IPv6 Cluster Update

October 1ˢᵗ 2003

Milan

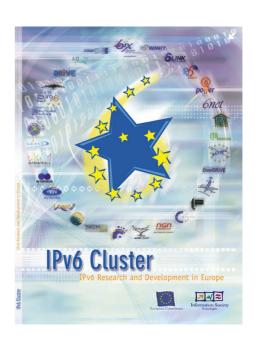IST IPv6 Cluster IX

Cluster Activities Update

- Publications
  - Moving to IPv6 in Europe
  - Newsletters
  - Cluster Meeting Reports
  - IPv6 Standards Reports

- Web Portal, Mailing List
  - http://www.ist-ipv6.org
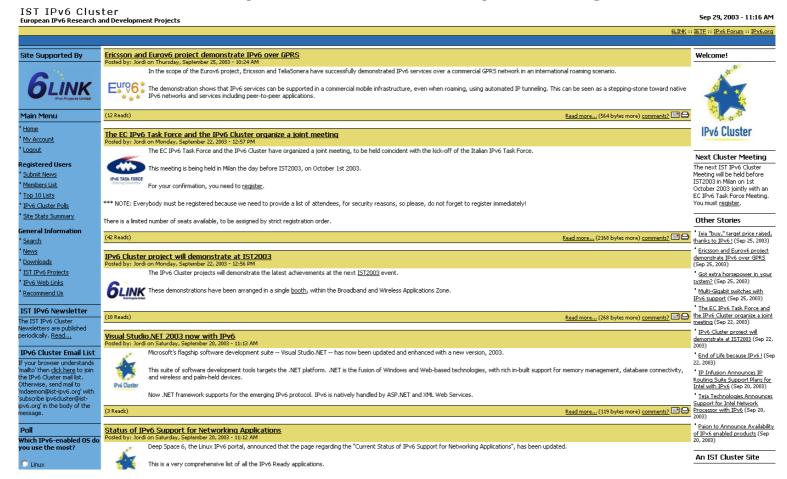 - ipv6cluster@ist-ipv6.org
  - projects@ist-ipv6.org

IPv6 Cluster Web Portal

http://www.ist-ipv6.org

FP6 and IPv6 Cluster

- Numerous proposals, only 1 successful IPv6-related project accepted through to negotiation

- 2nd Call – Research Networking Testbeds – expect to see more proposals with an IPv6 component here

SEINIT

- 24 month IP project
- Thales Communications SA
- Other partners
  - 6WIND, BT, T-Systems, ENST, IABG, KYOS, Telscom, Thales Research UK, UCL, University of Murcia, Waterford Institute of Technology, ISOC
- Kickoff: 01/12/03 or 01/01/04

Security for the pervasive computing world

SEINIT

- ## Objectives
  - Design a new Security Architecture and new models of Trust to be used in the context of different environments, users and applications, with a central focus on IPv6;
  - Define and integrate Security Policies to be deployed within different software components;
  - Implement the security framework over different hardware and software platforms in order to create the necessary infrastructure;
  - Adapt existing applications to support the security services defined and validate the proposed framework;
  - Define operational guidelines that help new developers and network engineers in the deployment of new applications and services within the context of the new security platform;
  - Disseminate the project results and lessons learned and train users and developers of these new trust models, security architectures and operational guidelines in order to stimulate broad deployment and commercialisation;
  - Consult and support the European Security Task Force.

SEINIT

- Work Packages
  - WP0 Project Management (Thales Comms)
  - WP1 Design Models and Policies (ENST)
  - WP2 Security Architecture (Thales Comms)
  - WP3 Implementation of Components & Models (6W)
  - WP4 Security Assessment Platforms (BT)
  - WP5 Adaptation & Integration of Applications (UCL)
  - WP6 Validation (T-Systems)
  - WP7 Exploitation & Dissemination (Telscom)
  - WP8 Training (Telscom)
  - WP9 Review and Assessment (Thales Comms)

SEINIT

- IPv6 Activities
  - Cryptographically Generated Addresses (CGA)
  - Integration of transition with security mechanisms
  - IPv6 routing protocol security
  - DNSsec integration
  - IPsec enhancements
  - Mobility Security (MobileIPv6)
  - Honeypot for analysing IPv6-borne attacks
  - Performance analysis
  - Operational guidelines
  - Security for IPv6-enabled applications
  - Anomaly detection systems

IST 2003 Demos

- Thanks for your attention
- Any questions?