

CLARA's Technical Management and project status

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CLARA-TEC Nov 7/2011 Montevideo/Uruguay









Agenda

- RedCLARA's network update
- Links' activations summary
- Engineering activities
- NEG activities
- Dynamic Circuit Provisioning service concept
- Systems activities









RedCLARA's network











Current RedCLARA's



Actual (Nov/2011)







RedCLARA's network projected (Dec/2012)









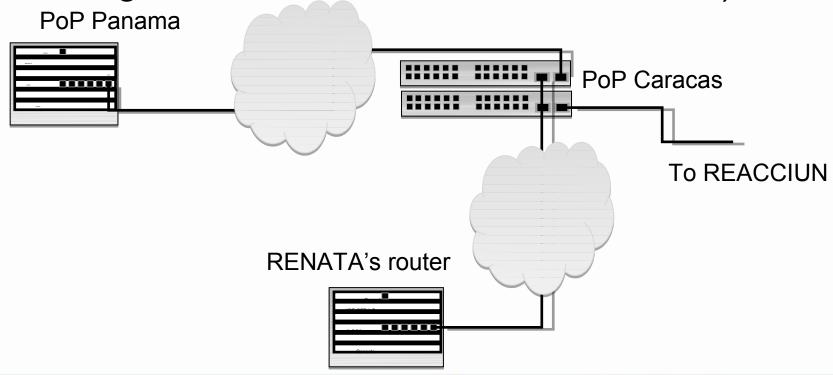
Link's activations

Link	Capacit v	Activation date
Santiago de Chile – Panama City	STM-4	July 6/2011
Sao Paulo – Panama City	STM-4	September 6/2011
Santiago de Chile – Sao Paulo	STM-4	September 6/2011
Guayaquil – Lima	622 Mbps (GEth)	October 3/2011
Bogota – Caracas	622 Mbps (GEth)	October 28/2011
Caracas – Panama City	622 Mbps	October 28/2011

Advances in equipment installation

 Equipments installed in Caracas Sep/2011

(Pending: Brazil, Central-America, Colombia)











Tender procedures

STM-4 ring SCL-PTY-CCS-SAO, and BOG-CCS

(Adj. to Global Crossing Jan/2011) (Pending. Installation second STM-4 to Madrid, and the 2.5 Gbps link)

Lima – Antofagasta

(Adj. to Telefonica Feb/2011)

(Pending. Fiber path installation in Peru)

Dark fiber for Central America

(Adj. to UFINET in May/2011)

(Pending. Installation of the fiber path)

Equipments for Central America

(Pending adjudication)











NEG summary

- Tender procedure for Central America's equipments
 - Closed in Sep 29/2011, Received proposals, evaluation results on next week.
- Circuit Provision Service Concept Design
 - Version 1 completed.
- Disaster Recovery Plan
 - Finishing first draft, will be ready by Nov 25
- Pending link's implementations
 - Lima Antofagasta (Equipments ready in Santiago, waiting for path to be ready)
 - Central America (Estimated by February)







Systems and software activities

Security plan implementation

In deployment by the SEG.

SIVIC reservations system (SAR)

Hiring deployment of the version 1.2

Portal

- File sharing service (Second testing protocol running, Nov 2011)
- Video service (Second testing protocol running, Nov 2011)
- Funds database (In revision by academic relations management)
- NRENs compendium (In development)
- Unified Reports system (Hired developer, defining reports system)

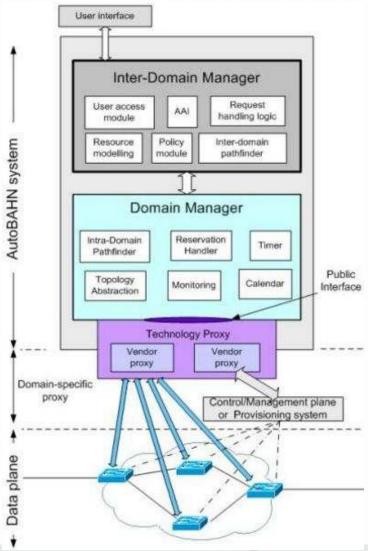








GEANT CPS architecture











Dynamic Circuit Service (Static Method)

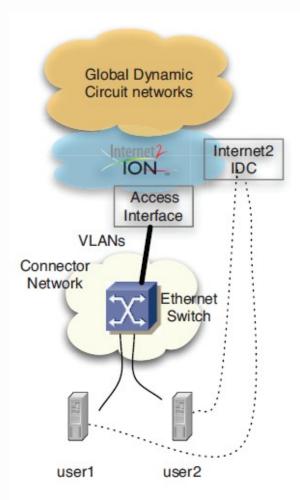


Figure 1.
Connecting to
Internet2 ION:
Static method
Connector
creates a VLAN
connection.

- User request service to the I2 IDC
- VLAN's numbering previously defined
- Project manager assigned for service delivery with the institution

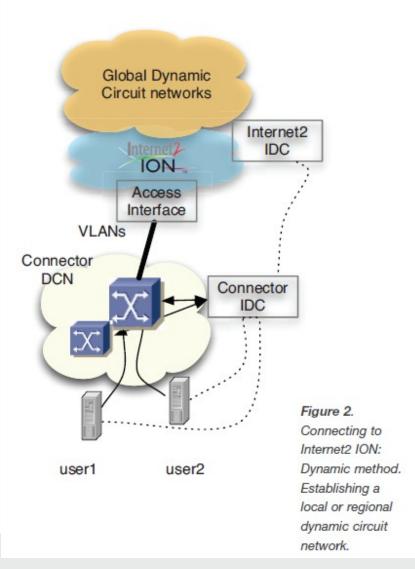








Dynamic Circuit Service (Dynamic method)



- User request service through the service pages from its own institution
- Circuit request between domains is handled by the IDC

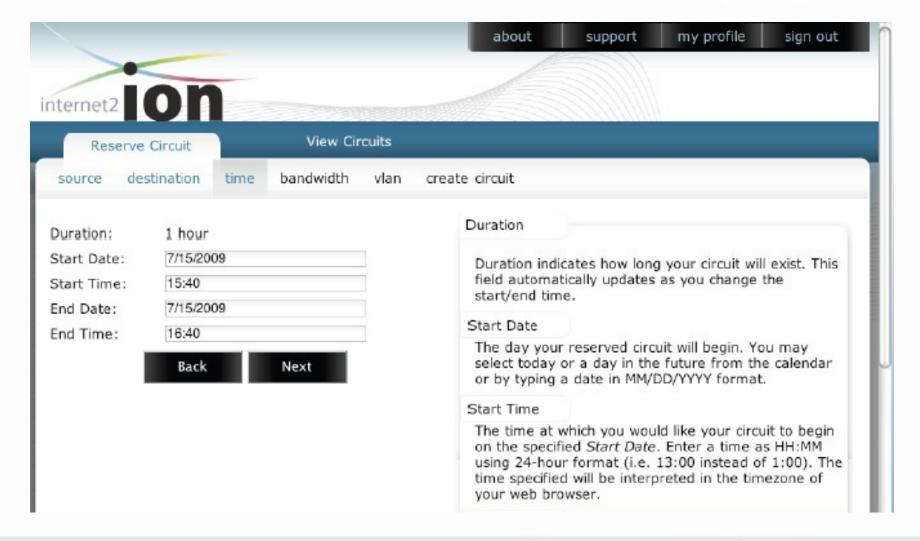








Dynamic Circuit Provision request pages











(Phase 0: Testing

- Phase 0, Service Implementation in an Offline backbone
 - Basic service testing environment will be installed (Dec 2011)
 - Interfacing with Cisco switches, and router
 - Service detail definitions (Service page needs, DC technical definitions)











Dynamic Circuit Service (Phase I)

- Phase I, Service Implementation in RedCLARA's backbone
 - The IDC implementation for the backbone,
 - The definition of the service policies and procedures,
 - The standardization of the service implementation, and manuals to disseminate across the NRENs and institutions,
 - Testing implementation with static VLANs at NREN's level.











Dynamic Circuit Service (Phase II)

Phase II, Implementation on the NRENs

 The implementation will cover the installation of the IDC in at least three NRENs, and the configuration of the communication with the RedCLARA's network IDC.











Dynamic Circuit Service (Service support)

RedCLARA's federated support system

- Service concept draft by Marketing area
- Centralized support system











Minimum requirements for NRFN

- GigaEthernet physical connection
- Project manager
- Responsible for service operation and support







