



TTM Status

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Agenda

- What is TTM
- What did we do
 - Work that was finished
 - Ongoing work
- Questions

What is TTM?

- Service to measure performance related parameters on the v4/v6 Internet
 - One-way
 - Delay, Loss, Routing, Jitter, DNS, Bandwidth...
 - Understand network, troubleshooting, verify SLA's
- Additional service from the RIPE NCC
 - Buy a “test-box”, all you have to do after that, is look at the results
- More info: <http://www.ripe.net/ttm>
 - René Wilhelm and Henk Uijterwaal are available for questions
 - Glossies and information sheets



Internal restructuring

- Move of operational aspects of the TTM service to the operational departments
 - Keep service levels the same
- Started Mid 2004
- Finished February 2005
- Current situation:
 - OPS: Installation, FLS, operations
 - SED: Software maintenance and development
 - NP: New features and enhancements
- Done

DNSMON

- Beta became production version 1
 - Finalized software and service (May 2)
- Request from membership: Make this a self-supporting service
 - Published service contract: RIPE 342
 - 10 sites signed up, 4 under discussion
 - Active promotion for other TLD to start after RIPE50
- Done?
- We already have a list of requests for v2...
 - To be evaluated after RIPE50



Taildaemon

- A tool to get access to the raw data as it is being collected
 - Equivalent of “tail –f file” on your Unix box
 - Feature since 1998
 - Intensive usage by the AMS-IX since about half a year
 - Tool could miss data
 - Fixed
- Policy: this should be the tool to access data on the TB
 - Deprecate scp and other quick hacks

Timekeeping

- Timekeeping mechanism in TTM was designed in 1997-1999
- Lots of developments since then
- Study possible improvements
- Report by Thomas
- Implement recommendations over the summer

CDMA clocks

- Alternative to GPS in the US
- Work fine when they work...
- ... but very troublesome to debug or understand problems

- Looking for a volunteer to work with us and debug these modules

OWAMP

- One Way Active Measurement Protocol
 - RFC finished but not yet published
- Started to plan implementation
- We will implement the data format
- Sessions: 2 options
 - Allow sessions, but keep existing setup mechanism
 - Everything OWAMP
- In progress



Other work

- Bandwidth
- VoIP
- IPv4/6 comparison and Percacci numbers
- Deployment of more boxes, promotion

- ... follow-up on Neill's talk.

Questions, Discussion

