

# ANIX update

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**Maurizio Goretti**  
CEO Namex

**Arjan Xhelaj**  
Director RASH



# What is an **IXP** ?

Internet eXchange Points (IXPs) are:

- a **network facility** that enables the interconnection of more than two independent Autonomous Systems to facilitate the exchange of Internet traffic.
- IXPs are considered **core Internet infrastructure** and carry a growing percentage of the world's Internet traffic.

# The Internet Exchange Point of Rome & Mediterranean

## Almost 30 Years History



In began in 1995  
whitin the neutral  
Datacenter of a  
University  
Consortium in  
Rome



On a Voluntary  
base until 2001



NaMeX (Nautilus  
Mediterranean  
Exchange Point),  
established in 2001  
as a non-profit  
consortium of ISPs.

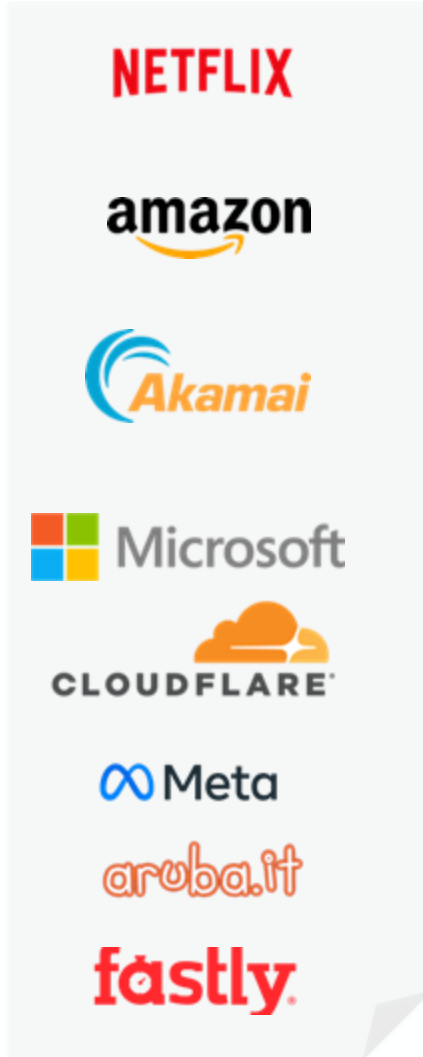


The new logo in  
2017 was designed  
to highlight the city  
where we operate.



# 2024 - 255 Networks Connected

## CONTENT PROVIDERS



NETFLIX

amazon

Akamai

Microsoft

CLOUDFLARE

Meta

aruba.it

fastly.

## INTERNATIONAL CARRIERS



cogent

HURRICANE ELECTRIC  
INTERNET SERVICES

colt

EXA

Arelion

中国电信  
CHINA TELECOM

vodafone

## ITALIAN ISPS



linkem | TISCALI

eolo

TIM

WINDTRE

RETELIT

ITGATE  
The best way to carry IP

Convergenze

Fiber Telecom  
THE NETWORK PARTNER

Fontel

CDLAN

FASTWEB

UNIDATA

IRIDEOS

iliad

## INSTITUTIONS, AGENCIES, RESEARCH



FUB  
Fondazione Ugo Bordononi  
Ricerca e Innovazione

Internet Office  
of the Holy See

enel

Consortium  
GARR

Terna



# NAMEX - The IXP of Rome

- Consortium of ISPs - **180**
- **Non for profit**
- Owned by ISPs
- Operational since **1995**
- **Neutral**

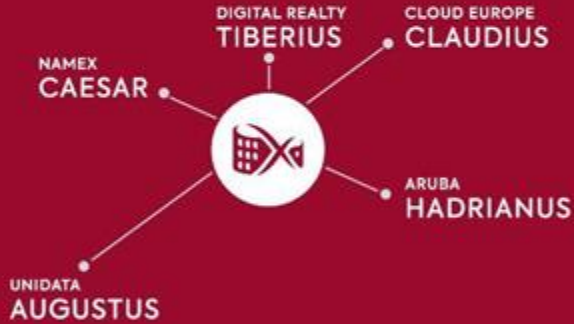




**NAMEX**  
ROMA INTERNET EXCHANGE POINT

# Your Mediterranean Internet Exchange Point.

## Rome Datacenters

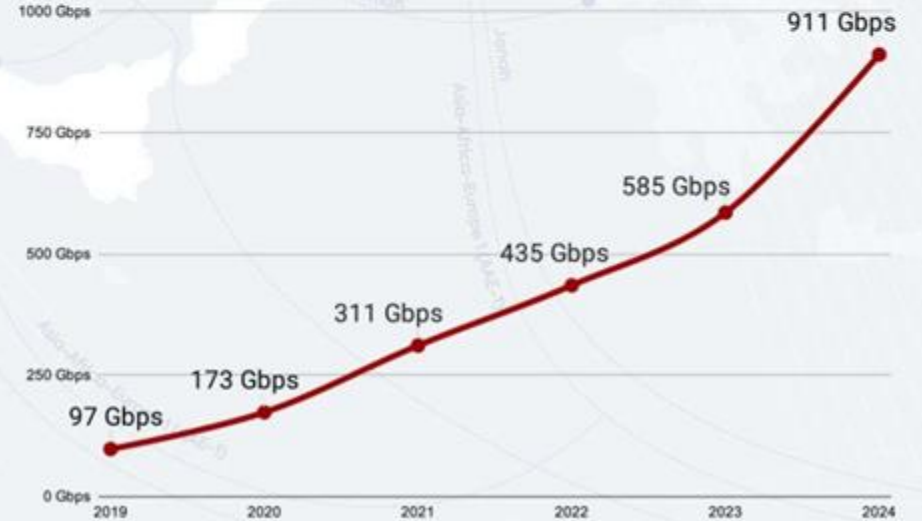


Think global,  
**connect local.**

**5** Datacenters | +1

**255** Networks | +19

**911** Gbps Current Peak | +24%





# Live streaming Football



# Towards **F**irst Terabit/s



**911, what's your emergency?**  
911 Operator

**It happened again!**  
Namex

**Pardon?**  
911 Operator

**The Internet traffic record. NAMEX did it AGAIN!**  
Namex

**NEW TRAFFIC RECORD!**  
**911 GBPS**

**NAMEX**  
ROMA INTERNET EXCHANGE POINT

Time	Out Max	Out Avg	In Max	In Avg	Cur
Wed 00:00	905.42G	386.60G	911.85G	386.78G	271.64G
Wed 06:00					
Wed 12:00					
Wed 18:00					271.24G
Thu 00:00					
Thu 06:00					



# NAM THE ANNUAL EVENT

Meet Mediterranean & International Community

600 Attendees



Don't miss the next one

Namex  
Annual Meeting

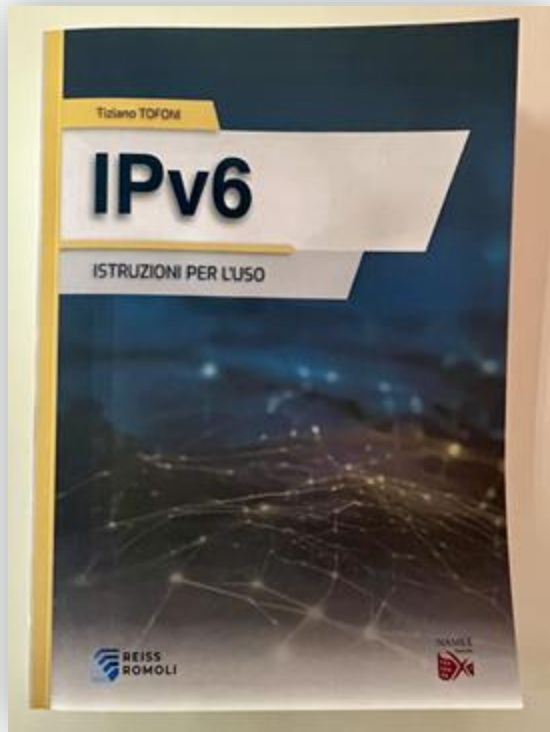
June  
2025!



ANIX Meeting 2024  
Tirana December 6th 2024





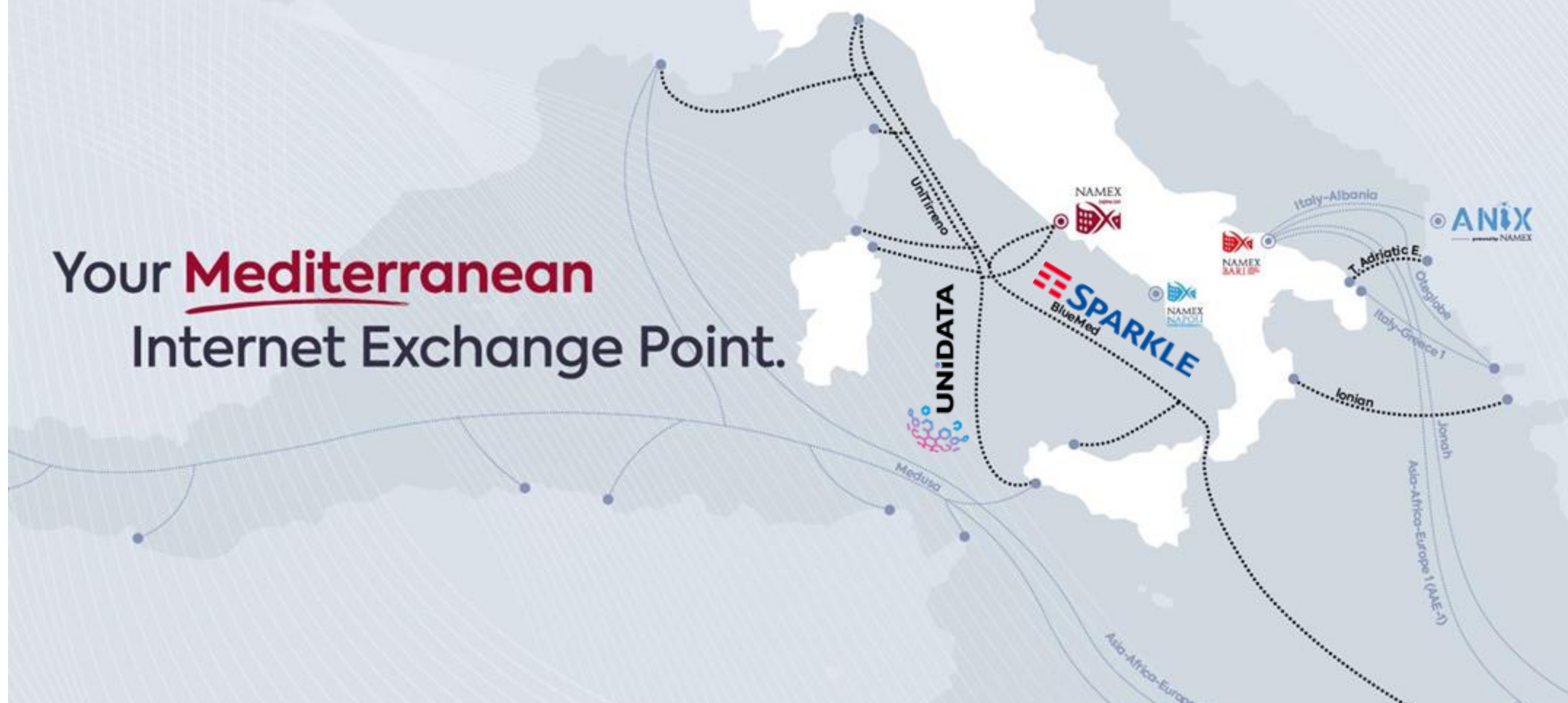


ANIX Meeting 2024  
Tirana December 6th 2024



# A the **Heart** of the **M**editerranean.

Your **Mediterranean**  
Internet Exchange Point.



**Albania.** A possible **low-latency** route to the **E**ast.



# Why an **IXP** in **Albania**?

- To keep Albanian traffic **local**

**A Namex & RASH  
pro-bono project**

# Before **ANIX** Existed: 2017

## Albania:

- **ISP-rich environment (51 ASNs)**
- **No neutral IXP**  
(one non-neutral IX managed by the incumbent)

## Where does local Albanian traffic go?

- Shkodër to Tirana: 70 km
- Traceroute:
  - Athens
  - London
  - Amsterdam
  - Hamburg
  - Prague
  - Bratislava
  - Budapest
  - Belgrade
  - Podgorica
- RTT: 108.7 ms



(Made with RIPE Atlas)

RIPE SEE6, 12 June 2017, Budva

# Why an **IXP** in **Albania**?

- To Keep Albanian traffic local
- **To build Communities of ISPs**
  - **To build personal connections**
  - **To exchange experiences**

**A Namex & RASH  
pro-bono project**



# ALNOF

**November 2017**

More than 100 attendees

50 Albanian ISPs and agencies



# ANIX is alive!

**March 2018**

**ANIX**  
Albanian Neutral Internet eXchange

Username:   
Password:   
[Login](#)

[Technical](#) [Home](#) [Statistics](#) [Looking Glass](#) [Join Anix](#) [Contact Us](#)

**\*<sup>4</sup> Ping RASH to ABCOM**

General Information Probes Map **LatencyMON** Results

RIPE Atlas ping measurement #11997147 to email.abcom.al From 2018-04-06 10:41 to 2018-04-06 15:07

Probe 28243 (AL)  
IP v4: 37.139.119.6  
AS: 57961  
Prefix v4: 37.139.116.0/22  
Target: email.abcom.al

Month	Out	In	Peak	Avg
May 2017	138.59M	99.24M		
Jul 2017	16.99M	15.39M		
Sep 2017	16.99M	15.39M		
Nov 2017	968.67k	958.53k		
Jan 2018				
Mar 2018				

Albanian Neutral Internet eXchange

# Why an **IXP** in **Albania**?

- To Keep Albanian traffic local
- To build Communities of ISPs
  - To build personal connections
  - To exchange experiences
- **To bring Global Content Providers to Local ISPs**

**A Namex & RASH  
pro-bono project**



# First Content Provider

December 2020



Facebook is active and is peering at ANIX, the Albanian IXP powered by Namex!



# Why an **IXP** in **Albania**?

- To Keep Albanian traffic local
- To build Communities of ISPs
  - To build personal connections
  - To exchange experiences
- To bring Global Content Providers to Local ISPs
- **To create a Wholesale Marketplace for ISPs**
  - **Create competition** and lower the prices
  - **To have a greater choice** of services

**A Namex & RASH  
pro-bono project**

# First International Transit Provider

March 2022

Hurricane Electric is active  
and is peering at ANIX,  
the Albanian IXP  
powered by NameX!



HURRICANE ELECTRIC  
INTERNET SERVICES





# First International Carrier

EXA is executing a targeted growth strategy to invest capital in new infrastructure in Southeast Europe

Several projects have been approved and are currently in implementation phase:

- New transport route between Crotona in Italy and Preveza in Greece, with extensions to Athens and Thessaloniki.
- Trans Adriatic Express. TAE is a seamless fiber backbone between the Greek/Turkish border and Marseille, connecting the major data centers of Southeast Europe. Thessaloniki and Athens are amongst the cities that will be connected to TAE.
- New transport route between Belgrade and Milan with new PoP in Zagreb.





# Why an **IXP** in **Albania**?

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  - To build personal connections
  - To exchange experiences
- To bring Global Content Providers to Local ISPs
- To create a Wholesale Marketplace for ISPs
  - Create competition and lower the prices
  - To have a greater choice of services
- **To create new market opportunities**

**A Namex & RASH  
pro-bono project**

# First **Italian** ISP present at ANIX

**October 2024**

**Rosario Pingaro** · 1st  
 Presidente & AD Convergenze S.p.A. SE  
 1mo · 🌐

Condivido con voi piccole emozioni.  
 Da un'idea nata ad Aprile da un viaggio con amici a Tirana, siamo  
 passati alla costituzione di Convergenze Sh.p.k. (Srl ...more

Show translation




**ANIX**  
 powered by NAMEX

👍❤️🔒 Flavio Luciani and 135 others · 14 comments · 7 reposts



**Rosario Pingaro presso UAibania- RASH**  
 8 apr · 🌐

Visita all'#Anix (powered by Namex, Rome's Int... Altro...

👍❤️🔒 Tu, Marco Marletta e altri 66 · Commenti: 1

👍 Love · 💬 Commenta · 📩 Invia · 🔄 Condividi

ANIX Meeting 2024  
 Tirana December 6th 2024

Convergenze

# ANIX Meeting 2022

108 attendees

60+ Companies from Albania, Kosovo and abroad

**“Connectivity: Albania and the Adriatic as a gateway to the Balkans”**

Panel with AKEP (regulator), Ministry of Infrastructure and Energy and operators

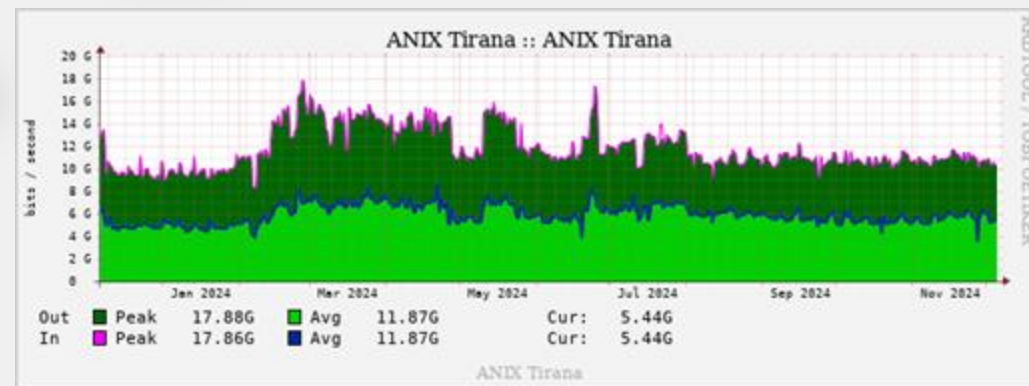


**December 2022**

# ANIX Today



- **Neutral IXP**
- **Albanian ISP Hub**
- **Carrier Neutral Datacenter**
- **19 Local ISPs**
- **3 Content Providers**
- **2 International Transit Providers**



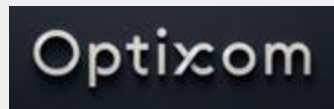




NETFLIX



Today



# Namex - RASH

ANIX Meeting 2024  
Tirana December 6th 2024







ANIX Meeting 2024  
Tirana December 6th 2024



# What to do next

- **To bring new international operators**
- To bring new Albanian operators
- To increase the importance of Albania as a crossroad of the Balkans
- To strengthen the community of Albanian ISPs.
- To contribute to the transition towards the European market.

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# Thank you

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