Test Traffic Measurement Futures Update

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The Story So Far...

- RIPE 52 - Istanbul
  - Presentation and discussion
- RIPE 53 - Amsterdam
  - Task force formed

2006

- RIPE 54 - Tallinn
  - Draft proposal
- RIPE 55 - Amsterdam
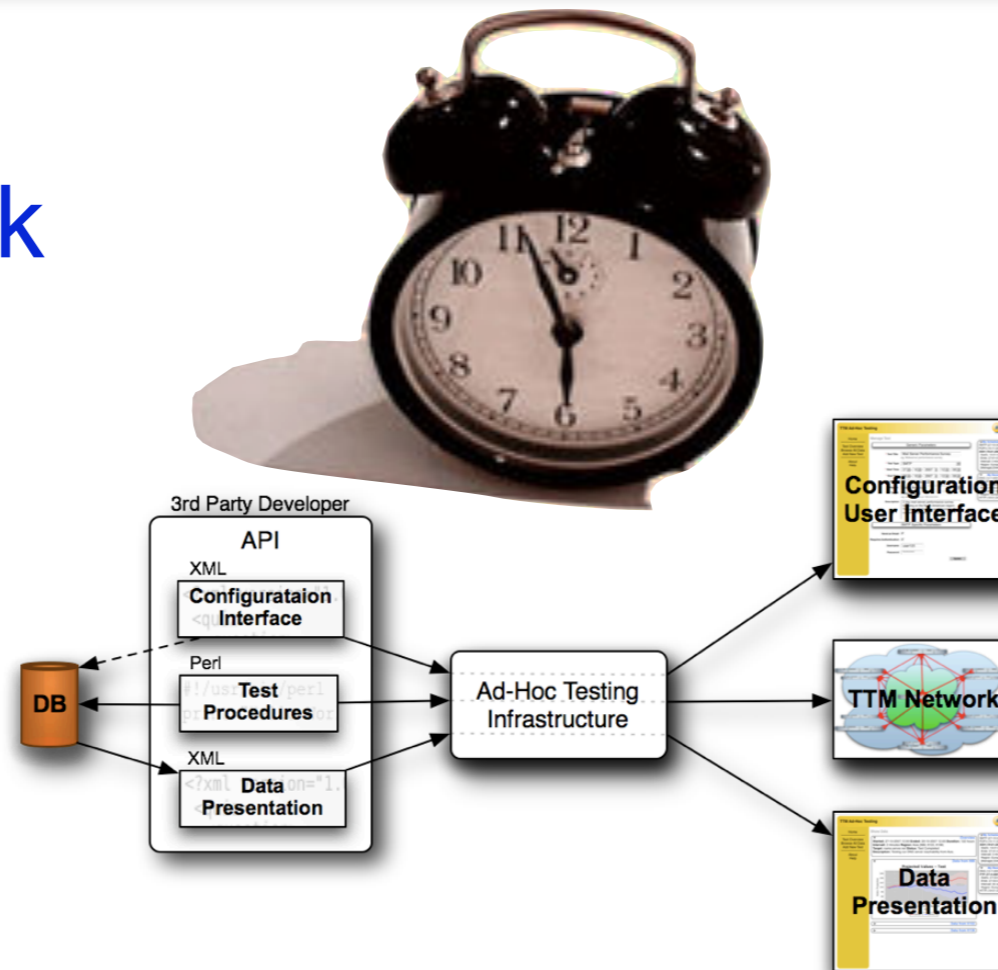 - Displayed prototypes
  - Got consensus

2007

- RIPE 56 .....

Current Status

- Alarms framework

- Ad-Hoc testing

- Pricing

- Sponsored nodes

Pricing

- Annual fee of EUR 1800
  - Three year commitment
  - Extend for 2 years (EUR 1000 annual service fee)

- One-time payment EUR 5000 for three years
  - Extend for 2 years (EUR 1000 annual service fee)

- Available for new subscribers now
  - Migrate existing users

Sponsored Nodes

- Criteria document published

  - http://www.ripe.net/docs/ripe-430.html

- Formal agreements with

  - LINX

  - APNIC

  - ... more under discussion

Test Traffic Measurement

Distributed Measurement System

Test Traffic Measurement

Test Traffic Measurement

Group E Testbox

Power button

10/100/1000 Ethernet (top port)

To GPS Antenna

Power cord

Short serial-to-serial cable
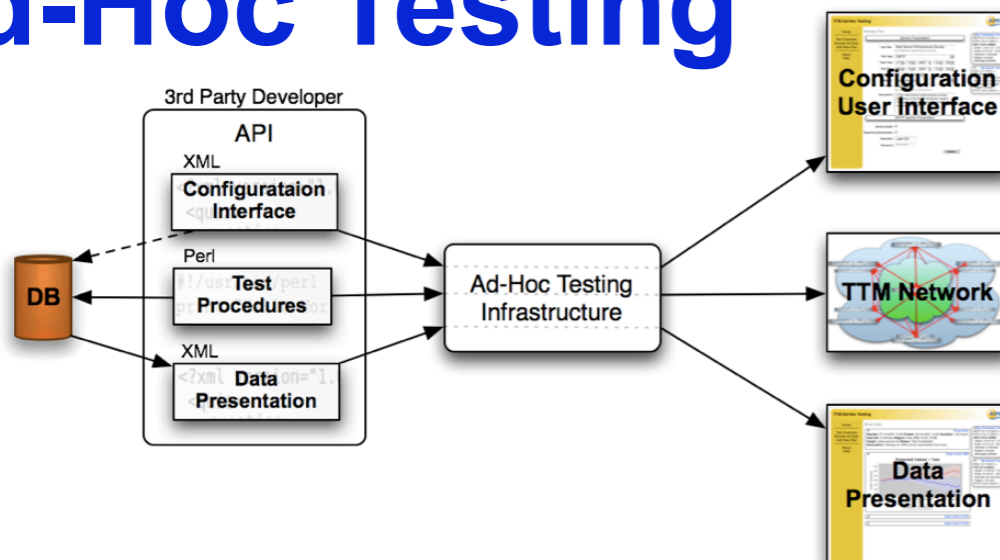
10µs accuracy

1000µs ~= camera flash
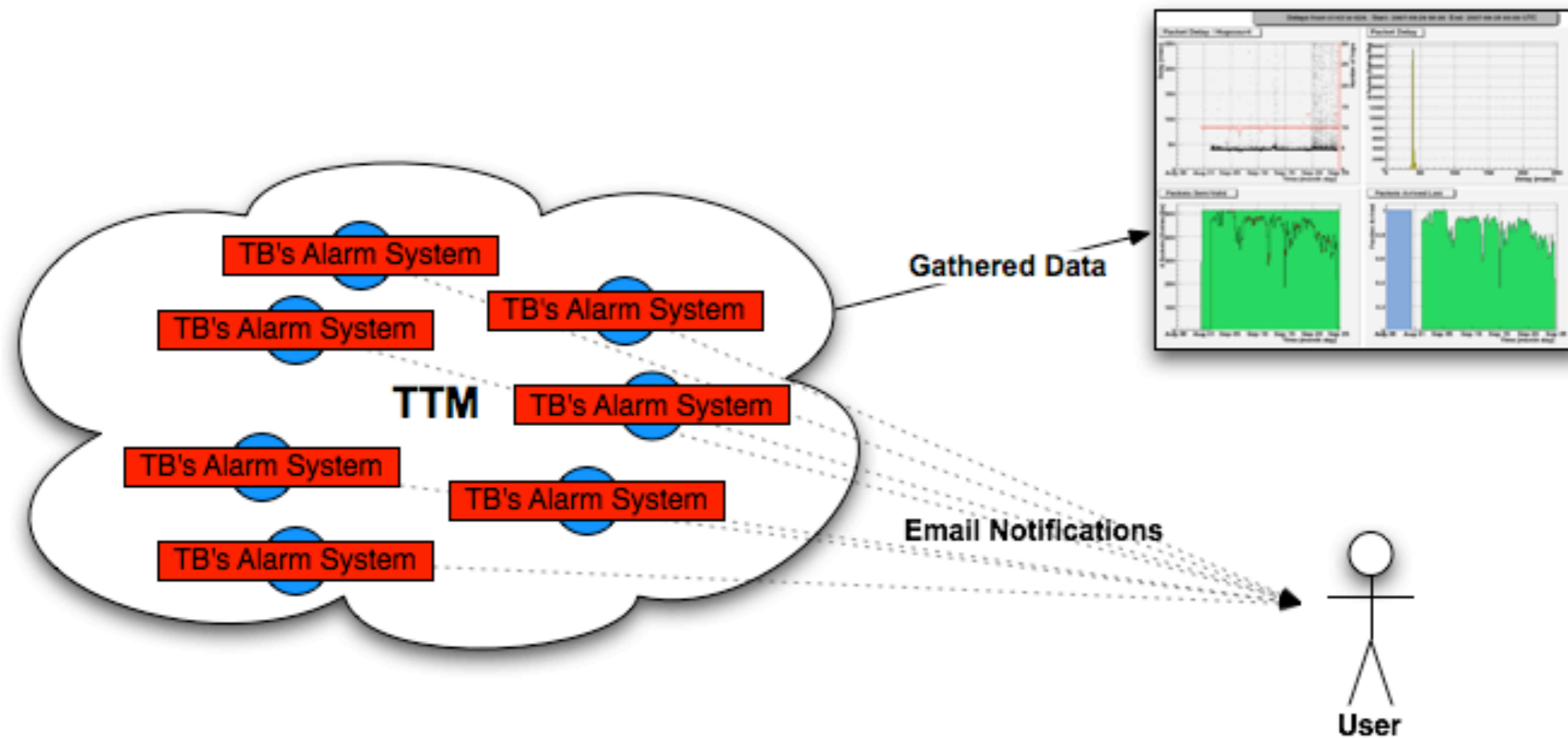
TTM Futures

Alarms Framework

Two Big Things
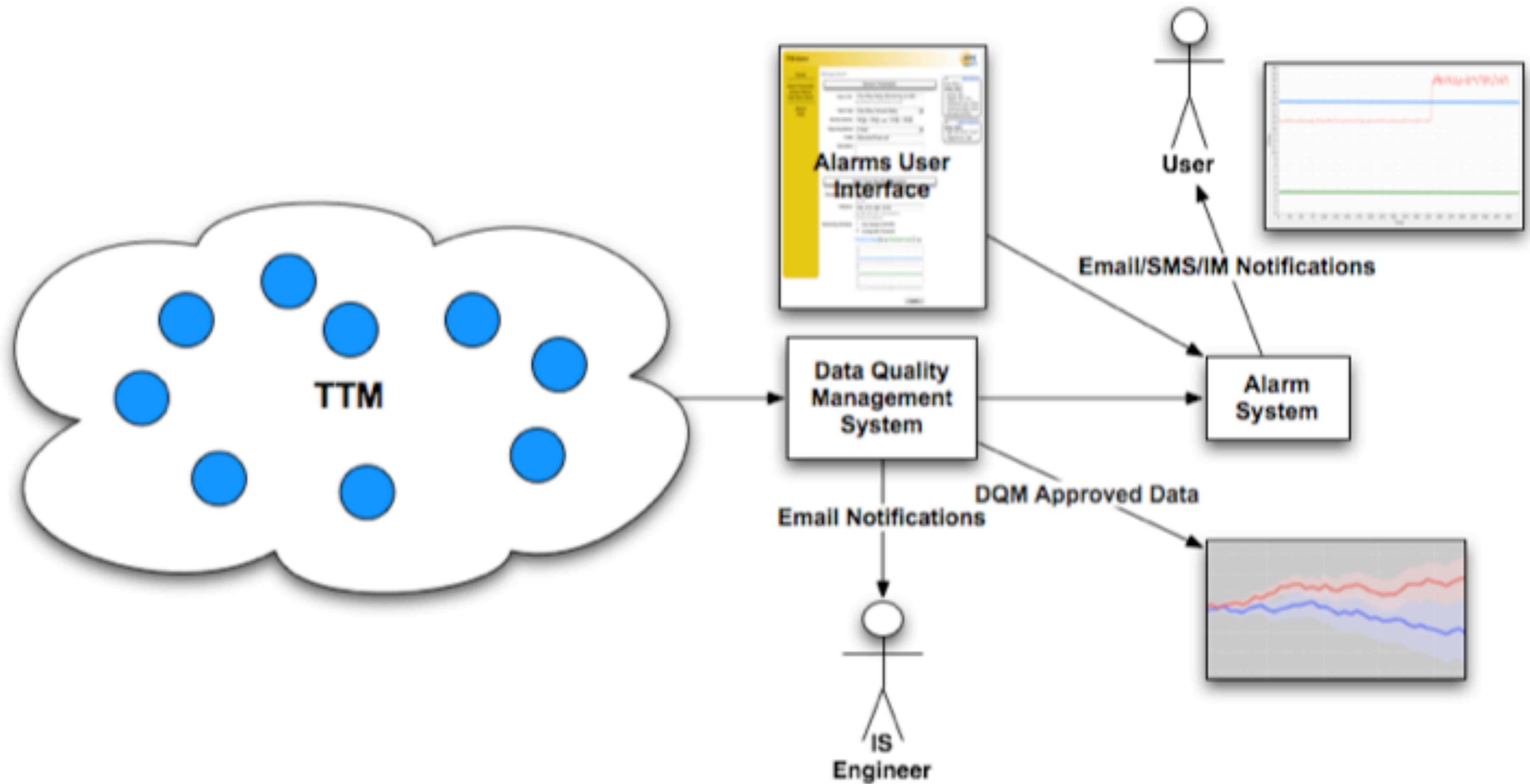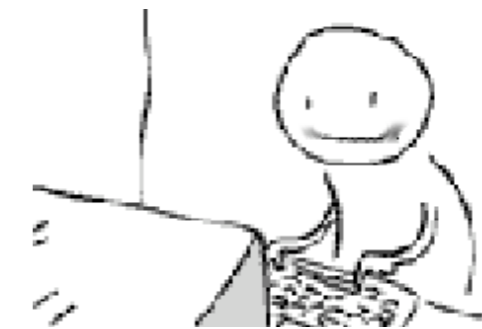
Ad-Hoc Testing

Alarms - Old System

Alarms - Proposed System

Alarms - Innovation

Simplified into an innovative three-stage System

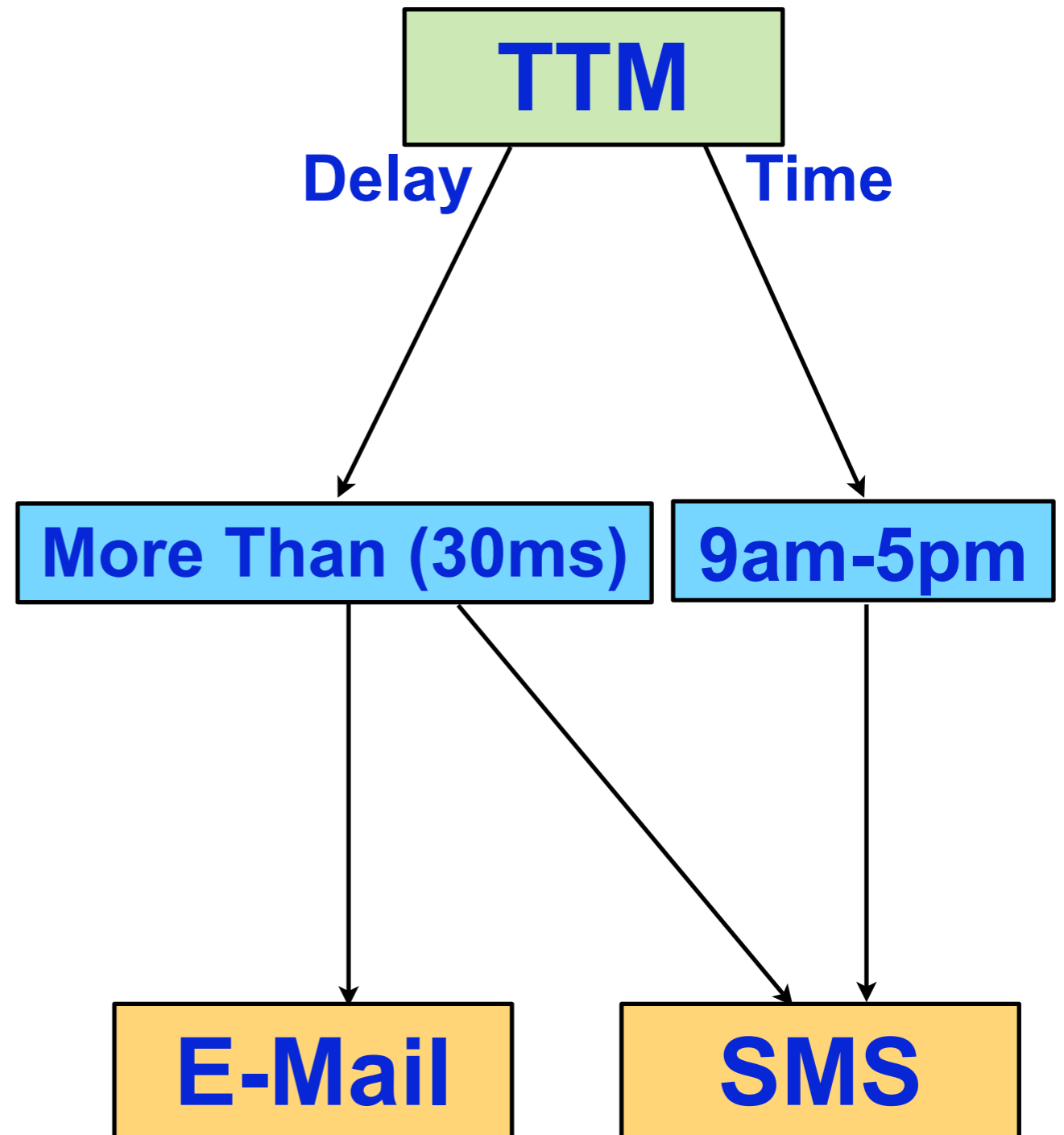**Input** → **Filter** → **Output**

Alarms - Example

Input

TTM

Filter

More Than

Output

E-Mail

TTM

Delay   Time

More Than (30ms)   9am-5pm

E-Mail   SMS
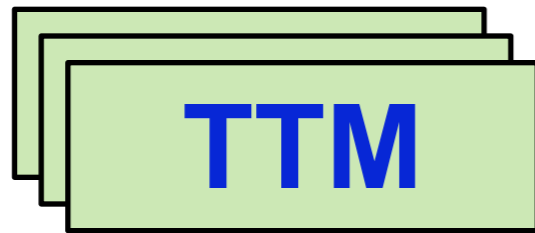
Alarms - Technology Preview

- Beta version online **now**!

  - http://www.ripe.net/is/alarms/

- Basic MyASN functionality

- TTM functionality to come with the next two months

  - Centralised real-time monitoring

  - Delay

  - Loss

Alarms Roadmap

- Short term: Plug-ins
  - TTM
  - DNSMON
  - Ad-Hoc Testing
- Long term: system improvements
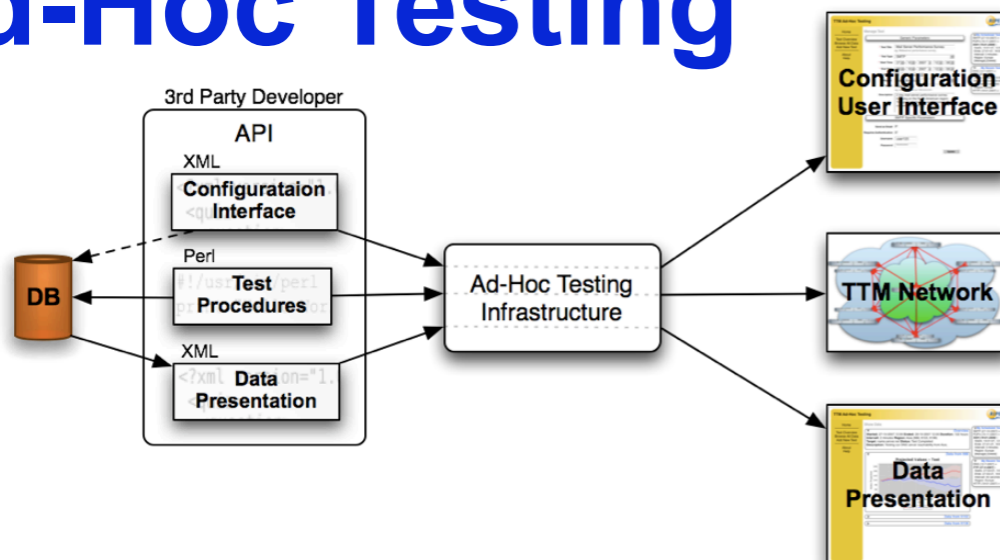 - User management
  - User defined presets
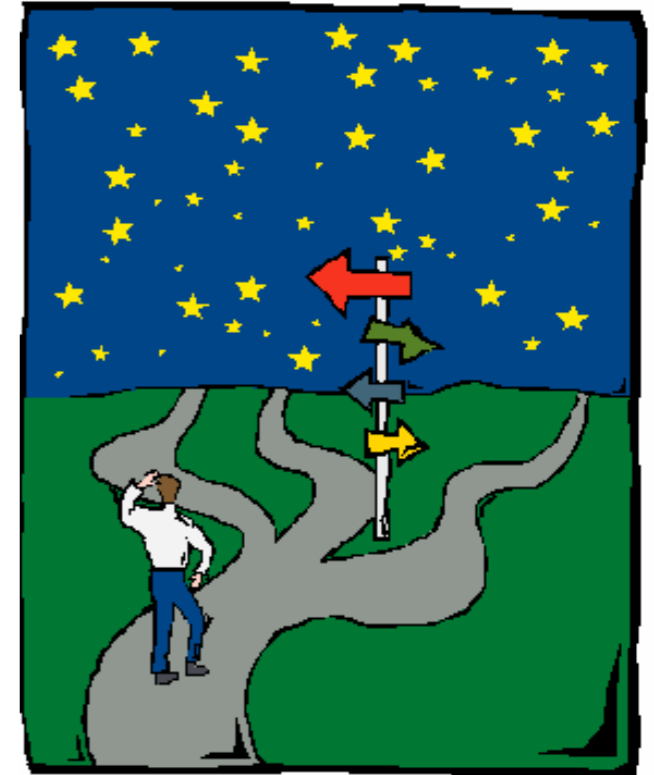
TTM Futures

Alarms Framework

- Flexible system
- Simple User Interface
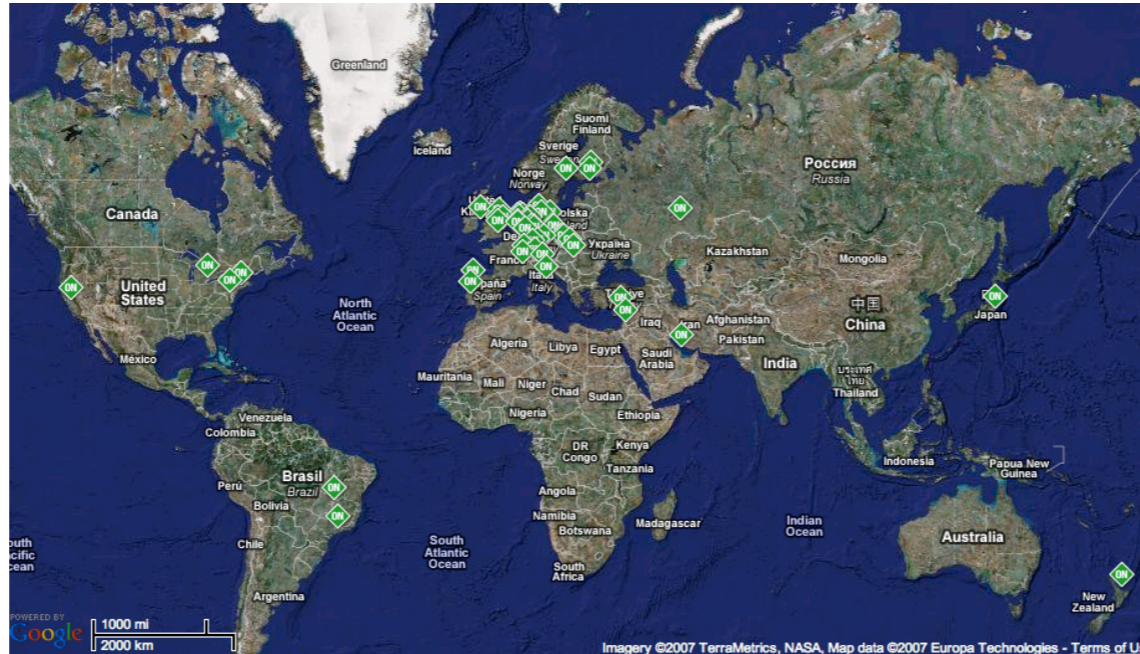- Extensible to other services

Two Big Things

Ad-Hoc Testing
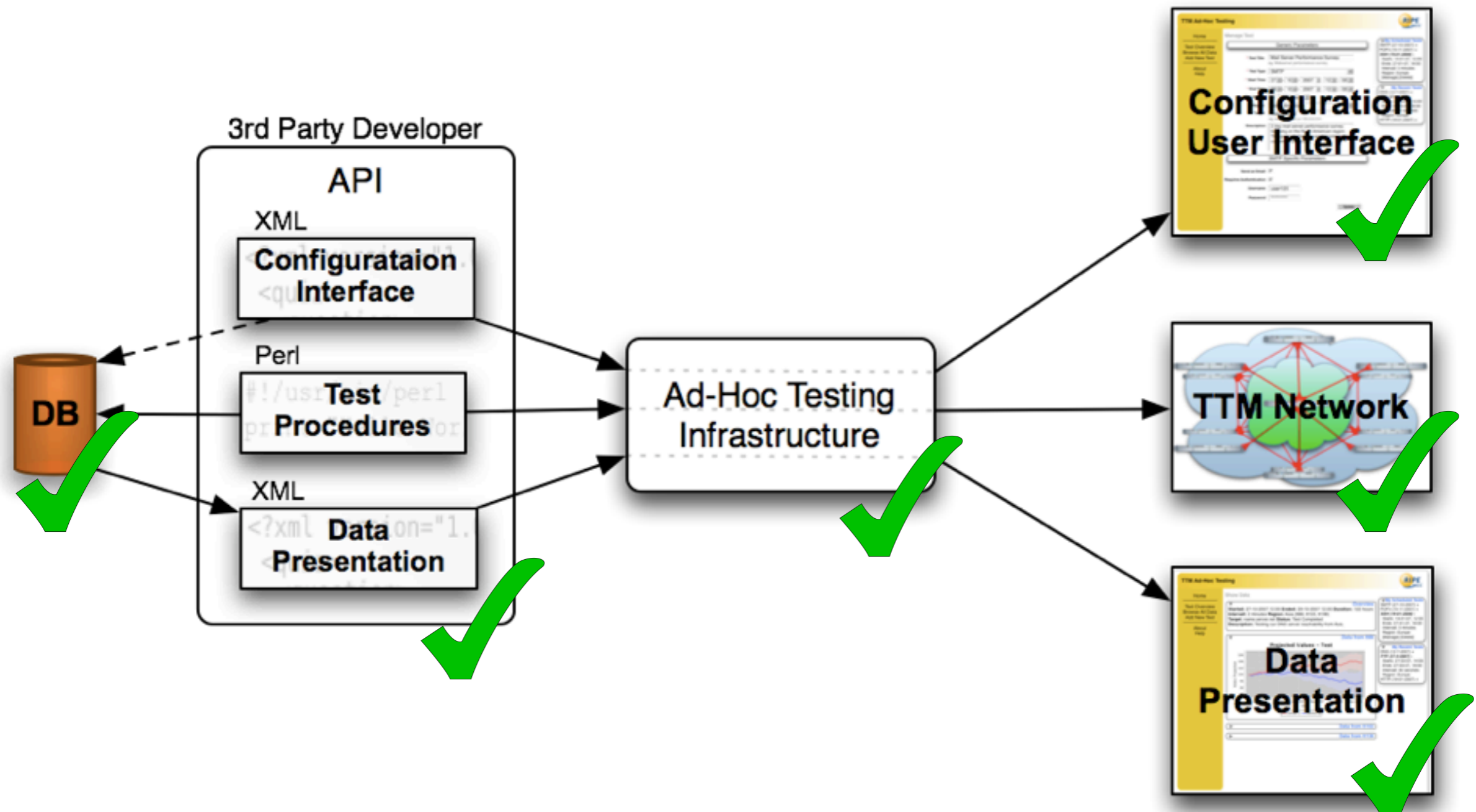
Test Traffic Measurement

One-Way Delay   Loss Measurements

Test Traffic Working Group asked for...

- Arbitrary ad-hoc experiments
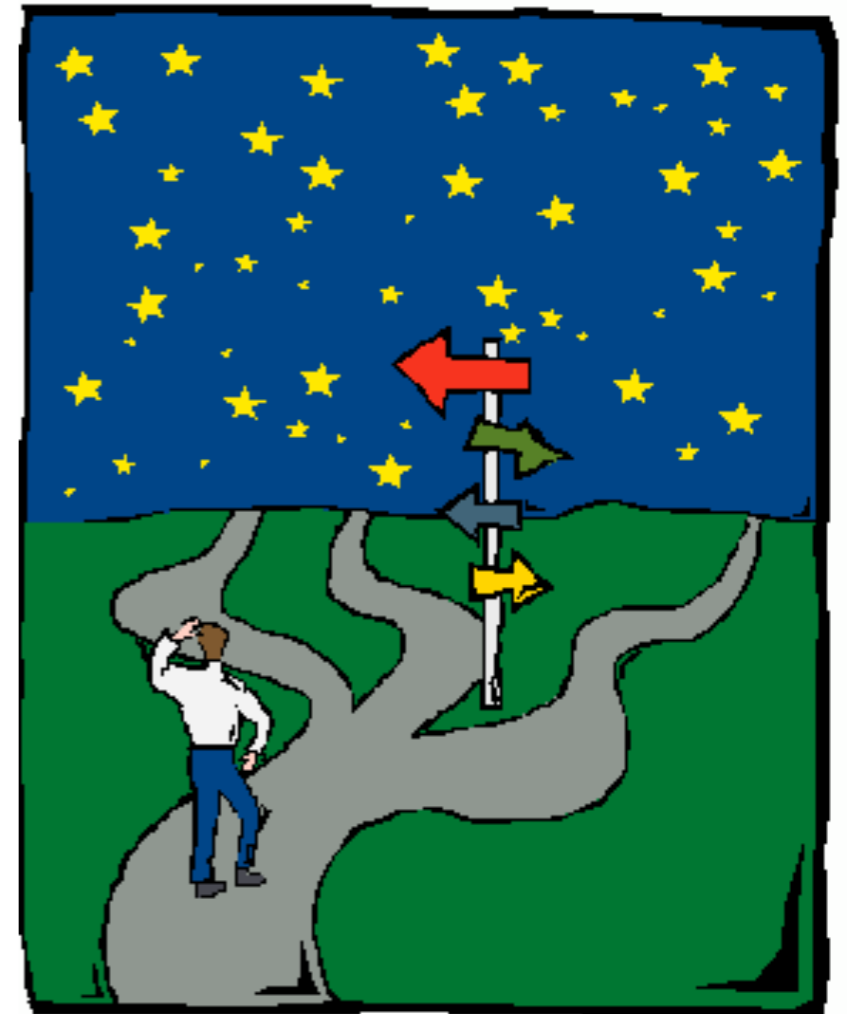- Measure any network in the world

Ad-Hoc Testing Architecture and Status

Ad-Hoc Testing - API

DEMO

Featuring the Ad-Hoc Testing User Interface and a live example measurement.

Ad-Hoc Roadmap

- Short term: Plug-ins!
  - SMTP, POP3,...
  - Multicast monitoring
  - More suggested in the TT-WG?
- Long term: system improvements
  - Alarms integration
  - Scalability

How to get access

- Available to testbox hosts
- Request an account: tt-ops@ripe.net
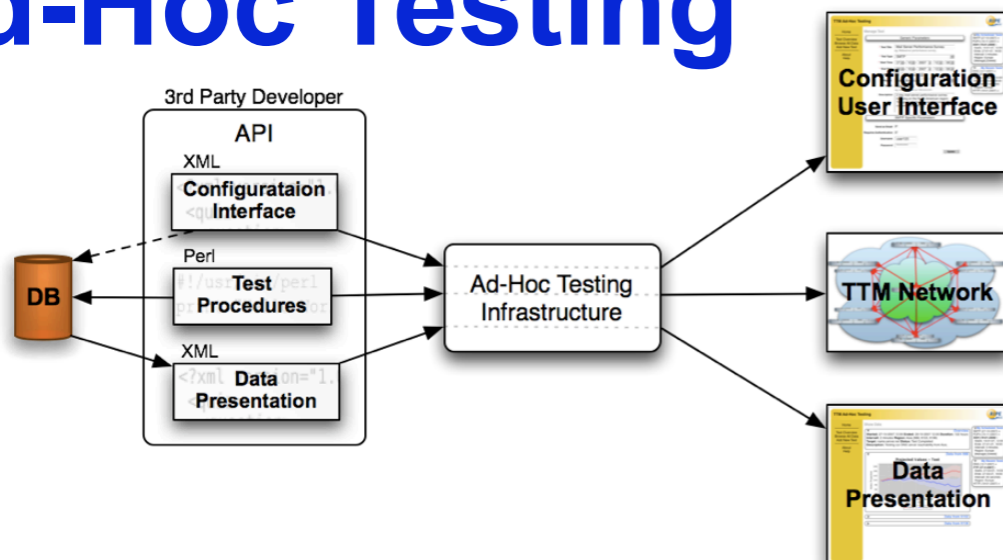- http://www.ripe.net/ttm/adhoc

TTM Futures

Alarms Framework

Two Big Things

Ad-Hoc Testing

- Measure any network
- Easy to extend
- Unified Interface

Questions?