



Consorti de
Serveis Universitaris
de Catalunya

Novedades en



CATNIX

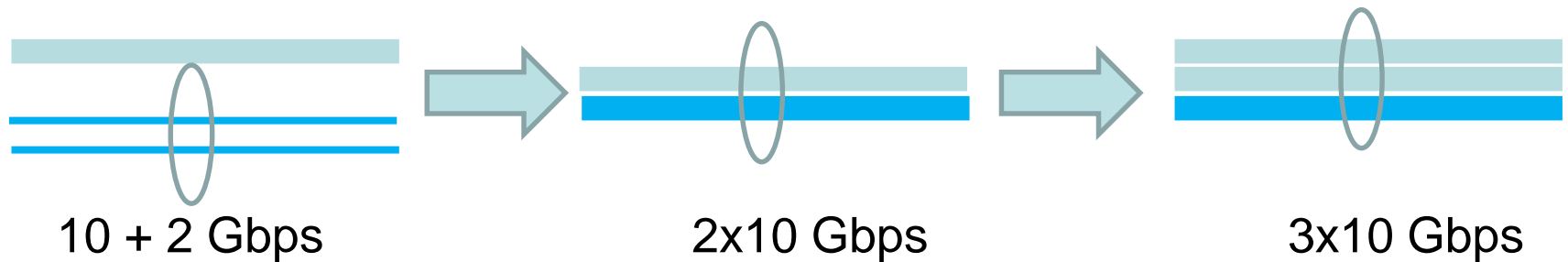
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MediaLab Prado, 17-05-2019



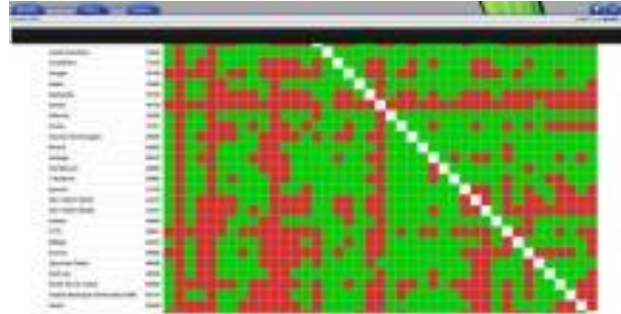
Ampliación enlace Campus Nord-Equinix a 30 Gbps

- ✓ De 10 Gbps a 20 Gbps (2x10 Gbps) en Mayo, por equipos distintos.
- ✓ De 20 Gbps a 30 Gbps (3x10 Gbps) en Julio.
- ✓ Picos de 15 Gbps.
- ✓ Fibras entre nodos en Anillo.



Peering Matrix

- ✓ sFlow activado en los conmutadores, sampling 1/16384 (sólo cabeceras).
- ✓ Basado en plataforma IXP manager.



- ✓ Se pueden elegir
 - All peerings
 - Peer-to-peer
 - Route-server peerings
- ✓ Visible desde el portal privado

graphs Peering Matrix mapes ***

Graphs -> Tree Mode

Logged in as **igandia2** (Logout)

CATNIX - Estadístiques

- Col·lisions i CRC
- Interconnexió CSUC - Telvent - bitNAP
- Tràfic per port

Graph Filters

Presets: Last Day From: 2018-11-19 13:23 To: 2018-11-20 13:23 1 Day Refresh Clear

Search: Graphs per Page: 40 Thumbnails: Go Clear

Showing All Graphs

Nueva herramienta de ticketing: Service Desk

CSUC

Requests

Eina de suport del CSUC
CATNIX
Text a personalitzar

En què voleu que us ajudem?

Common Requests

- Logins and Accounts
- Computers
- Applications
- Servers and Infrastructure

- Get IT help**
Get assistance for general IT problems and questions.
- Set up VPN to the office**
Want to access work stuff from outside? Let us know.
- Request a new account**
Request a new account for a system.
- Desktop/Laptop support**
If you are having computer problems, let us know here.
- Request a desk phone**
If you'd like to request a desk phone, get one here.
- Report a system problem**
Having trouble with a system?

✓ bird-ig looking-glass:

The screenshot shows the CATNIX Looking Glass web interface. The browser address bar displays `lg.catnix.net/prefix_detail/igbird/ipv4?q=www.uoc.edu`. The page header includes the CATNIX logo and the text "The Neutral Internet Exchange in Catalonia". Below the header, there are navigation tabs for "Nodes" (all, igbird) and "Protocols" (ipv4, ipv6). A search bar contains the command "show route for" and the destination "www.uoc.edu".

The main content area displays the following information:

- Welcome on Catnix.net Looking Glass**
- This looking glass will allow you to:
 - traceroute any destination IPv4 and IPv6 address
 - show route for any destination IPv4 and IPv6 address
 - show route for any destination IPv4 and IPv6 address detailed
 - show route for any destination IPv4 and IPv6 address using graph
- igbird: show route for 213.73.40.242/32 all**
- DNS: `www.uoc.edu => 213.73.40.242`

A dropdown menu is open over the search bar, listing various commands such as "traceroute ...", "show protocols", "show route for ...", and "show route for ... all".

On the right side, there is a "REQUEST HISTORY" section with the following entries:

- igbird/ipv4: show route for www.uoc.edu all
- igbird/ipv4: show protocols
- igbird/ipv4: show route for www.uoc.edu (bgpmap)

Below the history is a "View the BGP map" link and a BGP map visualization showing the route path from AS15633 to the destination IP 213.73.32.0/19.

```
213.73.32.0/19 via 193.242.98.38 on eth0 [CATNIX_ANE]
Type: BGP unicast univ
BGP.origin: IGP
BGP.as_path: 13041 15633
BGP.next_hop: 193.242.98.38
BGP.local_pref: 0
via 193.242.98.19 on eth0 [CATNIX_REDIRIS 2018-10-24] (100) [AS15633i]
Type: BGP unicast univ
BGP.origin: IGP
BGP.as_path: 766 13041 15633
BGP.next_hop: 193.242.98.19
BGP.local_pref: 0
```

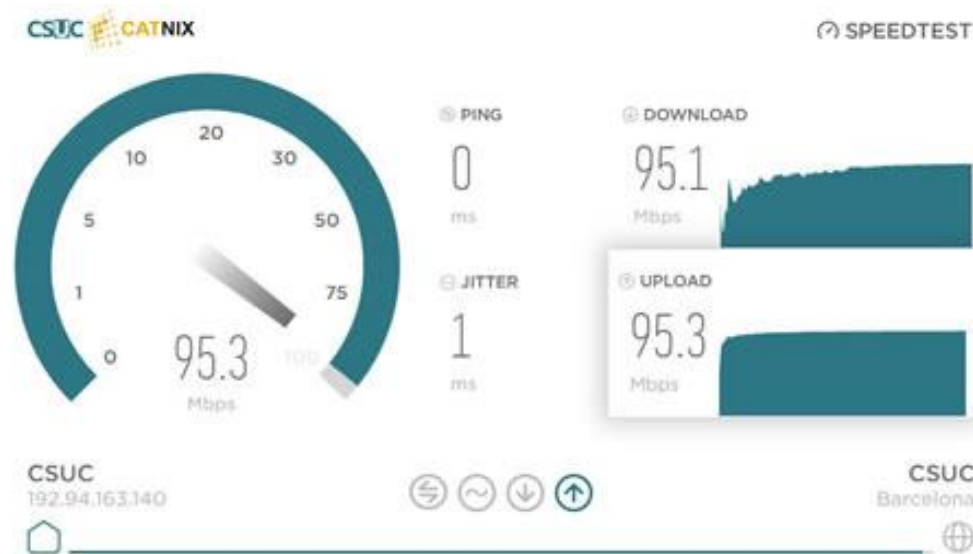
- ✓ Command history.
- ✓ Bgpmap para pintar mapas.
- ✓ 'whois' queries para información sobre rutas y AS.
- ✓ Accesible desde cualquier dispositivo.

27 peers IPv4 & 14 IPv6

Speedtest interface & soporte HTML5

- ✓ Speedtest de Ookla Soporta HTML5.
- ✓ Permite incluir iframe en los webs de los miembros de CATNIX:
 1. Contactar catnix@suport.csuc.cat para poner los permisos..
 2. Incluir iframe en vuestra página:

```
<iframe width="100%" height="600px" frameborder="0"  
src="http://catnix.speedtestcustom.com"></iframe>
```

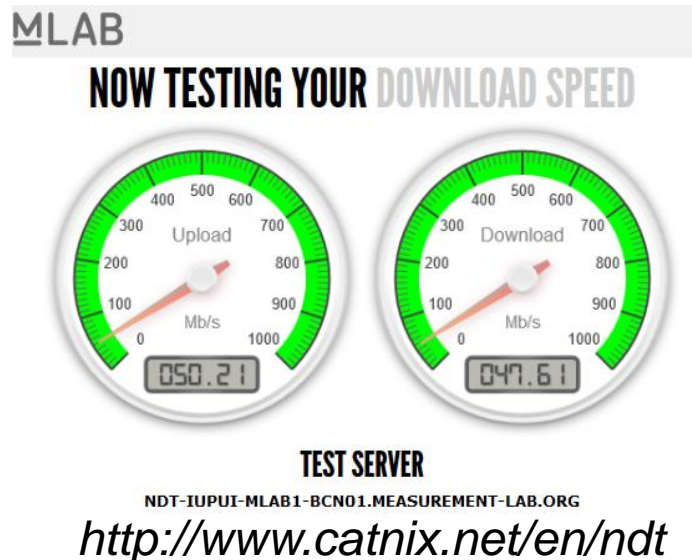


<http://www.catnix.net/speedtest>

M-lab pod en CATNIX: NDT

- ✓ NDT (Network Diagnostic Tool) es similar a speedtest pero da más información técnica.
- ✓ Se puede incluir iframe en vuestro web
 1. Incluir iframe en vuestro web:

```
<iframe src="//www.measurementlab.net/p/ndt-ws.html" align="middle"></iframe>
```
 2. Aseguraos de que se usa el pod de CATNIX:
Test server => `ndt-iupui-mlab1-bcn01.measurement-lab.org`
 3. Si no, probablemente tenéis que activar el peering con el router de servicios. Contactad con nosotros.





MANRS

Mutually Agreed Norms for Routing Security



- ✓ Adam
 - ✓ Andorra Telecom
 - ✓ Claranet
 - ✓ CSUC
 - ✓ Google
 - ✓ Nexica
 - ✓ Microsoft
 - ✓ RedIRIS
 - ✓ RIPE NCC
 - ✓ NTT
 - ✓ Verisign
- ✓ CATNIX también está en MANRS, como punto neutro.



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¡Gracias por vuestra atención!

¿Preguntas?

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