



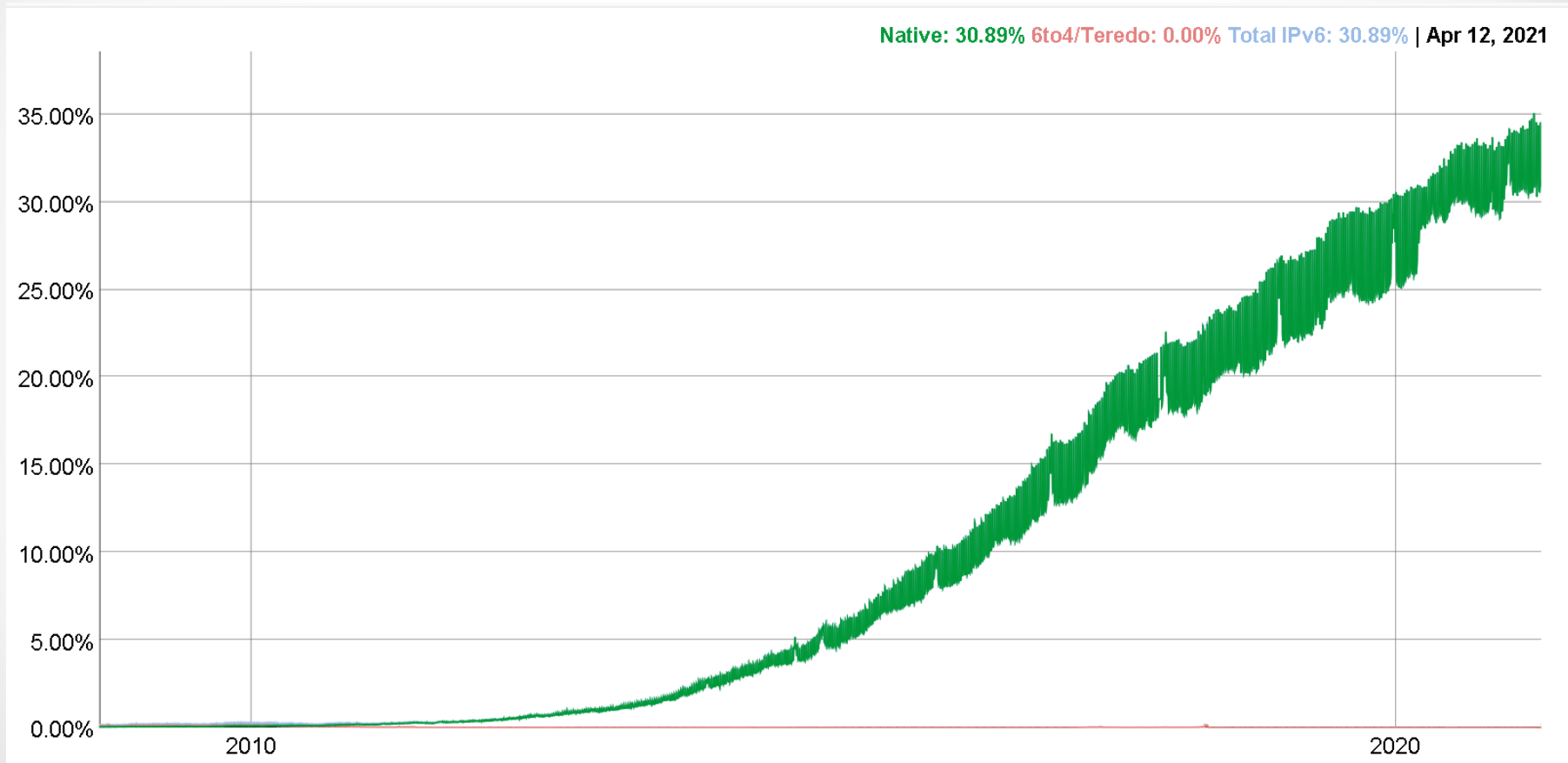
IPv6 transition plan in Montenegro

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Global status of the use of IPv6 addresses



Source: <https://www.google.com/intl/en/ipv6/statistics.html>

Status of the use of IPv6 addresses in Montenegro

- There have been registered **22** ASs at RIPE, in Montenegro, with a special ASN owned by **17** entities;
- **13** ASs (**59.1%**), which is 12 entities, have IPv6 addresses;
- **3** ASs (**13.6%**) have globally visible IPv6 addresses;
- It has existed since January 2021. some services available on IPv6 addresses in Montenegro;
- It has existed since January 2021 registered IP traffic by IPv6 protocol.

National plan for IPv6 Transition

- The Agency for Electronic Communications and Postal Services (EKIP) initiated procedure for developing Plan of transition to IPv6 protocol in Montenegro (2018.)
- The **Plan of transition to IPv6 protocol in Montenegro** was completed on 24 January 2019.
- The Plan was promoted 2019. and 2020. (Infofest, RIPE SEE8, IT conference)
- Available at address:

<https://www.ekip.me/izvjestaji/ipv6.php>

Contents of the Plan 1/2

1. Implementing IPv6 – advantages and challenges
2. The analysis of the current status of IPv6 protocol implementation in Montenegro and existing challenges
3. The analysis of potential methods of implementation of IPv6 – advantages and disadvantages
4. Security and privacy challenges of IPv6 implementation

Contents of the Plan 2/2

5. Experiences of IPv6 implementation (EU, USA, Japan and China)

6. Analysis of the scenario for implementing IPv6 in Montenegro from technical and economic aspects (especially for private and public sector)

7. Recommendations for IPv6 implementation in the public institutions of Montenegro

8. IPv6 implementation plan for the Montenegrin academic network (AMUCG)

Recommended Plan for IPv6 Transition 1/2

- Establishing a national body („IPv6 task force“) which will make an action plan for the transition to IPv6, coordinate activities, promote and monitor this process
- Promotions of the advantages of IPv6 protocol and education on transition techniques for the entities at all levels of the public administration and residential users
- Realization of survey with the operators regarding their IPv6 transition plans.
- Develop guidelines for IPv6 transition implementation and their formalization in order to be used in public institutions

Recommended Plan for IPv6 Transition 2/2

- Establishing a laboratory within AMUCG data centre, necessary for IPv6 transition testing
- Drive the agile IPv6 transition in the AMUCG network (dual-stack mechanism) as pilot project for making the documented experiences and knowledge which are further applicable in other public institutions
- Preparing the particular transition project for public institutions based on the Pilot project and activities of the AMUCG
- Implementation of IPv6 transition in public institutions

Instead of a conclusion and introduction to the panel

- New IP protocol - IPv6 will be implemented sooner or later, regardless of the our activities
- Montenegro has decided to have a proactive approach in this field and everything we do is part of that approach
- In the Plan are given suggestions for choosing scenarios for relevant entity groups in Montenegro, along with a number of generalized technical recommendations necessary to be implemented with detailed planning of each particular solution
- Some activities have been realized and some are in progress ...



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Panelists :

- **Dušan Krkotić**, Ministry of Public Administration, Digital Society and Media, Montenegro

- **Branko Milošević**, Head of Sector for IP and Transport Networks, Crnogorski Telekom

“IPv6 in the network of Crnogorski Telekom”

- **Peđa Radonjić**, Senior IP Transport Network Specialist, Telenor Crna Gora

“Implementation of IPv6 in Telenor's mobile network ”

- **prof. Zoran Veljović PhD**, University of Montenegro
“5G and IPv6”