

**IPv6** 5 luglio  
**LOTTINO**

# SRv6 nella pratica

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## Agenda

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- SRv6 update
- Why you need SRv6
- Lab start





## SRv6 update 1/2

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#ITNOG7 – May 10th, 2023

[https://www.itnog.it/itnog7/files/16-20230505 Presentazione SRv6 Lab ITNOG Final.pdf](https://www.itnog.it/itnog7/files/16-20230505_Presentazione_SRv6_Lab_ITNOG_Final.pdf)

#NAM23 – June 7th, 2023

*.... the story continues*





## SRv6 update 2/2

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MPLS SD & AI Net World Congress 2023 - Paris  
EANTC InteropTest

<https://eantc.de/fileadmin/eantc/downloads/events/2023/EANTC-InteropTest2023-TestReport.pdf>

IAB (Internet Architecture Board) Statement on IPv6

<https://www.iab.org/2016/11/07/iab-statement-on-ipv6/>

Conclusion:

**IPv6 is future;**

**IPv4 Global Address Block is depleted, standards are sun-setting;**



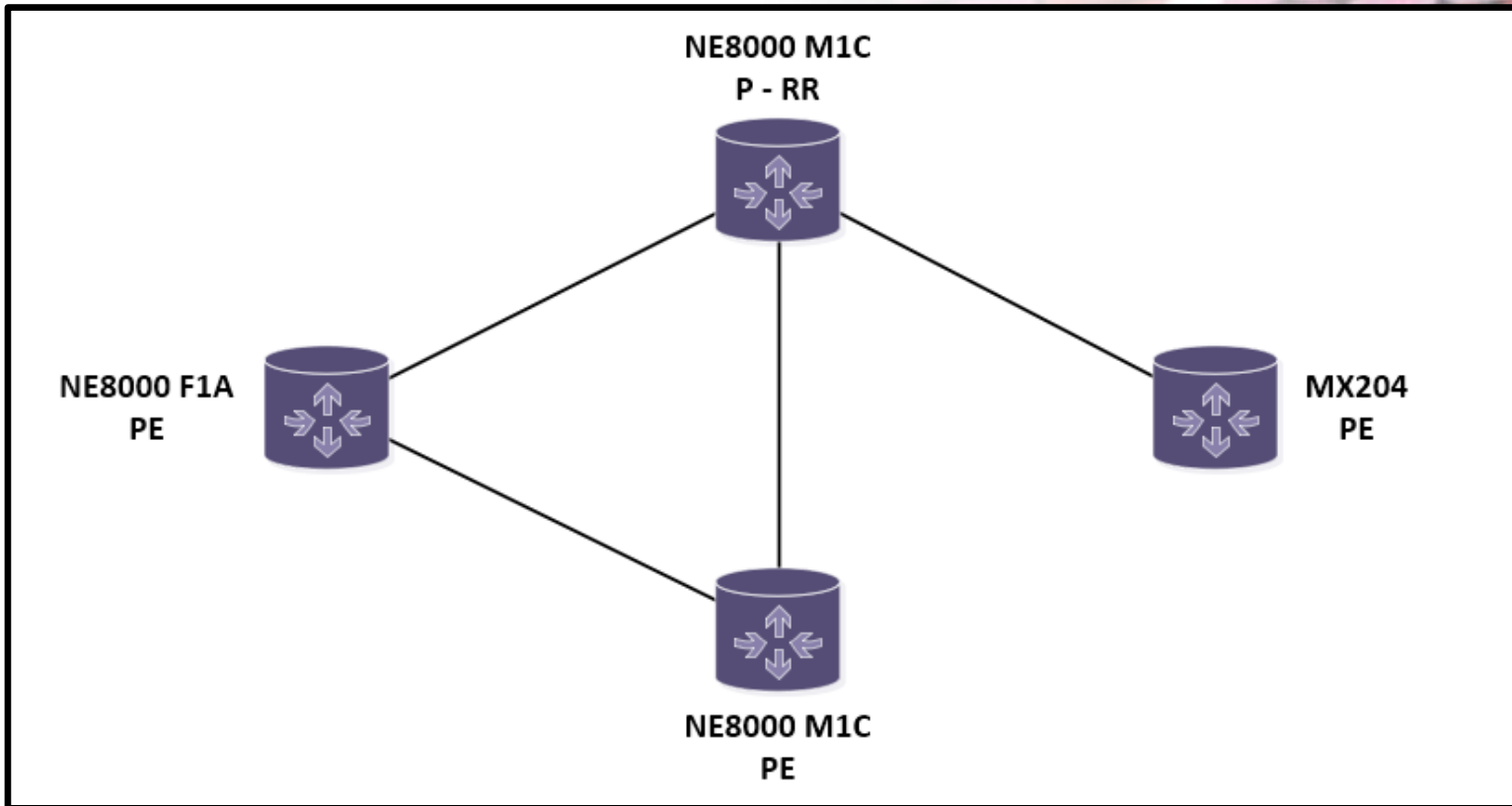
## Why you need SRv6

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- Forwarding plan is only SRv6 SRH IPv6 (no label)
- Network scalability independent from network elements
- Easier: Only IPv6, Less configuration, Easy Planning
- Load balancing is native flow label on IPv6
- Artificial Intelligence ready: path programming & application aware programming



## Our SRv6 Lab



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**Thank  
You  
Folks**