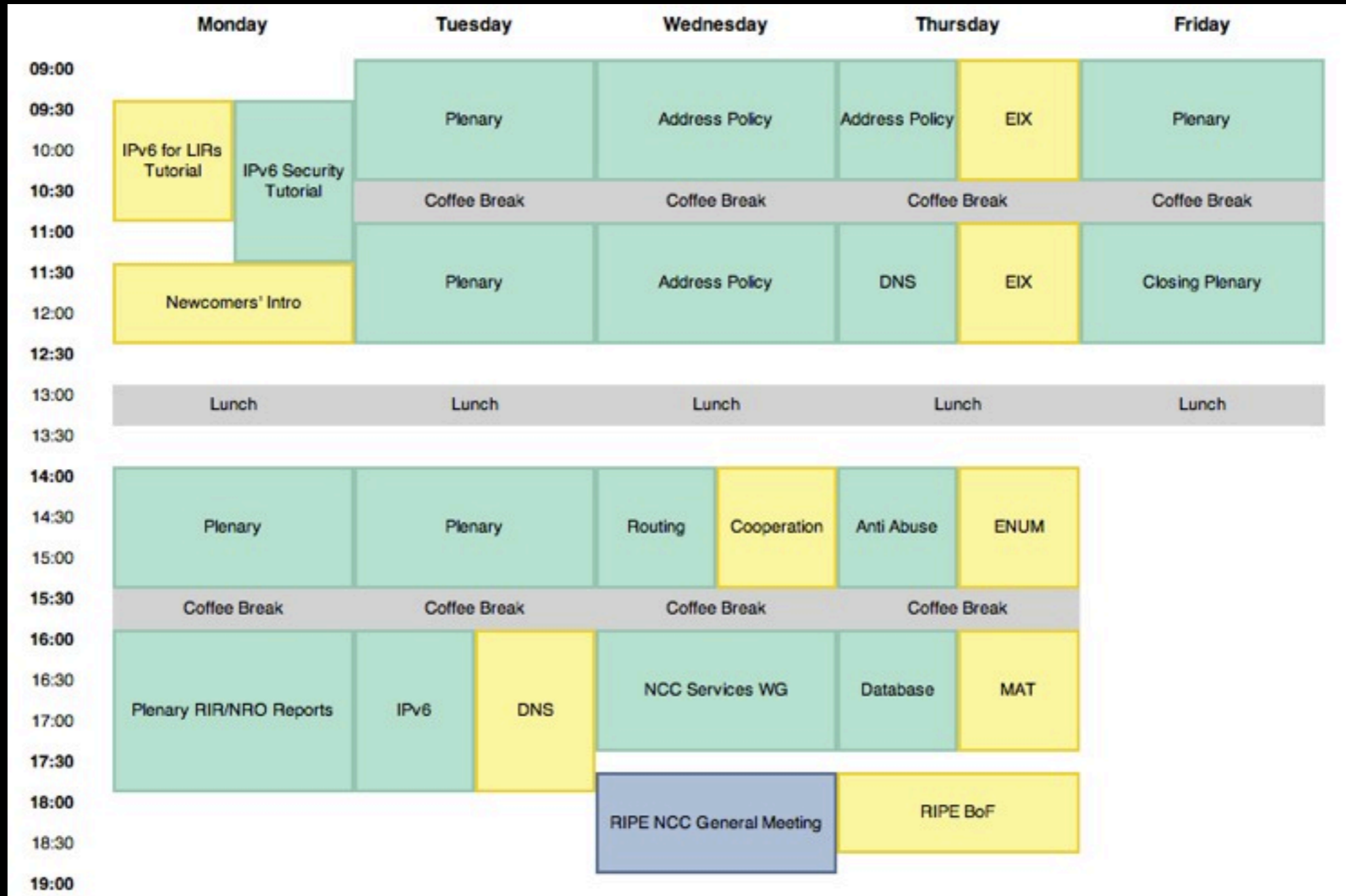# Bond Internet Systems

Avance de RIPE 61

Joao Luis Silva Damas

¿Qué es RIPE?

- Gente interesada en redes IP en Europa

  - literalmente: Reseaux IP Europeens

- ¿Qué es RIPE NCC?

  - El registro regional europeo para recursos IP

¿Qué es una reunión de RIPE?

Plenario (1)

Plenario – Lunes 14:00-15:30

PANEL

Additional Path Data for Faster Convergence
Randy Bush, Keyur Patel, Virginie Van den Schrieck, Pierre Francois

Duration: 50 minutes

PRESENTACIÓN

10 Gbit Hardware Packet Filtering Using Commodity Network Adapters
Luca Deri

Duration: 30 minutes

Plenario (2)

Plenario – Lunes 16:00-18:00

PRESENTACIÓN

> **RIPE Atlas**
> Daniel Karrenberg, RIPE NCC
>
> An introduction to the RIPE NCC massive active measurement platform
> **http://labs.ripe.net/atlas**

PRESENTACIÓN

> **IPv6 Deployment Monitoring Survey 2010**
> Maarten Botterman, GNKS Consult

Plenario (3)

Plenario – Martes 09:00-10:30

PANEL

Complejidad de redes
Michael Behringer

Duration: 70 minutes

PRESENTACIÓN

The Battle of the Optics
Markus Arnold

(Re)programming SFPs

Duration: 20 minutes

Plenario (4)

Plenario – Martes 11:00-12:30

PRESENTACIÓN

Incentivos Económicos para la Cooperación en la lucha contra el Spam
John Quarterman

Duration: 30 minutes

PRESENTACIÓN

Routing a Gbps con Open Source
Bengt Gördén, Resilans AB

We have shown how open-source routers on new PC hardware allows for forwarding speeds of 10Gb/s and above. We have also shown how the new 10Gb/s interface classification techniques can be used to separate packet forwarding from control plane operation. It is important to isolate the control-plane from forwarding load, since it makes routing protocol and management operation independent of forwarding load. It also increases the resilience against denial-of-service attacks.

Duration: 30 minutes

PRESENTACIÓN

L2/L3 Integration
Nicolas Fischbach, COLT

- Colt today: Three separate networks
- Why collapse L2 & L3 onto one network? – Technical and business benefits
- L2 & L3 integration phases and challenges – Access (CPE), edge and core
- Approach change on Internet transport vs transport over IP
- Security aspects of L2/L3 integration
- The dual-vendor requirement – A general strategy for business risk mitigation
- The OSS & BSS environments – Service delivery, service activation and service assurance
- Progress review of the Colt L2 & L3 integration project
- The next step – L1/L2/L3 integration

Plenario (5)

Plenario – Martes 14:00-15:30

PRESENTACIÓN

Buenas Práticas en Planeamiento de Redes e Ingeniería de Tráfico
Thomas Telkmap (Cariden), Clarence Filsfils (Cisco)

This presentation will review current industry best practises for planning and traffic engineering in IP and MPLS networks. Technologies and approaches will be compared, leveraging experience gained and case studies including a number of Tier 1 deployments. The subjects covered will include:

- Traffic / demand matrices: methods for determining traffic matrices for IP/MPLS networks
- netFlow, MPLS, demand estimation, demand deduction
- The relationship between SLAs and network planning targets
- Network planning simulation and analysis – working and failure cases, what-if scenarios
- Traffic Engineering options and approaches: tactical, strategic, MPLS, IGP
- Peering planning without revealing confidential information

Duration: 90 minutes

Plenario (6)

Plenario – Viernes 09:00-10:30

PRESENTACIÓN

"Crap" Traffic in IPv6
Geoff Huston

PRESENTACIÓN

IPv6 – Un experimento en un proveedor de contenidos
Johannes Endres

Preparaciones, resultados y plan de poner **Heise Online** en Dual Stack.

PRESENTACIÓN

Application Layer Traffic Optimisation (IETF-ALTO) Technologies in Service Provider Networks
Stefano Previdi

In today's applications, caching and replication is a vital mechanism in order to provide redundancy, availability and efficiency in content and services delivery. Therefore it becomes critical to have a reliable and efficient mechanism allowing to determine the best location where data/services are to be delivered from and based on multiple criteria: location of the requesting user, infrastructure and resources utilsation, state and performance, policies, etc.

The Network Positioning System (NPS) computes the location of and distance between endpoints. Examples are: an application client willing to locate the closest instance of a movie, a peer-to-peer client willing to find the closest set of peers sharing the requested content, a voice/video conferencing service having to locate the closest bridge for a given user or a cloud computing network willing to locate the closest set of requested resources. NPS leverages network layer information and is operated by the Service Provider willing to deliver NPS services to the application layer.

NPS technology is aligned with the work IETF ALTO (Application Layer Traffic Optimisation) working group that carries the standardisation of a protocol through which ALTO services will be delivered to applications.

The presentation gives an overview on:

- NPS Architecture and applicability
- Implementation and deployment on Service Provider's infrastructure
- Future directions

Address Policy WG APWG

http://www.ripe.net/ripe/policies/proposals/index.html

- 2010-02 uso del último /8

- 2010-05. Uso de IPv4 por la IANA post-agotamiento

- 2010-07 IPv6 para puntos neutros

- Discusiones sobre significado de la regla de 80% de uso en IPv6

- 2010-08 Objeto irt: obligatorio

- 2010-09 Contacto frecuente

- 2010-10 Adding reference to sponsoring LIR in inetnum, inet6num and aut-num objects

Routing/IPv6

Agenda IPv6 WG

16:00 Martes, 16 Noviembre 2010

C. Detecting (and fixing!), IPv6 Dualstack Brokenness – Tore Aderson

D. The Results on Introducing Native IPv6 at XS4ALL – Marco Hogewoning

F. Native IPv6 via xDSL – How to Tweak Your LNS – Fredy Künzler

G. Requirements for IPv6 in ICT Equipment - Jan Zorz/Sander Steffan

H. Update on Policy Proposal 2010-06 – Marco Hogewoning/Remco van Mook

Agenda Routing WG

14:00 Miércoles, 17 Noviembre 2010

B. Incident Analysis with RIPE NCC Tools (25 mins)

- **Analysing the RIS/Duke BGP Incident**
  Erik Romijn, RIPE NCC

C. TBA (25 mins)

DNS

Agenda DNS

16:00 – Martes, 16 Noviembre 2010

F. BIND 10 Update - Jelte Jansen, ISC (15 mins)

    Estado del desarrollo de BIND 10

G. Key Rollover in .cz – Jaromir Talir, CZnic (10 mins)

    Experiencias en la rotación de claves DNSSEC en .CZ

H. DNSDB: What's up with the DNS? - Joao Damas, ISC (15 mins)

I. GOST en DNSSEC – Basil Dolmatov (15 mins)

    Uso del algortimo GOST en DNSSEC

11:00 – Thursday, 18 Noviembre 2010

K. DNSSEC en ICANN – Dave Knight, ICANN (15 mins)

    Firma de la raíz y .arpa

L. Despliegue IDN en .ru – Sergey Gorbunov, RU-CENTER (20 mins)

    Primer TLD en cirilico

M. Consideraciones sobre DNS Inverso para IPv6 – Kostas Zorbadelos, OTE & Dave Freedman, Claranet (25 mins)

    Presentations and discussion concerning the DNS challenges operators may face deploying IPv6 to their customers. The presentations will focus on scaling and security (i.e DNSSEC) and provide example solutions for discussion. Their purpose will be to trigger a conversation as to what operators are doing today or what could be described as best practice on this particular subject.

RIPE BOF

- RIPE Labs

- Reforma de las reuniones de RIPE

DB (whois)

Agenda "Database" WG

16:00 – Jueves, 18 Noviembre 2010

F. Feedback/Status Check on APNIC "prop-079" – All

- Making the **irt** object mandatory
- Reference: **http://www.apnic.net/policy/proposals/prop-079**

Otros

- Antiabuse
- MAT
- Cooperación
- ENUM
- EIX

Servicios y junta

- Certificación de recursos

- Cierre de LIRs y borrado de registros

- Procesos del RIPE de cara al fin de IPv4

- Reunión de miembros

  - Presupuesto

  - Plan de actividades

  - Cambios en los estatutos

  - http://www.ripe.net/membership/gm/gm-november2010/documents.html

¿Preguntas?

http://www.bondis.org/Services/es/
lir_services.html