



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Capacity Building with the RIPE NCC Academy

RIPE NCC Days 2026

Table of contents



1.

What is the RIPE NCC Academy?

2.

Which topics do we offer?

3.

How the RIPE NCC Academy works

4.

Why learn and get certified in the Academy?

5.

Regional training statistics and information

6.

What is new in the Academy?



1. What is the RIPE NCC Academy?

What is the RIPE NCC Academy? academy.ripe.net



One stop shop for
learning and
getting certified

The screenshot shows the homepage of the RIPE NCC Academy. At the top, there is a navigation bar with the RIPE NCC Academy logo and name on the left, and a menu icon and user profile icon on the right. Below the navigation bar is a large hero image featuring a woman looking thoughtfully at a computer screen, overlaid with a network diagram of nodes and connections. The text on the hero image reads: "Build Skills, Get Certified" in large white font, followed by "Follow our courses and earn certifications to prove your skills." in a smaller white font. Below the hero image is a section titled "Choose Your Topic" with the subtitle "Find the next step in your career development. Select one of our topics and find the learning experience that fits you best." This section contains five topic cards arranged in a 2x3 grid (with the last cell empty). Each card has a colored icon, a title, a short description, and a "Learn more" link with a right-pointing arrow. The topics are: IPv6 (blue icon), Routing (purple icon), Measurements and Tools (blue icon), Internet Registry (orange icon), and Internet Governance (pink icon). A small red download icon is visible in the bottom right corner of the page.

RIPE NCC Academy

Build Skills, Get Certified

Follow our courses and earn certifications to prove your skills.

Choose Your Topic

Find the next step in your career development. Select one of our topics and find the learning experience that fits you best.

- IPv6**
Get ready for the future! Learn all about the new version of the Internet Protocol.
[Learn more →](#)
- Routing**
Routing is a key element of the Internet. Learn about its best practices and security.
[Learn more →](#)
- Measurements and Tools**
Learn to use RIPE NCC's network measurement tools and interpret data.
[Learn more →](#)
- Internet Registry**
As a Local Internet Registry, learn how to manage your Internet resources and how to operate the RIPE Database.
[Learn more →](#)
- Internet Governance**
Learn the mechanisms on how decisions are made in the Internet.
[Learn more →](#)

What is the RIPE NCC Academy? academy.ripe.net



190+ hours
of learning in the
Academy



30+ years
years of experience
providing training
about the Internet



67,000+
professionals trained



4.7 stars
out of 5 star rating
for our e-learning
modules



2. Which topics do we offer?

Our portfolio: Which topics do we offer?



IPv6

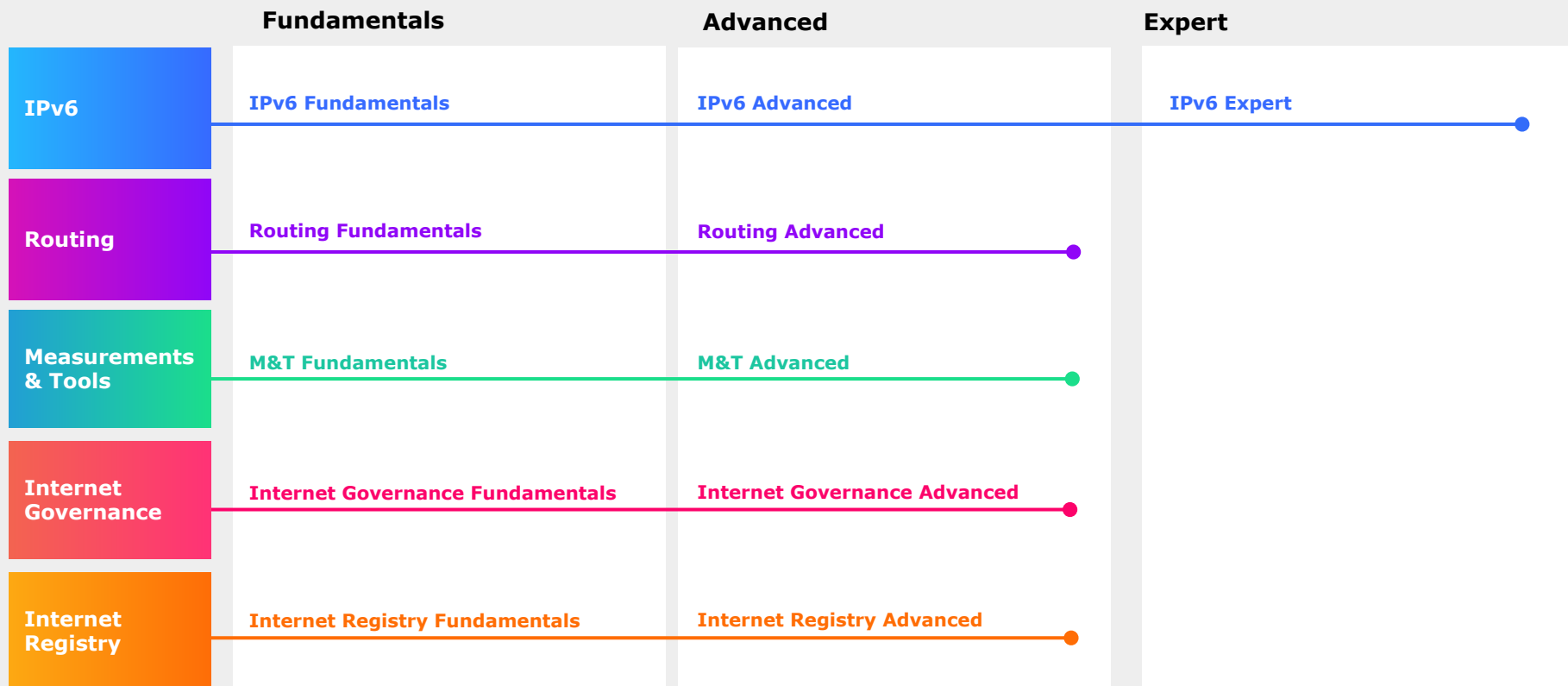
Routing

Measurements
& Tools

Internet
Governance

Internet
Registry

Our portfolio: At which levels?



Our portfolio: Example - IPv6



IPv6

Fundamentals

IPv6 Fundamentals

E-learning course

IPv6 Fundamentals

15h

Certification exam

IPv6 Fundamentals



In-Person course

IPv6 Fundamentals

8h

Webinars

Introduction to IPv6

2h

IPv6 in the RIPE Database

1h

Advanced

IPv6 Advanced

E-learning course

IPv6 Advanced

25h

Certification Exam

IPv6 Advanced (*coming soon*)



In-Person course

IPv6 Advanced

16h

Webinars

IPv6 Addressing Plan

1h

Expert

IPv6 Expert

E-learning course

IPv6 Security

25h

Certification Exam

IPv6 Security



In-Person course

IPv6 Security

8h

Webinars

Basic IPv6 Protocol Security

2h

IPv6 Security Myths, Filtering & Tips

2h

IPv6 Associated Protocols Security

2h

Want to see all learning paths?



<http://tiny.cc/5jm3101>

Works best on tablets/laptops



3. How the RIPE NCC Academy works

Where does the Academy fit into RIPE NCC's services?

RIPE Community		RIPE NCC Members
RIPE Labs	RIPE NCC Academy	IP / ASN
RIPEstat	RPKI	LIR Portal
K-root DNS	RIPE Database	General Meetings
RIPE Meetings & Regional Meetings	RIPE Atlas	

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Who can do what in the Academy?



In-person courses

Members

Webinars

Open and Free

E-learning courses

Open and Free

Certification Exams

Members 3 free exams/year

What does this look like in practice?



In-person courses

Members

Webinars

Open and Free

E-learning courses

Open and Free

Certification Exams

Members 3 free exams/year

- We give about **55 trainings** a year across approximately **25 destinations**.
- Providing about **600 hours** of in-person training a year.
- In 2025, we served **850+ learners** through in-person training.



What does this look like in practice?



In-person courses

Members

Webinars

Open and Free

E-learning courses

Open and Free

Certification Exams

Members 3 free exams/year

- 1-2 hour online webinars with a **live trainer**
- We deliver **30-35 webinars** a year
- For **600 participants** per year

Behind the scenes:

IANA: Global Internet Resources Pools

RIPE: Allocations

LIR: Allocations

ISP: sub-allocations

Users: Assignments

Video: [RIPE NCC]

Attendees: [List of names]

Chat: [Messages]

Demo 1 Lab Network

CUSTOMER

R1, R2, R3

POP

Video: [RIPE NCC]

Attendees: [List of names]

Chat: [Messages]



What does this look like in practice?

In-person courses

Members

Webinars

Open and Free

E-learning courses

Open and Free

Certification Exams

Members 3 free exams/year

- Currently **138 self-paced e-learning modules**
- **Interactive** - questions, videos, images and text.
- Include interactive **lab** activities in a virtual lab environment.
- +/- **24,000 module completions** a year

All the spam...

At Sandbox Inc. you keep receiving spam emails from the following IP address:

172.16.80.3

Find the abuse contact for this IP address in the [Training Database](#).

Type your text here

Submit

RIPE NCC Academy

Dashboard

Network diagram

Host A

```
root@host-a:~# ifconfig eth0:1 up
root@host-a:~# ifconfig eth0:1 172.16.80.1 netmask 255.255.255.0
root@host-a:~# ip netns exec ns1 nslookup 172.16.80.1
root@host-a:~# ip netns exec ns2 nslookup 172.16.80.2
root@host-a:~# ip netns exec ns3 nslookup 172.16.80.3
```

Host B

```
root@host-b:~# ifconfig eth0:1 up
root@host-b:~# ifconfig eth0:1 172.16.80.2 netmask 255.255.255.0
root@host-b:~# ip netns exec ns1 nslookup 172.16.80.1
root@host-b:~# ip netns exec ns2 nslookup 172.16.80.2
root@host-b:~# ip netns exec ns3 nslookup 172.16.80.3
```

Host C

```
root@host-c:~# ifconfig eth0:1 up
root@host-c:~# ifconfig eth0:1 172.16.80.3 netmask 255.255.255.0
root@host-c:~# ip netns exec ns1 nslookup 172.16.80.1
root@host-c:~# ip netns exec ns2 nslookup 172.16.80.2
root@host-c:~# ip netns exec ns3 nslookup 172.16.80.3
```

Available tools

- ping
- nslookup
- telnet
- netcat

Hosts

- Free free to realize terminal windows by dragging (does not work in Safari)
- To scroll inside the hosts, use Ctrl+L or click dragging/scrollbars. On a Mac, right-click on the host window, use Ctrl+L or click dragging/scrollbars. On a Windows, use Ctrl+L or click dragging/scrollbars.

What does this look like in practice?



In-person courses

Members

Webinars

Open and Free

E-learning courses

Open and Free

Certification Exams

Members 3 free exams/year

- Exams are **online** and proctored. They can be taken any time.
- We also offer exams at some **events**
- Get results instantly and earn a **digital badge**
- **+5,500 exams** taken all time, **3,650+ passed**





4. Why learn and get certified in the Academy?

Why learn and get certified in the Academy?



- Instruct in **best practices**
- Provide **practical knowledge**
- Contribute to a more **secure, stable, resilient** and **innovative** Internet
- Help with **career development**



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Making an Impact

Training & Certification

High Quality

Trusted and neutral source of information

- **Relevant** and **up-to-date** content tailored to **learners' needs**
- Involvement of **subject matter experts** in development
- **Sound pedagogical** methodologies
- **Engaging, interactive** and **accessible** learning experiences

Why learn and get certified in the Academy?



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Making an Impact

High Quality

Training & Certification

- **Relevant** and **up-to-date** content tailored to **learners' needs**
- Involvement of **subject matter experts** in development
- **Sound pedagogical** methodologies
- **Engaging, interactive** and **accessible** learning experiences

- Information **does not depend on economic or political interests**
- Focusing on **best current practises and standards**
- Using **open source** tools and materials

Trusted and neutral source of information



5. Regional training statistics and information

Previous in-person courses (from 2023 onwards)



Estonia:

Total in-person courses: **5**

Total participants: **86**

Topics: RIPE Database, BGP Security, LIR, IPv6 Security



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Estonia:

Total in-person courses: **5**

Total participants: **86**

Topics: RIPE Database, BGP Security, LIR, IPv6 Security



Latvia:

Total in-person courses: **4**

Total participants: **28***

Topics: IPv6 Advanced, IPv6 Security, BGP Security, IPv6 Fundamentals

**Excluding numbers of June 1-2 2026 trainings*

Previous in-person courses (from 2023 onwards)



Estonia:

Total in-person courses: **5**
Total participants: **86**

Topics: RIPE Database, BGP Security, LIR, IPv6 Security

Lithuania:

Total in-person courses: **2**
Total participants: **26**

Topics: IPv6 Advanced, IPv6 Security



Latvia:

Total in-person courses: **4**
Total participants: **28***

Topics: IPv6 Advanced, IPv6 Security, BGP Security, IPv6 Fundamentals

**Excluding numbers of June 1-2 2026 trainings*

Upcoming in-person courses



Lithuania:

Vilnius, 26-28 August 2026

Topics: IPv6 Fundamentals, RIPE Database, BGP Routing Security



Register now!

Scan the QR code or go to:
learning.ripe.net/w/upcoming

IPv6 Fundamentals



RIPE Database



BGP Routing Security



RIPE NCC Academy certification exams passed per country



RIPE NCC Academy certification exams passed per country



Did you know you can take an exam for free at this event?



Go to the registration desk or scan the QR code to register!



6. What is new in the Academy?

New RIPE NCC Academy (Launched May 2026)



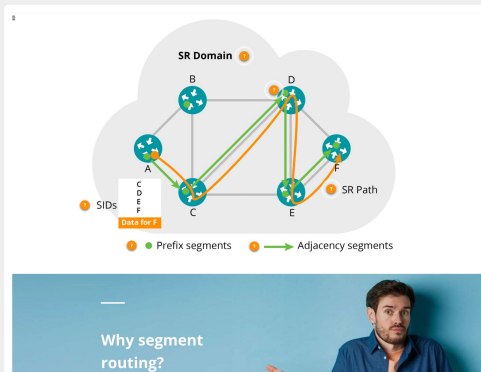
- Bringing all modalities (in-person courses, webinars, e-learning, exams) **together in one space.**
- **Topics first** approach: Find what you need based on the topic and level, rather than the modality.

The image displays two screenshots of the RIPE NCC Academy website. The top screenshot shows the 'Internet Governance' page, which has a red header and navigation tabs for IPv6, Routing, Measurements and Tools, Internet Registry, and Internet Governance. The bottom screenshot shows the 'IPv6' page, which has a blue header and navigation tabs for IPv6, Routing, Measurements and Tools, Internet Registry, and Internet Governance. Both pages feature a 'Learn how to deploy IPv6 adapted to your infrastructure and use cases' section with course cards for 'IPv6 Advanced E-Learning course' and 'IPv6 Advanced Certification Exam'.

IPv6 Advanced Course (Launched February 2026)



- Learn to design an IPv6 infrastructure to help **deploy IPv6** across various network types and architectures
- **15 modules** and **8 practical lab activities**
- Coming this year: IPv6 Advanced **certification exam** and a new segment routing (**SRv6**) lab



Deploying IPv6 in enterprise networks

- Step 1**
Assess network requirements
- Step 2**
Choose transition strategy
- Step 3**
Build a cross-functional team
- Step 4**
Assess your existing IT components
- Step 5**
Prepare your IPv6 addressing plan
- Step 6**
Choose a routing protocol
- Step 7**
Execute your plan

Want to read more?

Have a look at the European Telecommunications Standards Institute's (ETSI) document on [IPv6 deployment for enterprises](#) and Infoblox's [blog post](#) about IPv6 enabled access networks for enterprises.

Link: academy.ripe.net/ipv6-advanced



Questions & Comments



academy@ripe.net



"Yet another **fantastic RIPE course**. The trainers were obvious experts in their fields and brought their knowledge and expertise with them.

I'm never disappointed or left with questions after these courses."

*Andrew
IP Core Manager*

"This course **exceeded all my expectations** and kept me engaged throughout the day. I am very satisfied with the material and the instructors.

The **labs were great** and I really can't overstate how happy I am with the course in its entirety."

*Tomas
Network Engineer*



It's been amazing on this course.
The **choice of topics are phenomenal** and the knowledge of trainers is awesome. Would highly recommend this course.

Vikrant

Thank you very much for the training! **Amazing trainers** and conference room! I would be glad to attend these trainings in the future!

Lilia

Telecommunications engineer