

TAHI DNS Test Tool

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TAHI Project



TAHI Project

- TAHI Project is developing and providing test suites for IPv6.
 - <http://www.tahi.org/>
 - You can get them freely.
 - Started at Oct., 1st, 1998
 - Activity
 - Mainly we have developed the IPv6 test focused on the layer 3.
 - e.g. IPv6 core protocol, IPsec, MIPv6, etc.
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DNS Test Tool

- Now, TAHI project starts to develop the application layer protocol test!!
 - Test Target
 - Server/Client
 - Test tool support
 - Basic function/Extension
 - TCP/UDP
 - IPv6/IPv4
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Test Coverage

- As first step, we are going to support the following RFCs.
 - Basic function

RFC1034	DOMAIN NAMES – CONCEPTS AND FACILITIES
RFC1035	DOMAIN NAMES – IMPLEMENTATION AND SPECIFICATION
RFC1123	Requirements for Internet Hosts -- Application and Support
RFC1995	Incremental Zone Transfer in DNS
RFC1996	A Mechanism for Prompt Notification of Zone Changes (DNS NOTIFY)
RFC2131	Clarifications to the DNS Specification
RFC2308	Negative Caching of DNS Queries (DNS NCACHE)
RFC3425	Obsoleting IQUERY

Test Coverage

■ Extension

RFC2671	Extension Mechanisms for DNS (EDNS0)
RFC2782	A DNS RR for specifying the location of services (DNS SRV)
RFC3596	DNS Extensions to Support IP Version 6
RFC3401 – 3405	Dynamic Delegation Discovery System (DDDS)
RFC4033 – 4035	DNS Security Introduction and Requirements ★ Hopefully

Development schedule

□ Oct., 2005

- Beta version will be available.

- The 6th ETSI Plugtests associated with the 7th TAHI test event.

- <http://www.etsi.org/plugtests/IPv6.htm>

□ Apr., 2006

- Version 1.0 will be released.

Let's discuss!!

- We will open test specifications and test tool to the public.
 - <http://www.tahi.org/dns/>
 - You can download it freely!!

 - Your comments to improve test tool are welcomed!!

 - Mailing list for discussion
 - Subscribe to: dnstest@tahi.org
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End

