

TARZAN

-A FMIPv6 implementation for BSD-

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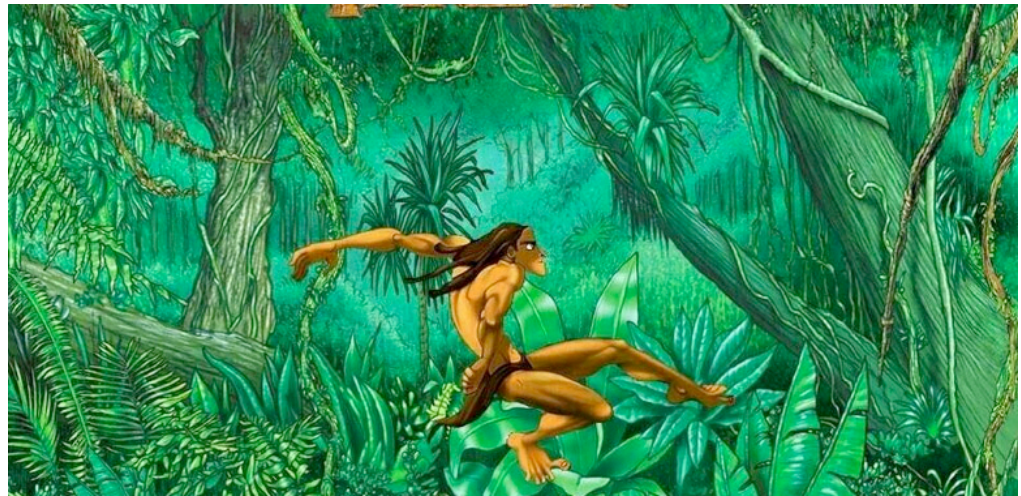
by Nautilus Project

<http://www.nautilus6.org/>

What's TARZAN

- A **FMIPv6 Implementation** for *BSD
- Based on SHISA
 - Mobile IPv6/NEMO implementation in KAME
 - <http://www.kame.net/>, <http://www.mobileip.jp/>

Just like Tarzan, our mobile node can move from an access router to the next one smoothly.



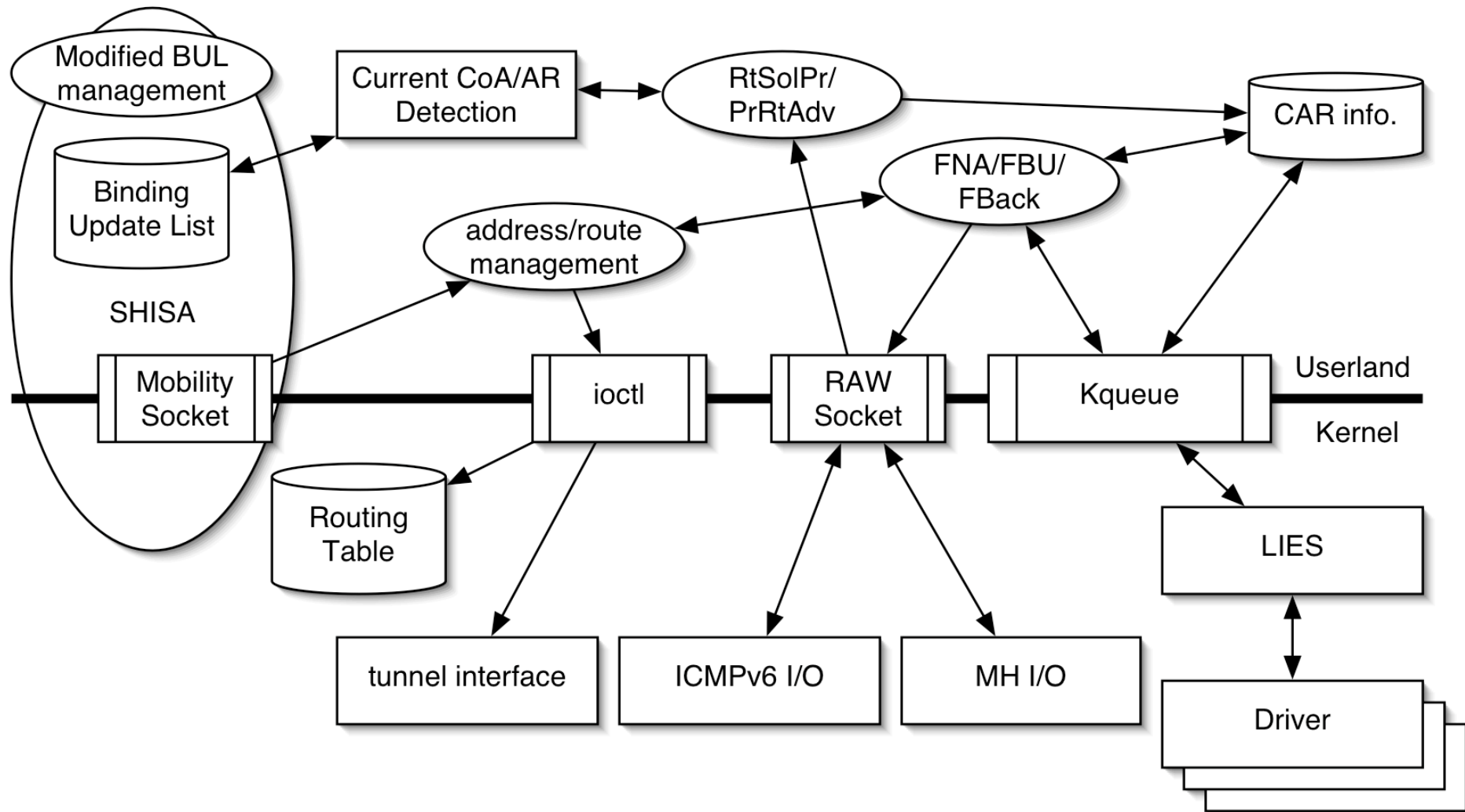
Features

- draft-ietf-mipshop-fast-mipv6-03.txt
- Support both MR and AR
- Support both Predictive and Reactive mode
- L2 trigger by LIES
 - LIES: Inter Layer Control Information Exchange
- Manual CAR installation
 - car_info.conf

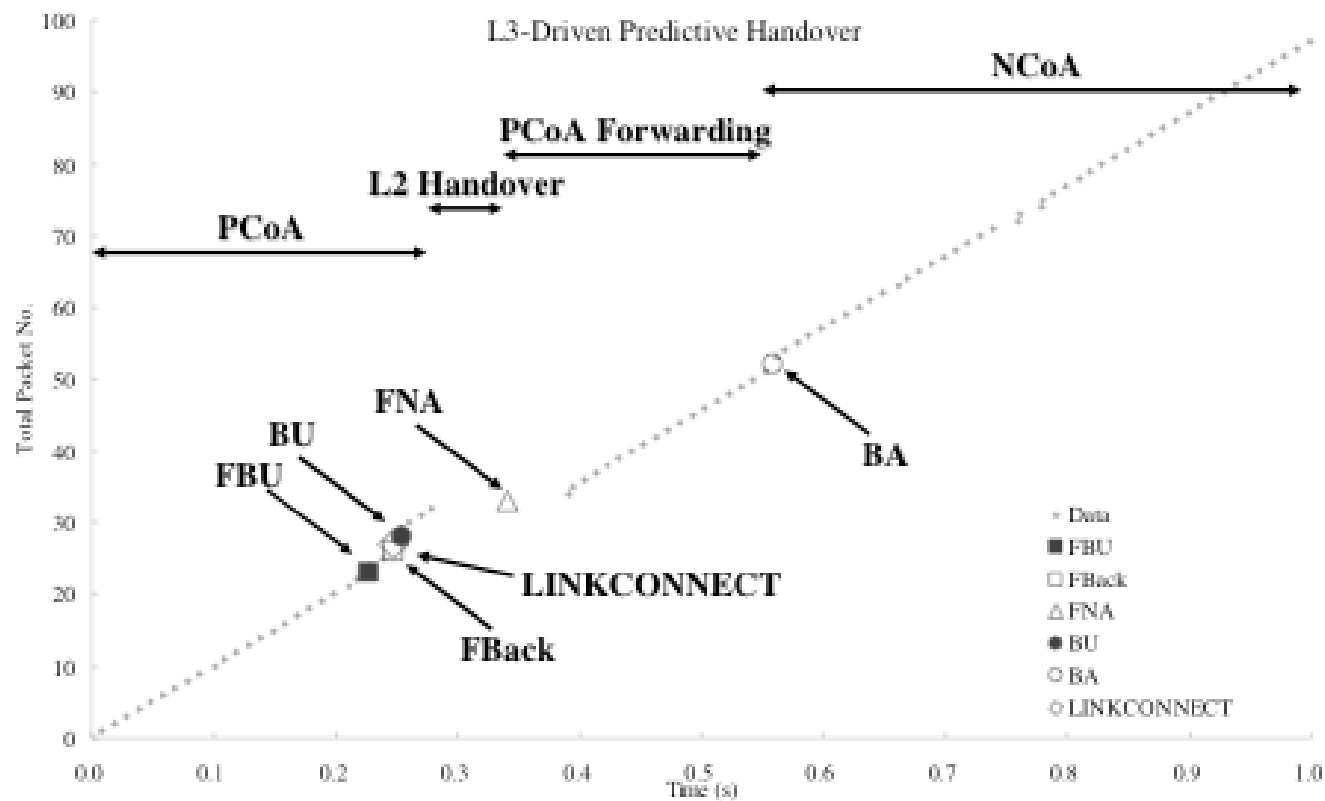
Current Status

- No buffering feature yet..
- L2 Trigger
 - support Intel GbE(wm) and 100BaseTx(fxp) driver
- Feed-backing implementation experiences to IETF

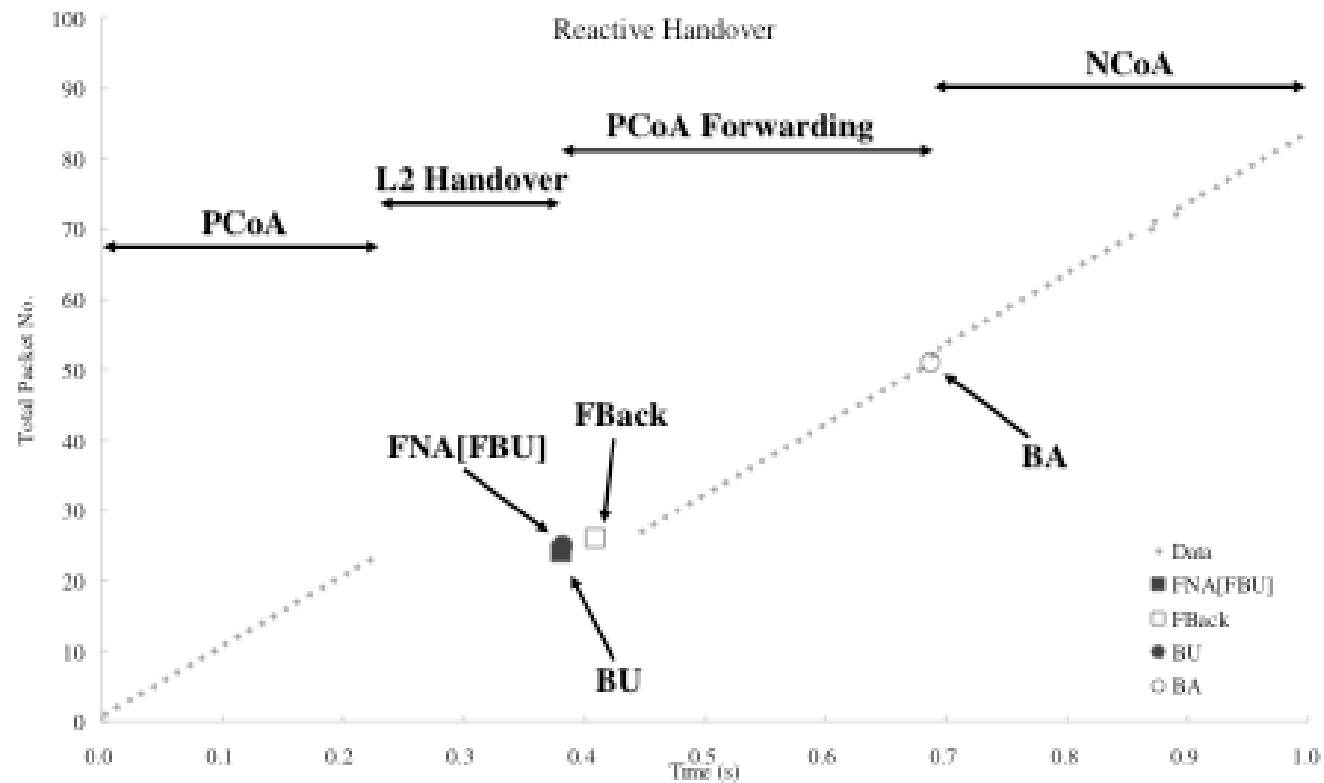
Design Overview of MN



L3-Driven Predictive Handover



Reactive Handover



Known Issues

- The L2 up detection is slow
 - because of media type auto negotiation
- Potential packet loss at HA
 - The HA switch to NCoA when it receive BU with NCoA, but MN still use PCoA before the BA received. the packets using PCoA are ignored here.

TODO

- April 2005: Wireless LAN driver support
- April 2005: Code release
 - Software packages
 - Manual
- 2005: Interoperability testing