - You already can get 100% PASS for Core Protocols, right?

Don't you think so?



TAHI goes to next stage...

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# Problems in legacy test platform (v6eval)

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- “v6eval” is packet oriented test tool
  - It is very useful for lower-layer testing, but ...
  - “v6eval” have to emulate all of packets.
    - Lower layer address resolution
    - Fragment
    - TCP session
    - ..., etc.
- “v6eval” is test tool depend on FreeBSD
  - “v6eval” uses BPF to send/receive packets.
    - To control ether frame



“koi” was born.

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# What is koi?





# What can koi do? 1/3

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- Target is application layer protocols .
- Communication oriented test tool
- Using internet domain socket
  - We can forget fragment handling.
  - We can forget lower layer address resolution.
  - We can forget TCP flow control.



## What can “koi” do? 2/3

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- It Can be used with common application
- Easy to program
  - It can be used just as perl script.
- Easy to run
  - Easy to port to every OS

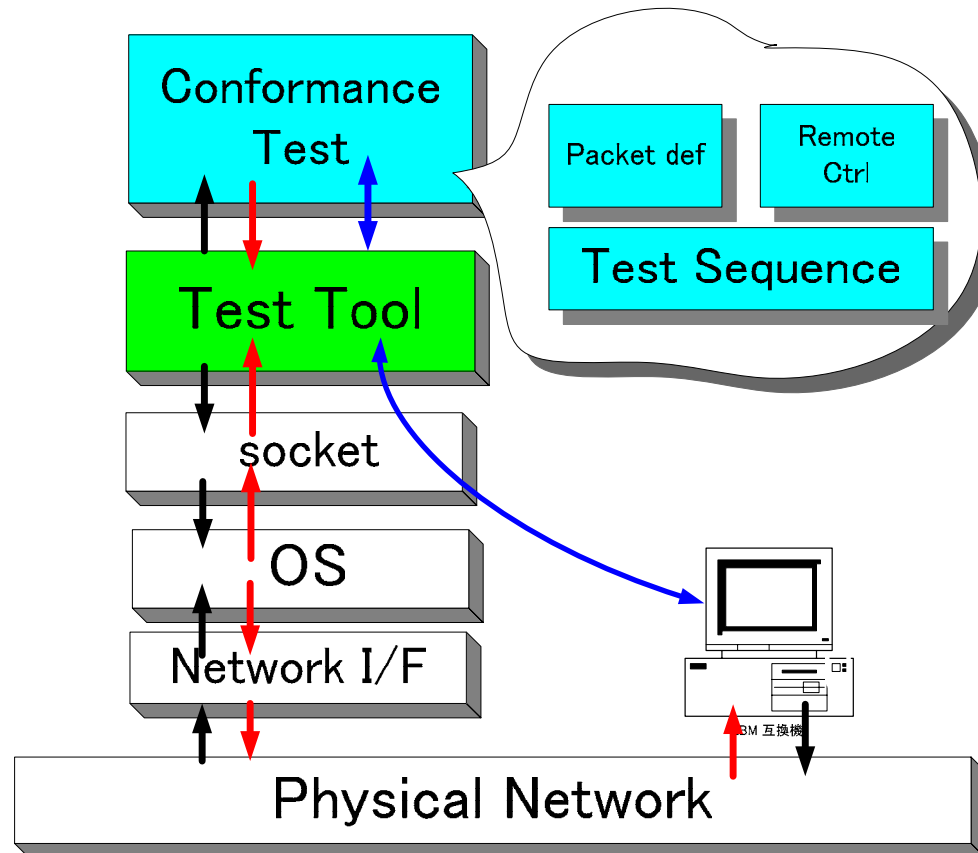


# What can “koi” do? 3/3

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- Easy to check test log
  - HTML
  - real-time output
- Automatic test
  - Control target device by telnet/ssh/serial line

# Architecture of "koi"





# DNS tester

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- DNS test technology is our 1<sup>st</sup> challenge.
- Designed for using “koi”.
- Introduction of DNS test itself will be talked at afternoon session.



# Where can you get “koi” from?

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- Currently “koi” is sub-set of DNS tester.
  - you can get it from <http://www.tahi.org/dns/>
- It will be <http://www.tahi.org/release/> soon.



EOF

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Thanks!!!!