ICANN Accra Meeting

Higher-Level Naming Systems:

Keywords and Other Non-DNS Identifiers

12 March 2002
12:00-14:00pm

Agenda

1. Big-Picture Overview: Keywords and Other Non-DNS Identifiers
   - John Klensin & Leslie Daigle, IAB

2. Technical Introduction: Internet Keyword Services
   - Yves Arrouye, International Forum on Internet Keywords

3. Non-DNS name to IP address systems, such as Instant Messaging
   - Andrew McLaughlin, ICANN

5. Short Introductions to Particular Keyword Services and Offerings
   - "Keywords in China" (Rainbow Hong Xue, CNNIC)
   - RealNames (Nico Popp & Keith Teare)

6. Question and Answer

Peer-to-Peer Addressing

* Replaces machine-centric model with protocol-centric model: Parallel namespace for each software application

* Centrally-managed; instantly updated

* Mapping of usernames to temporary IP addresses by privately-owned servers dedicated to the protocol/application (not relying on DNS servers)

Examples:

Napster
  - a sort of customized ftp for music files

Instant Messaging
  - Name tied to person, not machine
  - Doesn't matter what machine user is at

Application-Specific Online Database

IP Address   User ID

IP Address

User ID
(& Password)