



34th Euro-IX Forum Guide

Toulouse, France

31 March - 2 April 2019

TOUIX

TouIX is a non-profit association supported by voluntary engineering efforts.

Ten small to medium CDN and ISP operators exchange traffic without interruption through an infrastructure present in three data centers Cogent - TLS00 - Zayo within the Toulouse Metropolitan area.



"All the Toulouse Internet eXchange members and France-IX have the great pleasure to welcome you in Toulouse, the capital of the Occitania Region for the 34th Euro-IX Forum."

TouIX was founded in 2005 by local Internet actors and maintained since then neutral stable services with the desire to sustained innovation and research promoting state of the art approach. Despite its modest size, it is distinguished in May 2015 as the first European IX operational in SDN OpenFlow, with the TouSIX project (Toulouse SDN Internet eXchange).



FRANCE-IX

France-IX is the Premier Internet Peering Service Provider in France, offering public and private interconnection services through its carrier and data centre neutral exchange points in Paris and Marseille.



France-IX interconnects several hundreds of telecommunications carriers, ISPs, content providers, content delivery networks and all other Internet networks worldwide with significant traffic in the Internet French market. This enhances the affordability and latency of the Internet traffic exchanged between its members and thus improves the overall quality of the Internet in France.

"Founded in June 2010 with the support of the French Internet community, France-IX is a member-based association whose core values are neutrality, sustainability, and constant improvement of the Internet."



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WHERE OPPORTUNITY CONNECTS



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THE ELASTIC NETWORK

JUNIPER
NETWORKS

EURO-IX PATRONS

Supporting IXPs

From partnerships and cooperation with IXPs to valued interaction with each other, Patrons play an integral role in the community.

Supporting Euro-IX

By supporting IXPs, Patrons support us!

We thank you for the support, time and various other support given throughout the year.

About Euro-IX Patrons

Find out more about our patrons.

34TH FORUM SPONSORS

Fullsave

Provider of connectivity for the
conference rooms



Tetaneutral

Tetaneutral - WiFi support



Alsatis

Communication

AD'OCC

AD'OCC - Logistical support
and sponsor



Invest & Trade in Occitanie



A Few Pointers

GETTING TO TOULOUSE

From Toulouse - Blagnac Airport

T2 Tramway line: Airport - Arènes - Palais de Justice:

Connects with the metro service at Arènes (line A) and Palais de Justice (line B) stations. Departures: every 15 minutes.

Journey time : Airport > Arènes : 21 minutes,
Airport > Palais de Justice : 32 minutes.

Tisséo Shuttle Bus: Airport - Coach station:

The shuttle bus operates every day except 1st May, with departures every 20 minutes.

Journey time: from 20 to 45 minutes depending on traffic.

Taxi:

Book a taxi from the airport to the city: call centre +33 (0)5 61 30 02 54

RESTAURANTS

Toulouse is gourmet! In its many restaurants, the pleasures of the dining table are plain to see. You must be sure to try a cassoulet with Toulouse sausage, foie gras and other delicious dishes of the South-West.

Find all the best restaurants of the city :
<https://www.toulouse-visit.com/restaurants>



What to do in the Region/ City

The banks of the River Garonne



One of the most beautiful views of the city features the Pont Neuf, the Hôtel-Dieu Saint-Jacques, the dome of La Grave and the River Garonne. Promenades or sunbathing; in the very heart of the city, you can enjoy the banks of the river, most notably, along the Promenade Henri-Martin and at the Place de la Daurade.

Cité de l'Espace Museum



The Cité de l'espace (City of Space) is a theme park focused on space and the conquest of space. It was opened in June 1997 and is located on the eastern outskirts of Toulouse, France. As of 2012, there had been more than 4 million visitors.

Cité médiévale de Carcassonne



The Cité de Carcassonne is a medieval citadel located in the French city of Carcassonne. Founded during the Gallo-Roman period, the citadel derives its reputation from its 3 kilometres (1.9 mi) long double surrounding walls interspersed by 52 towers. The town has about 2,500 years of history and has seen the Romans, Visigoths, Saracens and Crusaders.

Sunday Afternoon Tour

THE BEST WAY TO DISCOVER TOULOUSE!

Date: Sunday 31 March, 14:00 to 16:30

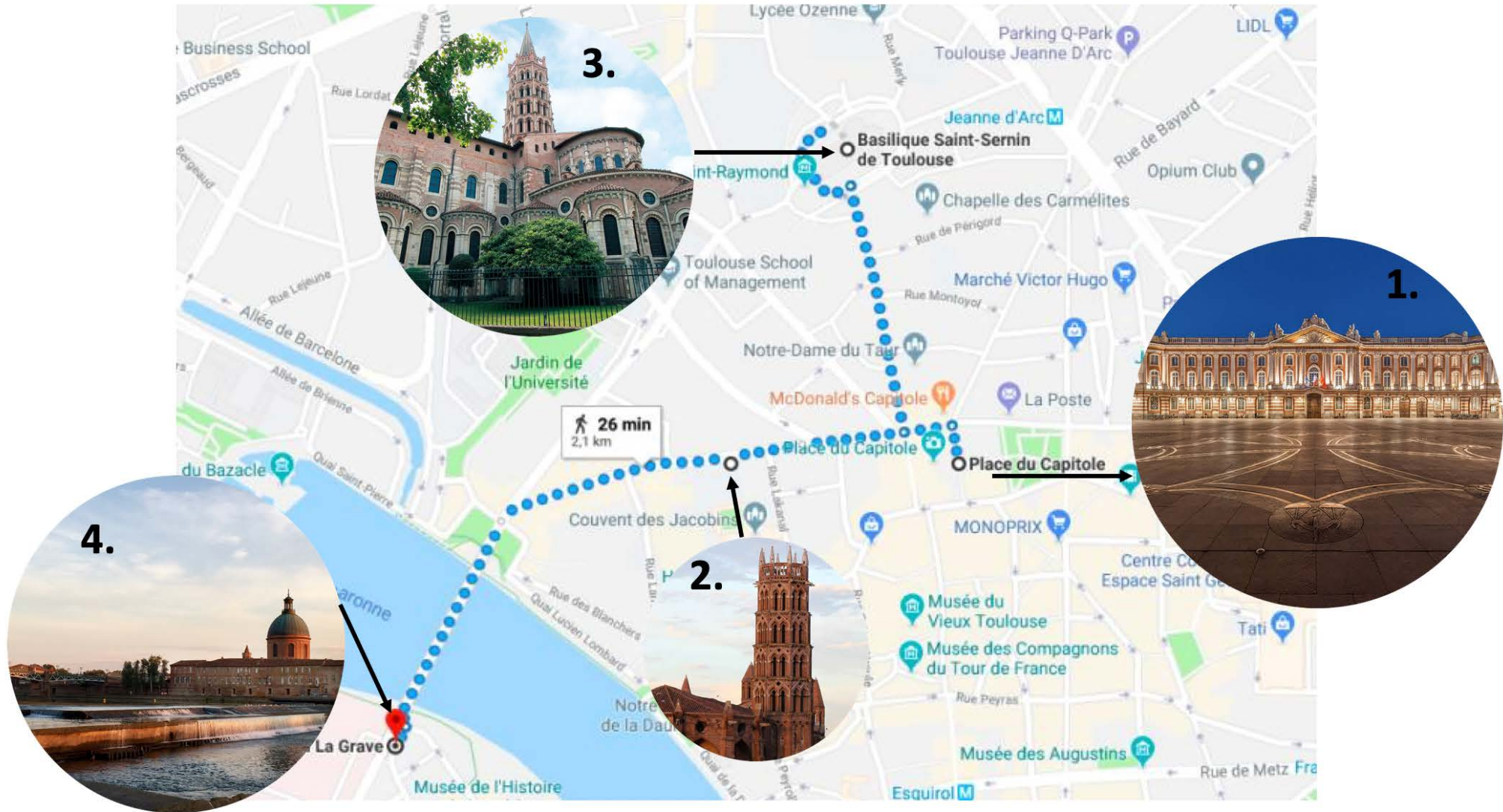
The tour begins from: Donjon du Capitole (tourist office)

This walking tour is dedicated to history, monuments and heritage as well as to some more unusual sights of the city.

« Toulouse is a brick and stone city nicknamed La Ville Rose and home to a wealth of architectural heritage »



Sunday Afternoon Tour



How to go to Donjon du Capitole from the Hotel

Date: Sunday 31 March, 14:00 to 16:30

By public transportation / ticket price: 1,70 €

13:14	→	Take Rue Dieudonné Costes for 46 meters.
13:15	🚶	Take Rue du Groupe D'Or for 62 meters.
13:16	🚶	Take Rond-point for 22 meters.
13:16	🚶	Take Avenue Didier Daurat for 62 meters.
13:17	🚶	Take Rue Jean Dufour for 75 meters.
13:19	🚶	Take Chemin piéton for 27 meters.
13:19	🚶	Take Rue Charles Lindbergh for 34 meters.
13:20	🚏	Board at stop Daurat.
13:20	T2	Take the tramway, line T2, towards Palais de Justice TOULOUSE.
13:40	🚏	Connection at the stop Arènes.
13:45	A	Take the metro, line A, towards Balma-Gramont BALMA.
13:50	🚏	Get off at stop Capitole.
13:50	↓	You arrive at Capitole (TOULOUSE) in 35 min



Forum Information

Radisson Blu Hotel

Address: 2 rue Dieudonné Costes, 31700 Blagnac

Directions to the hotel:

The hotel is within 5 minutes distance from Toulouse Blagnac Airport.

Shuttle:

There is a 24-hour shuttle to and from the airport, and is available courtesy of the hotel, upon request.

By car

From the motorway, follow signs toward Blagnac Aéroport. Take the Aéroport exit and at the first roundabout, take the second road to the right onto Dieudonné Costes Street.

By Train

The Toulouse Matabiau train station is located in the heart of Toulouse and is 15 minutes by car from the hotel.

The Flybus will take you from the train station to the airport.

The main conference room is called « **Icare** » located in the hotel, on the ground floor.



Access to the WiFi:

SSID: EUROIX34

Password: Toulouse



Forum Program

Sunday

14:00 – 16:30: Sunday afternoon tour

17:00 – 19:00: RPKI Workshop

19:30 – 22:30: Sunday Evening
Welcome Social

*For up-to-date information, visit the
forum page.

Monday

8:00 – 9:00: Registration

9:00 – 9:30: Opening and Welcome

9:30 – 10:00: Introductions

10:00 – 10:30: Euro-IX Update

10:30 – 11:00: Coffee Break

11:00 – 12:30: Technical Session 1

12:30 – 13:00: General Meeting

13:00 – 14:00: Lunch

14:00 – 14:15: Customer Views

14:15 – 15:30: Commercial Session 1

15:30 – 16:00: Coffee Break

16:00 – 17:30: Technical R&D Session

18:30 - 00:00: Gala Dinner

Tuesday

8:00 – 9:00: Registration

8:30 - 9:30: Meeting Maker Session

9:30 - 10:30: Commercial Session 2

10:30 - 11:00: Coffee Break

11:00 – 13:00: Technical Session 3

13:00 – 14:00: Lunch

14:00 – 15:30: Technical Session 4

15:30 – 16:00: Lightning Talks

16:00 – 16:30: Closing



Other Activities

RPKI Workshop

Don't miss out on the RPKI Workshop on Sunday!

The workshop will be a thorough introduction and is intended for people to understand the basics of RPKI.

The agenda will include;

- Why is Routing Security suddenly a hot topic?
- What is the problem with IRR?
- What is RPKI?
- Different elements of RPKI
 - Certificate Authorities
 - ROAs
 - Origin Validation
- Best Current Practices for IXPs

*For up-to-date information, visit the forum page.

Patron & Board Lunch

We welcome all Patrons to join the Board for an informal lunch on Monday 1 April, from 13:00 - 14:00, with dedicated tables in the lunch hall.

The lunch will give Patrons the opportunity to discuss the services received from Euro-IX and improvements Patrons would like to see.

Marketers Lunch

The Marketers Lunch will take place on Tuesday 2 April, from 13:00- 14:00. This will have dedicated tables within the lunch hall, and allow Marketers the opportunity to meet each other.

The lunch will be followed by a workshop, whereby individuals that are interested in forming a 'Marketers group' can introduce themselves, explain how their role relates to Marketing within their respective IX, and brainstorm areas that they would like to focus on with the group moving forward.

If anyone has any questions, or is interested in participating at the upcoming Euro-IX event or in the future, please subscribe to marketers@lists.euro-ix.net

34TH FORUM FELLOW

Kledi Andoni - Interim Representative,
Albania Neutral Internet Exchange
(ANIX)

Kledi got into networking since the first internet connections appeared in Albania in the mid 1990s. Since then, he has founded multiple ISPs and helped build others where he held senior technical and management roles. He has been responsible for the design and development of several national networks involving wireless copper and fiber.

Since January 2018, he has been serving as a technical and community point of contact for the newly established neutral IX in Albania ANIX.

In a climate of high competition and mistrust between the local operators, ANIX was able to create a harmonious environment that guarantees neutrality and attracts all the local traffic. In February 2019, the member ISPs and 5 more ISPs agreed to form the ANIX association within the month of May 2019. During the Euro-IX forum, ANIX wants to spread the word that there is an Internet Exchange open for business in Albania. We would like to invite international carriers and internet companies which have traffic flowing in and out of Albania to join ANIX as the best place to be close to the Albanian market.



"ANIX is the first and only neutral and not-for-profit Internet Exchange point in Albania which started operations with the first three peers connected in February 2018."



FELLOWSHIP SPONSORS:



Monday Dinner @ Aeroscopia

TOULOUSE IS AN ESSENTIAL STOP-OFF IN THE HEART OF THE SOUTH WEST OF FRANCE.

Date: Monday 1 April, 19:30 to 00:00

Once the capital of the Visigoths and now the capital of the air and space. In the Occitanie region, nearly 80,000 people make a living from the aviation industry.

That's why we chose the Aeroscopia Museum, the aeronautical museum for the gala dinner. This place is original and it represents perfectly the city. Plus, you have the dinner under famous planes like The Concorde!



Monday Dinner Program

SCHEDULE:

- 18:30: 1st shuttle from hotel to Aeroscopia
- 19:00: 2nd shuttle from hotel to Aeroscopia
- 19:30: Last shuttle from hotel to Aeroscopia
- 19:30: Welcome drinks & canapés
- 20:30: Dinner begins
- 22:30: Dinner ends
- 23.00: 1st shuttle back to the hotel
- 23:30: 2nd shuttle back to the hotel
- 00:00: Last shuttle back to the hotel

We hope you will enjoy the food of the South-West and this original place!



Finally...



Thank you to our hosts – ToulIX & France-IX!

Thank you to all Euro-IX Patrons & Toulouse sponsors; Fullsave, Alsatis, Tetaneutral, AD'OCC and Occitania Region and Fellowship Sponsors; InterLAN, VIX, RIPE NCC and the Internet Society.

Thank you to the FPC and all attendees!

In case of an emergency contact:
Rebecca: +44 7572 687 511
Justine: +33 7852 216 10

A Note From Euro-IX

We are excited to Welcome you all to the 34th Forum in Toulouse!

We wanted to say a special thank you to the FPC (Programme Committee) as they've done a great job this time again!

Not only was our agenda 95% complete a month ago, we have some fantastic speakers, presentations and side activities which we hope is useful for all our Members, Patrons and guests.

On the following page is a word cloud from our agenda, we think it highlights the top topics quite nicely. 😊

As always we are open to hearing your thoughts and ideas, please do contact us if you have any suggestions.

Safe travels and see you in Toulouse!



**Bijal
Sanghani**



Rebecca Class-Peter

euro-IX

#EUROIX34

