

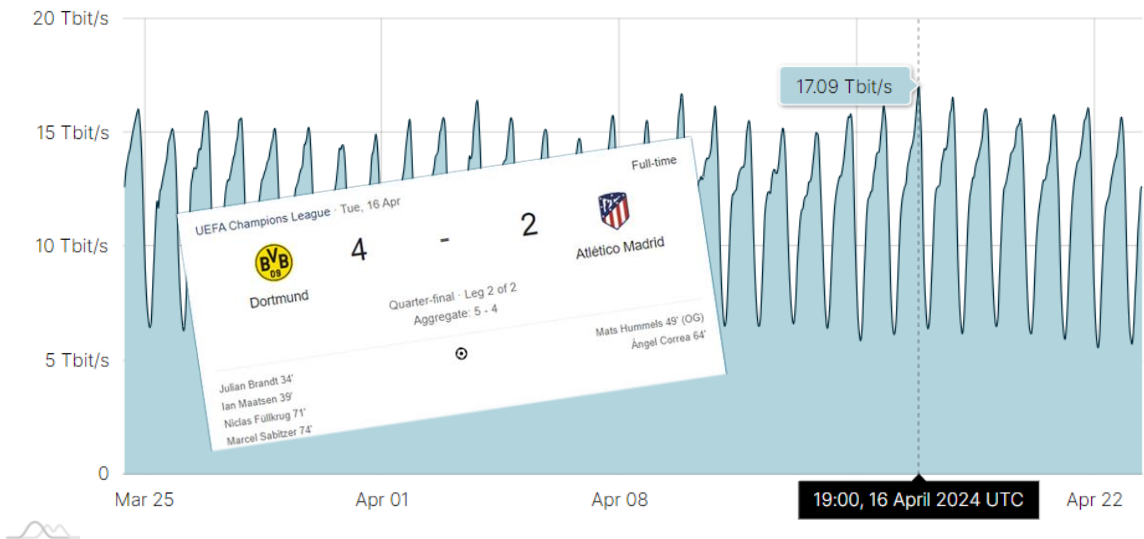
Novedades del DE-CIX

ESNOG 31, Madrid, 24-25 Abril 2023

Marcos Sanz – Head of Global SW



Tráfico Frankfurt – 1 mes



ALL-TIME PEAK

17.09 Tbit/s

GRAPH PEAK

17.09 Tbit/s

GRAPH AVERAGE

12.12 Tbit/s

CURRENT

12.25 Tbit/s

ACTIVE ASNs ①

1,166

CONNECTING ASNs ①

4

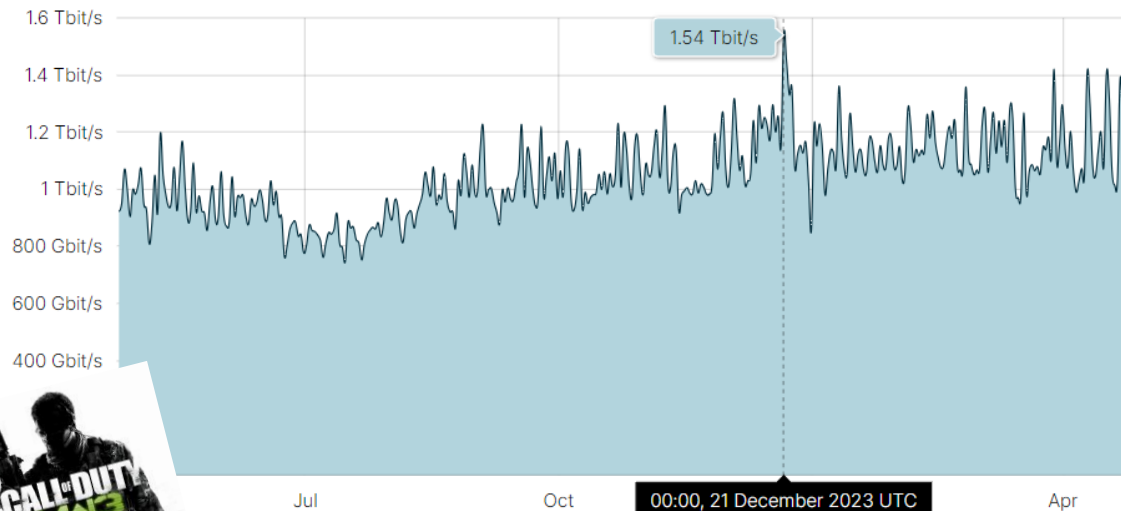
IPv4 ROUTES ①

275,430

IPv6 ROUTES ①

68,974

Tráfico Madrid – 1 año



ALL-TIME PEAK

1.54 Tbit/s

GRAPH PEAK

1.54 Tbit/s

GRAPH AVERAGE

658.80 Gbit/s

CURRENT

632.89 Gbit/s

ACTIVE ASNs ⓘ

227

CONNECTING ASNs ⓘ

7

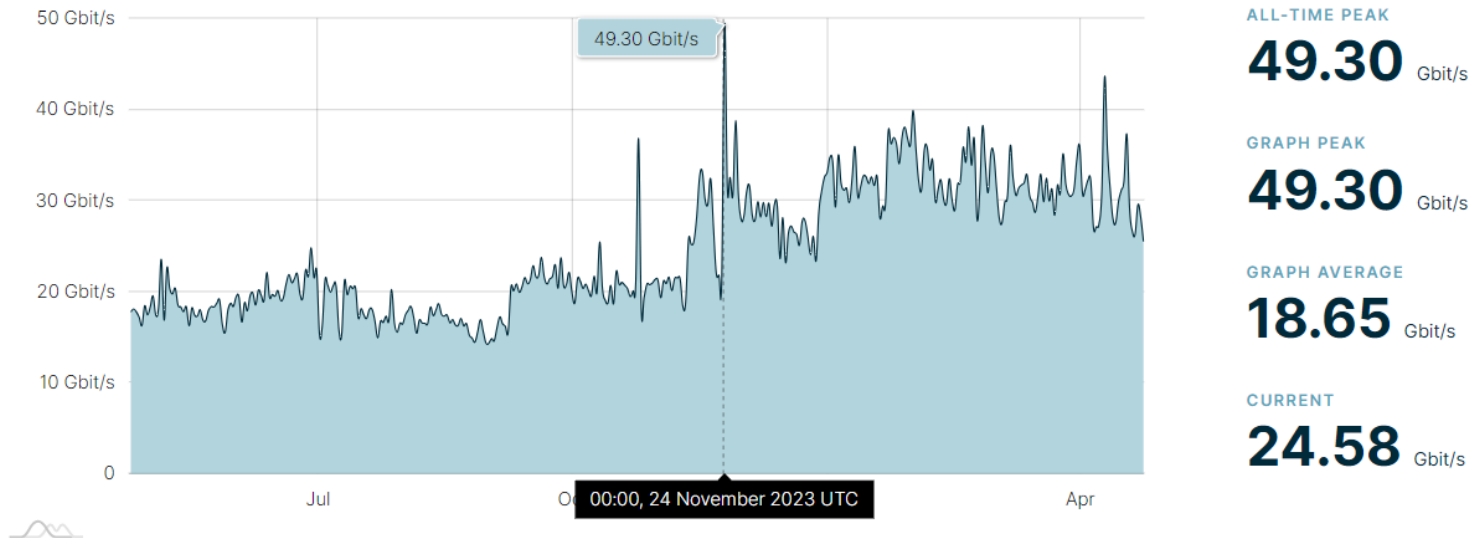
IPv4 ROUTES ⓘ

132,606

IPv6 ROUTES ⓘ

61,492

Tráfico Barcelona – 1 año



ACTIVE ASNs ⓘ	CONNECTING ASNs ⓘ	IPv4 ROUTES ⓘ	IPv6 ROUTES ⓘ
43	1	101,780	52,660

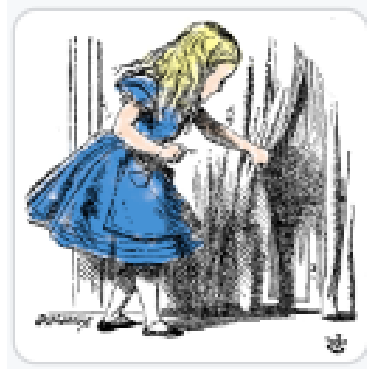
Se cierra el círculo



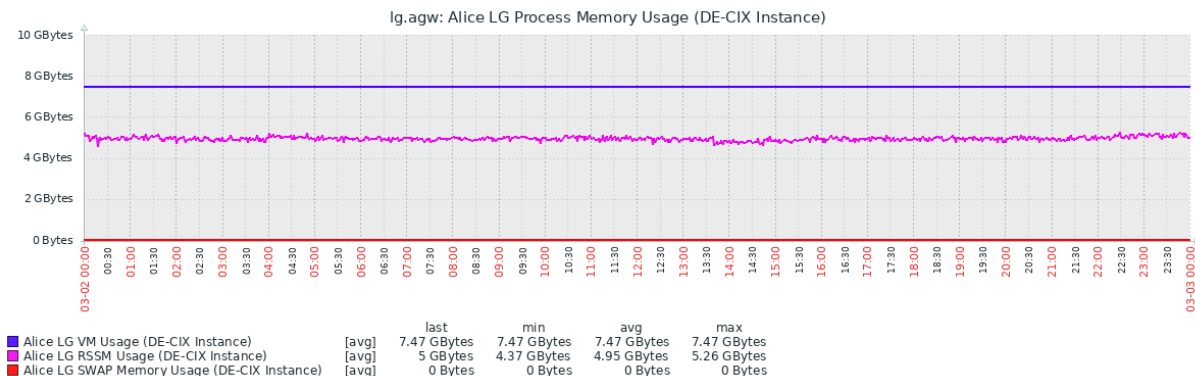
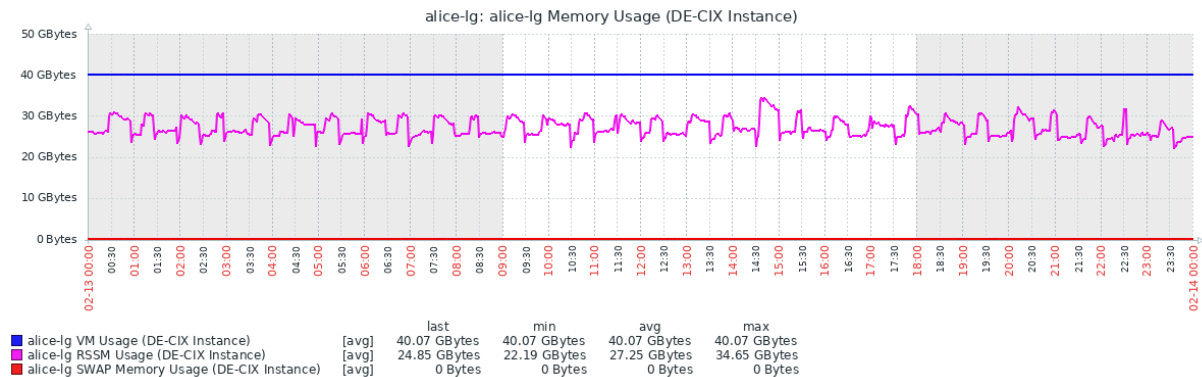
Looking Glass

→ <https://github.com/alice-lg/alice-lg>

→ Tras más de 1 año de mejoras: Release 6.1, 12-02-2024



Looking Glass update – para nosotros



Looking Glass update – para los usuarios

DEMO TIME

Pedir puertos de acceso



**CITA
CON UN
SALES REP**

**USA
NUESTRA API**

Pedir puertos de acceso



IX  API

- Collections
 - GET Admin-Token
- APIs
 - v1
 - v1 MAC address constraints
 - v1 Portal
- Environments
 - v1-decix-pricing-v1
- Mock Servers
 - v2
 - CRM
 - Network
 - Catalog
 - Cloud
 - Peering
 - Connection Workflow
 - GET Product Offerings
 - POST Create Connection
 - GET Get Connection
 - GET Get PortReservation
 - GET Loa Download port_reserva...
 - GET Loa Download connection
 - GET List Ports
 - POST Authentication
 - POST Refresh
 - v2 Mock
 - v2 Portal Calls Demo

v2 / Connection Workflow / Loa Download connection Save

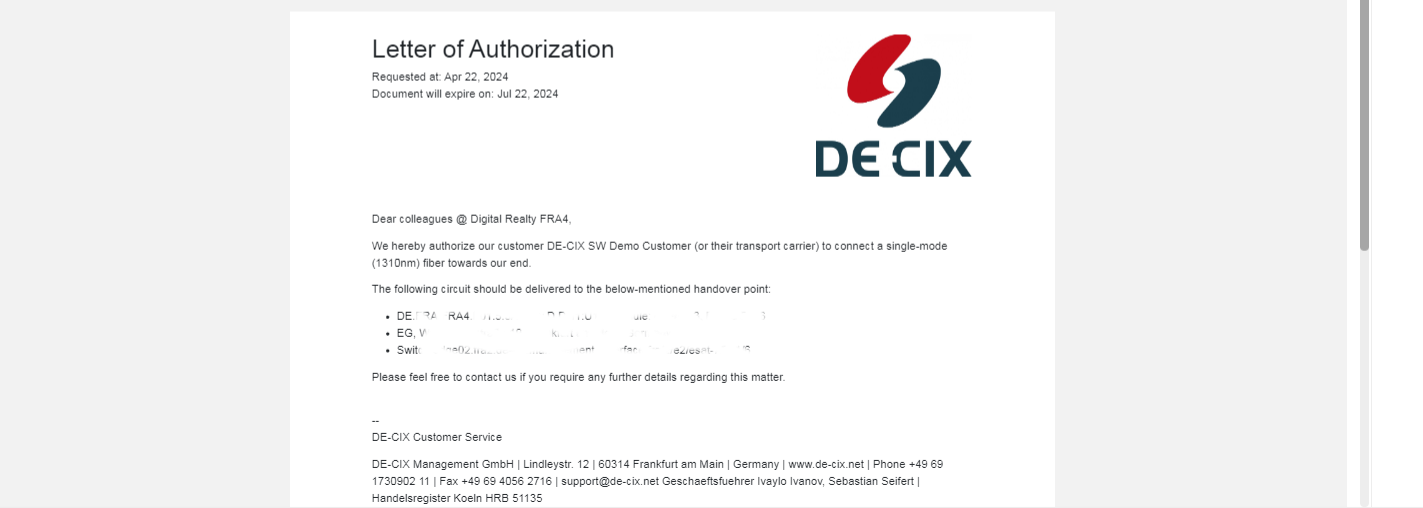
GET `{{host}}/api/v2/connections/2948330/loa` Send

Params Authorization Headers (7) Body Pre-request Script Tests Settings Cookies


Query Params

KEY	VALUE	DESCRIPTION	Bulk Edit
Key	Value	Description	

Body Cookies Headers (7) Test Results Status: 200 OK Time: 2.74 s Size: 74.22 KB Save Response



Letter of Authorization
Requested at: Apr 22, 2024
Document will expire on: Jul 22, 2024



Dear colleagues @ Digital Realty FRA4,

We hereby authorize our customer DE-CIX SW Demo Customer (or their transport carrier) to connect a single-mode (1310nm) fiber towards our end.

The following circuit should be delivered to the below-mentioned handover point:

- DE-FRA FRA4 Fiber ID: DE-CIX SW Demo Customer
- EG: V...
- Split: ...

Please feel free to contact us if you require any further details regarding this matter.

--
DE-CIX Customer Service

DE-CIX Management GmbH | Lindleystr. 12 | 60314 Frankfurt am Main | Germany | www.de-cix.net | Phone +49 69 1730902 11 | Fax +49 69 4056 2716 | support@de-cix.net Geschäftsführer Ivaylo Ivanov, Sebastian Seifert | Handelsregister Koeln HRB 51135



3. Provisioning

Your Access has been created

Continue to download your Letter of Authorization (LoA)



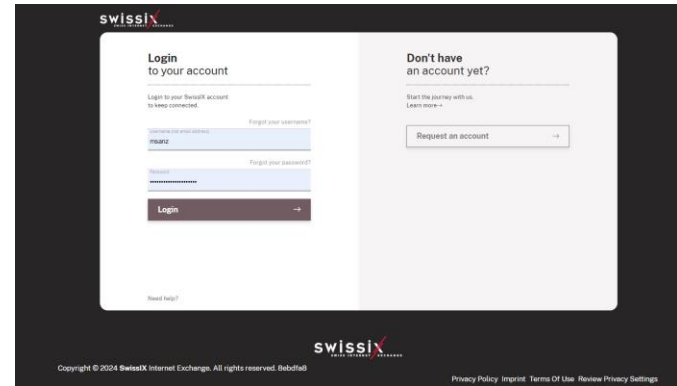
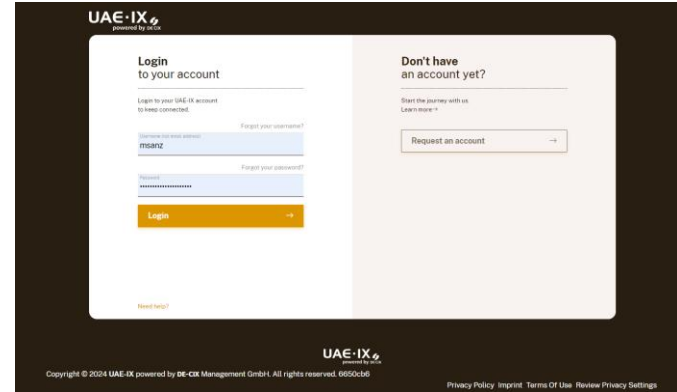
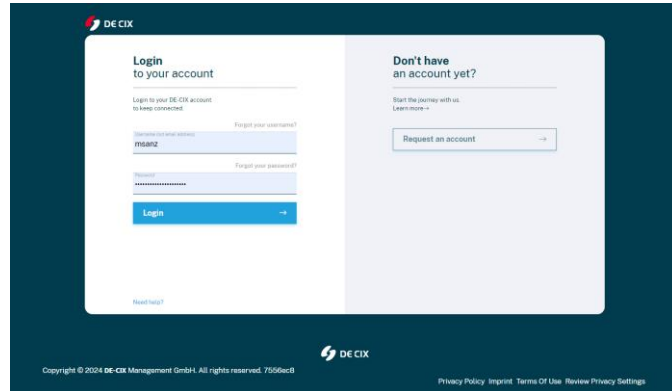
1. **Download LoA:** Check your email or download directly.
2. **Order Cross Connect:** Contact your datacenter provider.
3. **Check Access Status:** Check the status on the Access service details page and wait for an operational email notification.
4. **Need Support?** Email support@de-cix.net anytime.

[Download LoA](#)

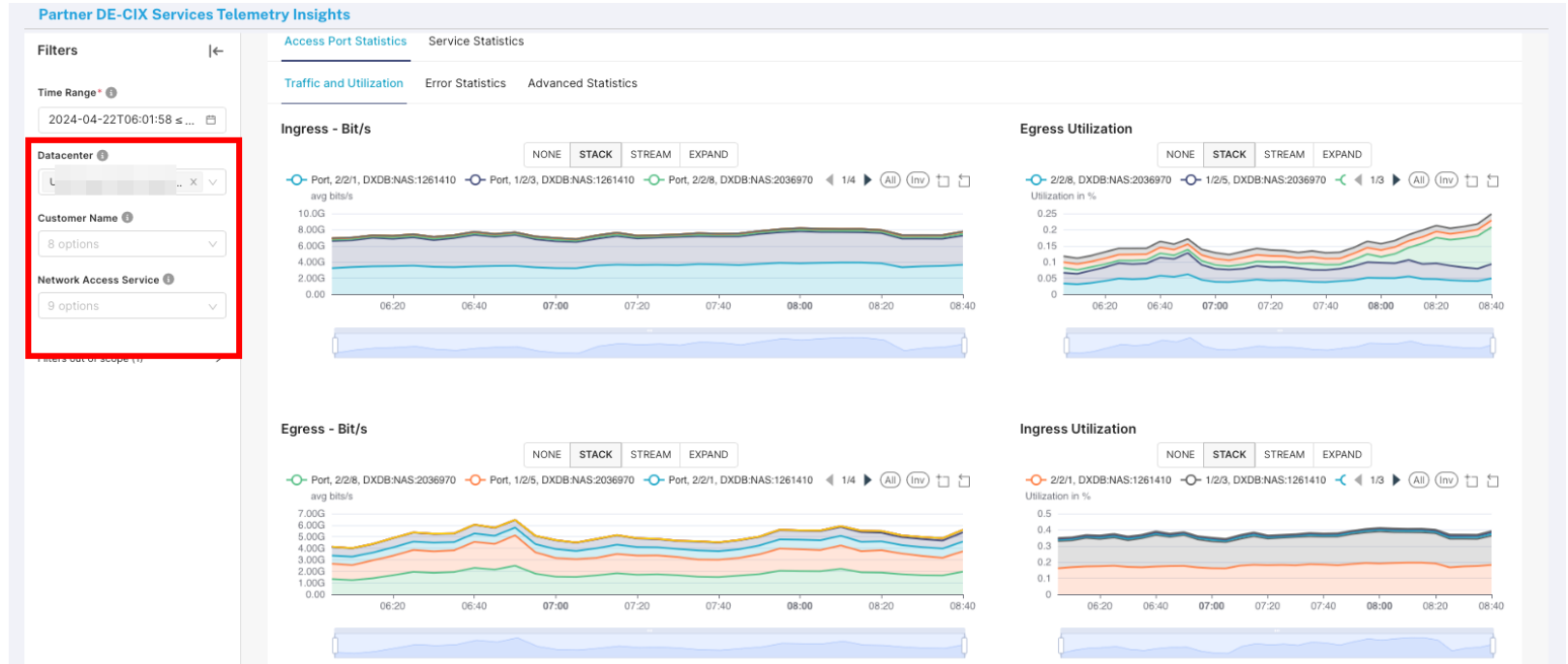
or

[Access Service details](#)

“IX-as-a-Service”



Insights para nuestros “IX-as-a-Service”



Christian Petrasch - Building a Big Data Platform with Open Source

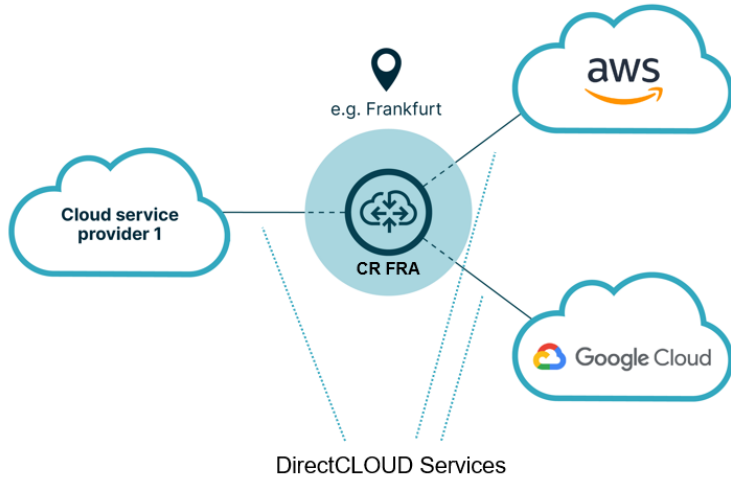
The slide titled "Final Cluster Structure" illustrates a data pipeline. On the left, "DE-CIX IXPs" (represented by a server rack icon) send "Telemetry + IPFix data" to "Goflow2". "Goflow2" then sends "Telemetry + IPFix data" to "kafka". Inside a central box representing the cluster, "kafka" feeds into a "Telemetry filter", which outputs "Filtered raw telemetry" and "Anonym. Raw IPfix". This data then goes to "ClickHouse". "ClickHouse" is also connected to an "Enrichment API" via "Flux Ddos + Anonymization". The "Enrichment API" sends data to "ClickHouse" for "Enrichment / Aggregation". "ClickHouse" provides data to "Superset" (labeled "Data Superset"), which is accessed by a "Customer / User" via a "Dashboard request". "Airflow" is also shown as part of the "Kubernetes" environment, connected to the "Enrichment API". The video player interface shows a progress bar at 16:34 / 23:55 and a speaker icon.



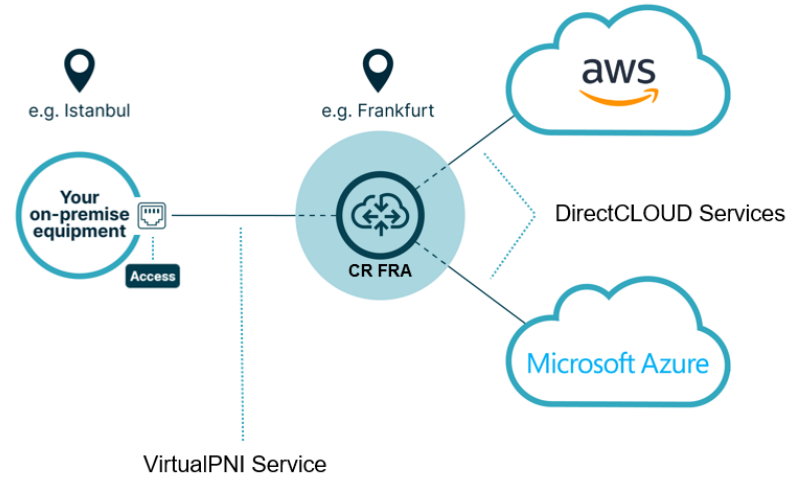
<https://ripe87.ripe.net/archives/video/1158/>

Recordatorio Cloud ROUTER

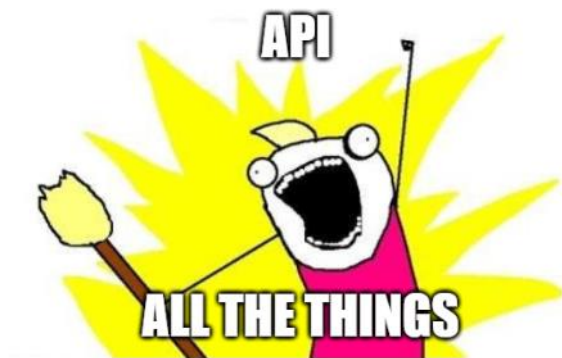
Multi-cloud setups



Hybrid-cloud setups



Siguientes pasos Cloud ROUTER



- Desestablecer sesiones BGP
- Crear y modificar *filtros de prefijos* (ingress & egress)
- Crear y modificar *penalties* (*AS-prepends* en egress & *local-preference* en ingress)
- *Visibilidad rutas* aprendidas/anunciadas de/a un vecino



Marcos Sanz Grossón
Head of Global Software

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marcos.sanz@de-cix.net | www.de-cix.net

*Gracias por la
atención*

