

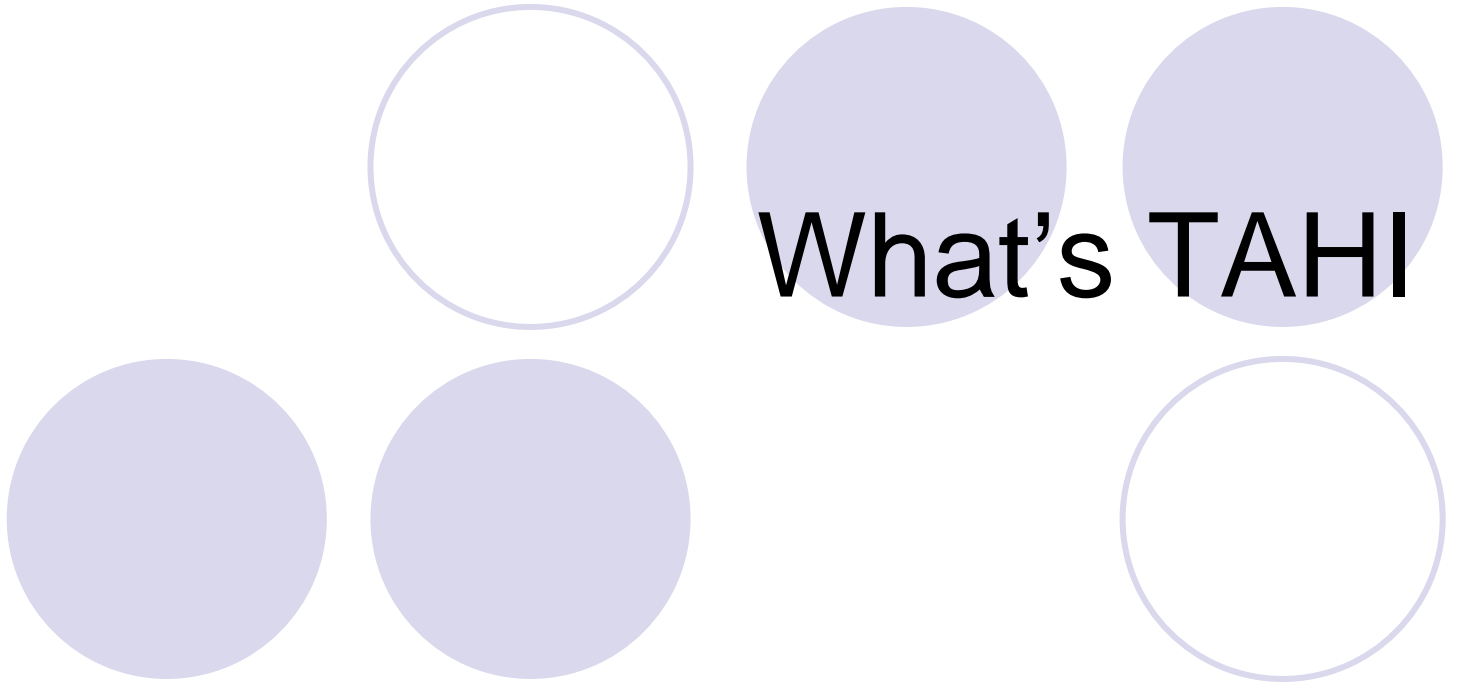
Report on TAHI DHCPv6 conformance testing tool

64th IETF @ Vancouver

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TAHI Project

TOC

- What's TAHI
- Event Report
- Tester Status
- Discussion



What's TAHI

TAHI Project

- TAHI Project is developing and providing test suites for IPv6.
 - <http://www.tahi.org/>
 - You can get and use them freely!!
- Activity
 - Developing conformance test tool
 - e.g. IPv6 core protocol, IPsec, MIPv6, etc...
 - Holding interoperability test event
 - Every year
 - Usually at Japan





Event Report

Test report on 6th ETSI Plugtests / 7th TAHI

(17th – 21th October, 2005, Sophia Antipolis, France) (1/2)

● Conformance Test

○ Tester status

- Supported only DUID-LLT as DUID

○ One Client was tested.

○ Found one issue

Test report on 6th ETSI Plugtests / 7th TAHI

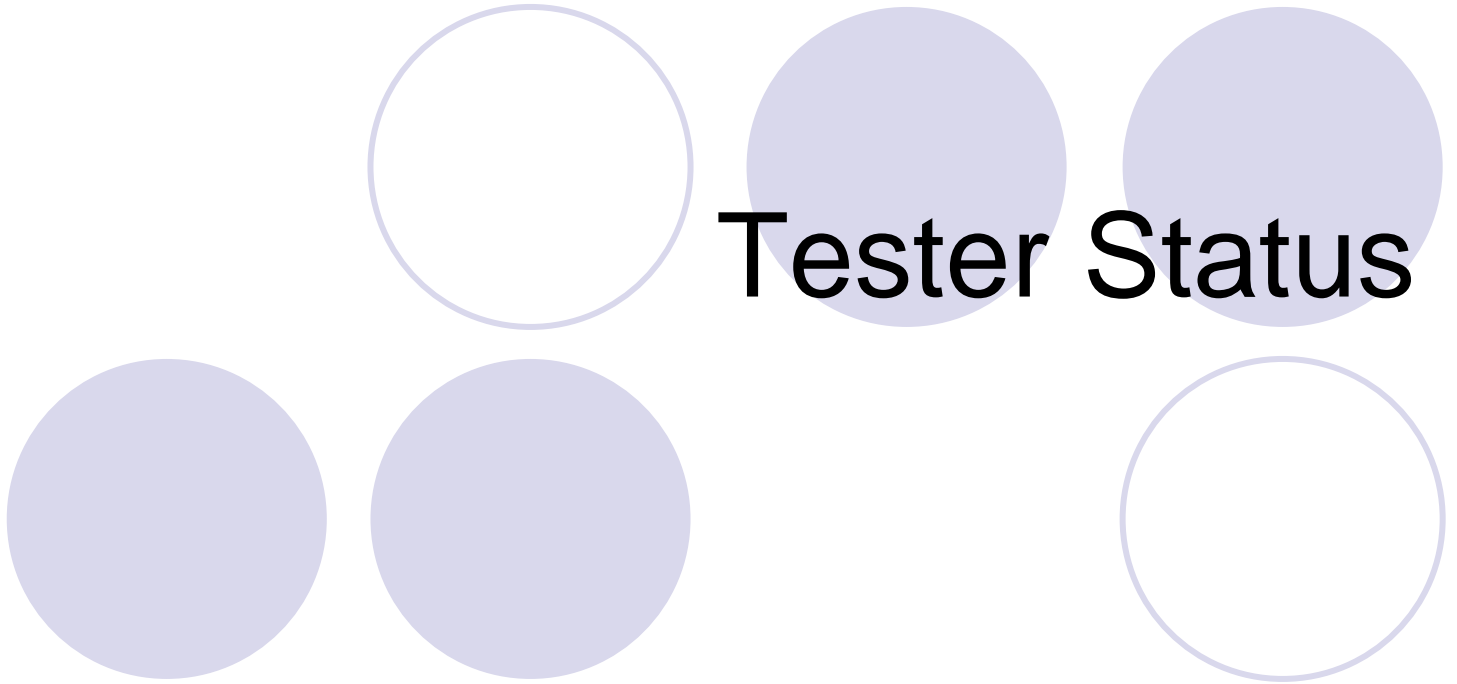
(17th – 21th October, 2005, Sophia Antipolis, France) (2/2)

● Issue

○ DUID-LL/DUID-LLT (hardware type =1)

- Client used over 48bits length as link-layer address field.
- Already solved
 - Should be 48bits as link-layer address

Thanks Ted Lemon & Bernie Volz !!



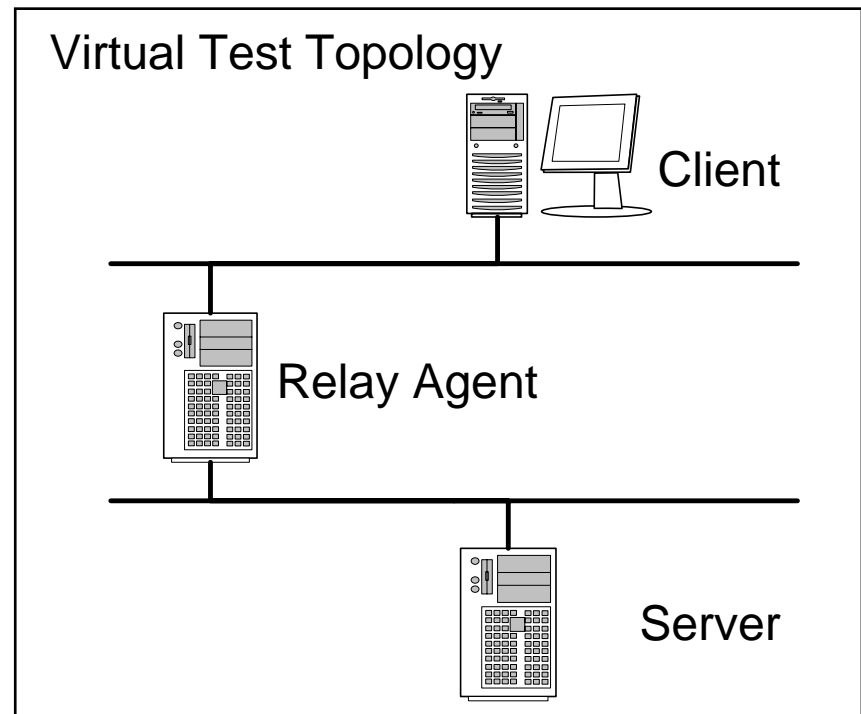
Tester Status

New release of TAHI DHCPv6 Test Tool

- TAHI Project released DHCPv6 Test Tool version 0.1.1 (Nov, 2nd, 2005) !!
 - without functions related to “Authentication”.

● Test Target

- Server
- Relay Agent
- Client

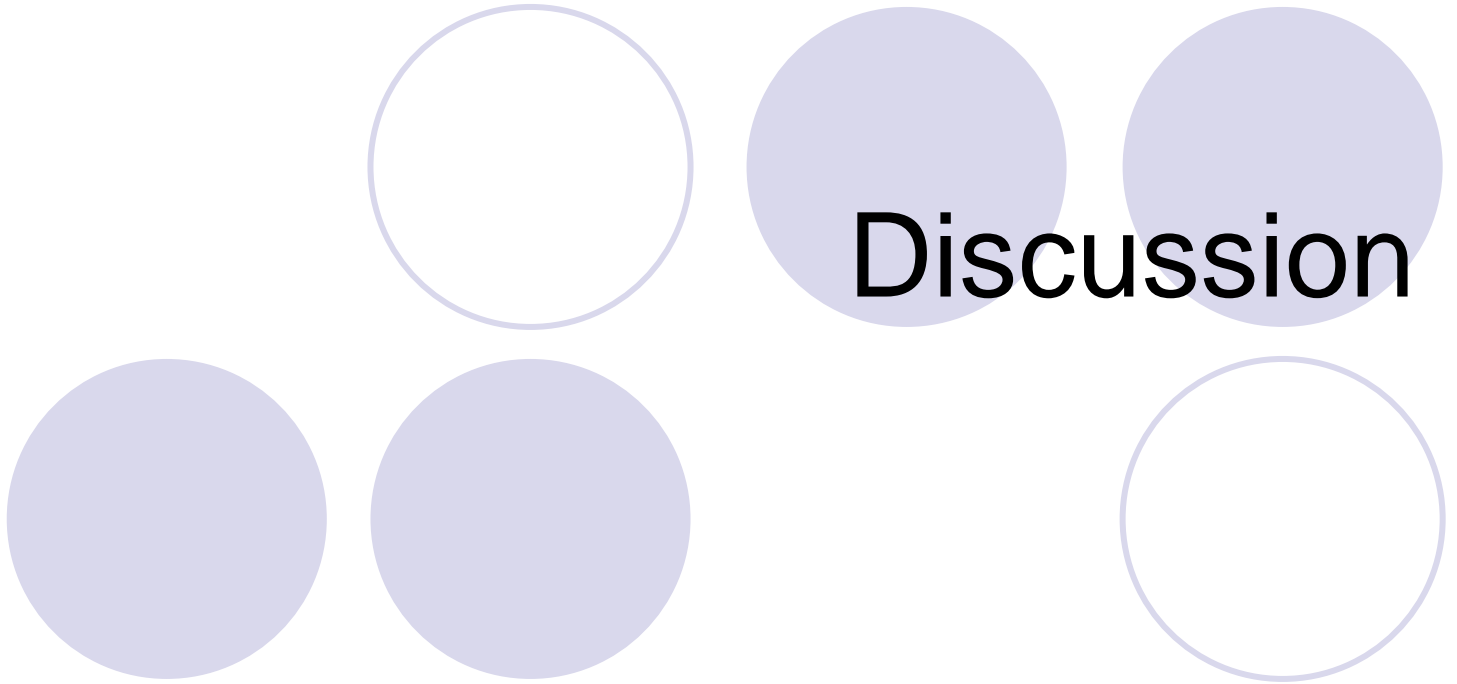


Test Coverage



RFC3315	Dynamic Host Configuration Protocol for IPv6 (DHCPv6)
RFC3633	IPv6 Prefix Options for Dynamic Host Configuration Protocol (DHCP) version 6
RFC3646	DNS Configuration options for Dynamic Host Configuration Protocol for IPv6 (DHCPv6)
RFC3736	Stateless Dynamic Host Configuration Protocol (DHCP) Service for IPv6

*without functions related to “Authentication”.



Let's use and discuss!!

- Test specification
 - Available on <http://www.tahi.org/dhcpv6/spec/>
- Test tool
 - Available on <http://www.tahi.org/dhcpv6/>
 - You can download Test Tool freely!!
- Mailing list for discussion
 - Discussion : dhcptest@tahi.org
 - Subscribe to : dhcp-ctl@tahi.org
 - Your comments to improve test tool and specification are welcome !!
 - Your feedback is welcome.



Big chance!!!

- 8th TAHI Test event is scheduled.

- Date : 23rd – 27th January, 2006

- Place : Makuhari, Chiba, Japan

- URL : <http://www.tahi.org/>

- Please join our event and let's discuss deeply!

- It is very useful to improve your implementation, our test tool and both knowledge !!



Check this!!

All of information is available on

<http://www.tahi.org/dhcpv6/>

See you next TAHI event !!

END

