Gulliver Project

- Distributed Active Measurement with Remote Management System -

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Project Goal

Distributed Active Measurement All over the world, more than 50 boxes Ousing small BOX, not PC OLow costs of distribution and deployment **Remote Management System** ONo need of pre-configuration OJust plug ethernet cable and power Configuration is downloaded automatically

Measurement BOX

IIJ SEIL

Originally it's a small router with IPv6, IPv4 NAT and IPv4/IPv6 Ipsec

- Including SMF(SEIL Management Framework)
- OS: NetBSD
 - No HDD
 - Memory : 64MB
- OLong MTBF

Overview of System (bootstrap)



(1) Plug network and power

Overview of System (management)



Overview of System (measurement)



Measurement

Measurement Box 15boxes are distrubuted Current Measurement orootprobe [A-M].root-servers.net octldprobe DNS servers of Country Domain arpaprobe DNS servers of [3-239].in-addr.arpa. Measured values ORTT, Timeout, Anycast ID

Measured Results & Demos

Project Web

Ohttp://gulliver.wide.ad.jp/

Member Pages

 We will issue an account to organization which accommodates a measurement box.

O Demo

Remote measurement

Web