

# User Controlled SD-WAN Services using SRv6

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Speaker: Giulio Sidoretti



TOR VERGATA  
UNIVERSITY OF ROME

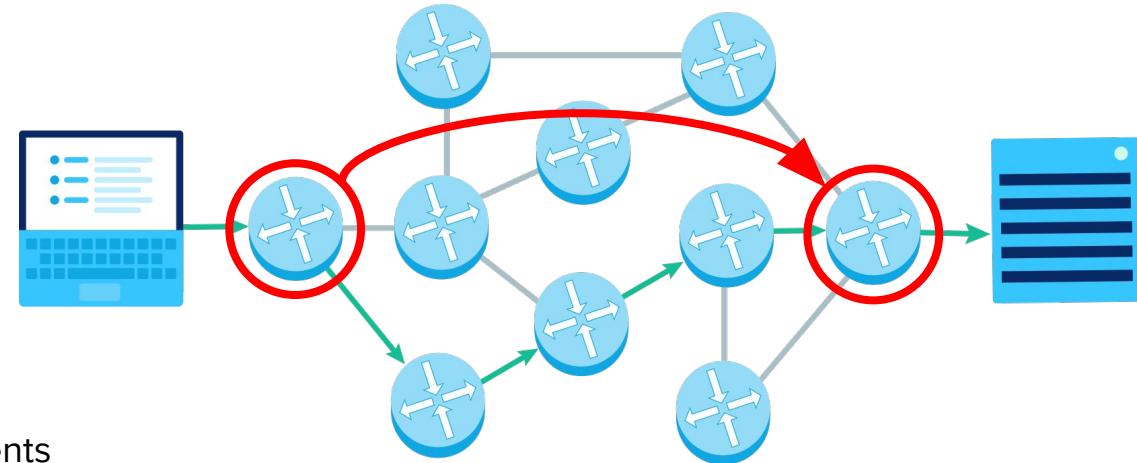
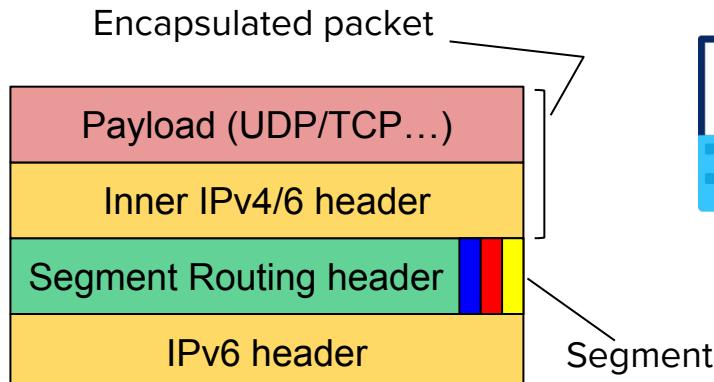


# Objectives

- VPNs created/controlled by the users
- Zero-touch provisioning
- Automatic monitoring of delay
- Use IPv6 for transport, carry IPv4 and/or IPv6
- Assess the end-to-end feasibility of IPv6 transport

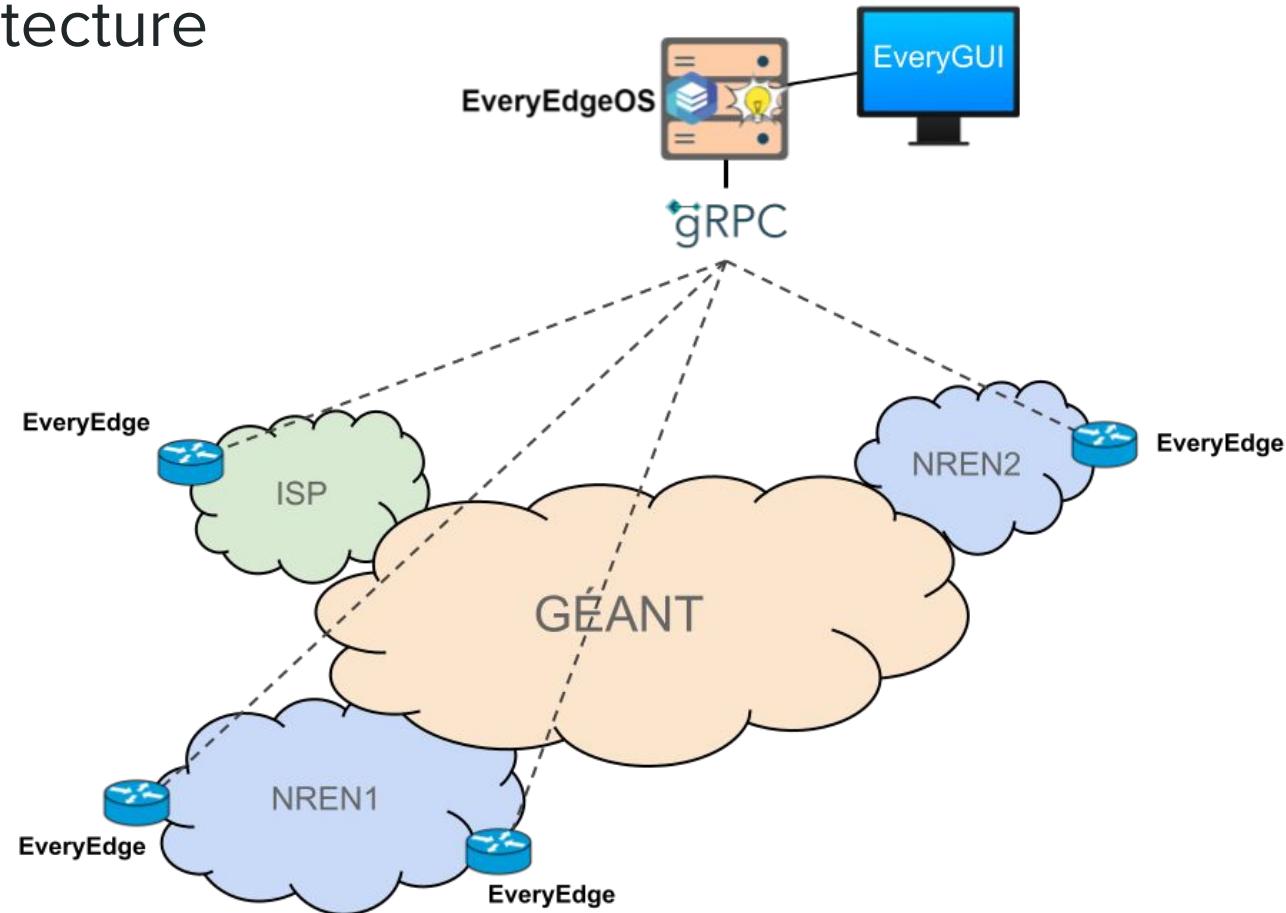
# SRv6 (Segment Routing over IPv6)

- Source Routing
- Traffic engineering
- Virtual Network Functions (VNFs) Chaining
- Tunneling (VPNs)



# EveryWAN Architecture

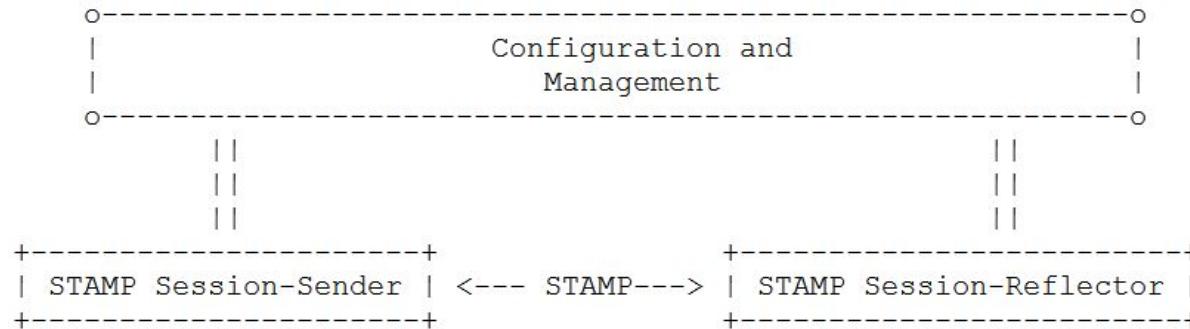
Open source  
toolset for SD-WAN  
with SRv6



# Delay Monitoring

## Simple Two-Way Active Measurement Protocol (STAMP)

- Measurement session initiated by controller between two edge nodes
- STAMP UDP packet encapsulated in SRv6

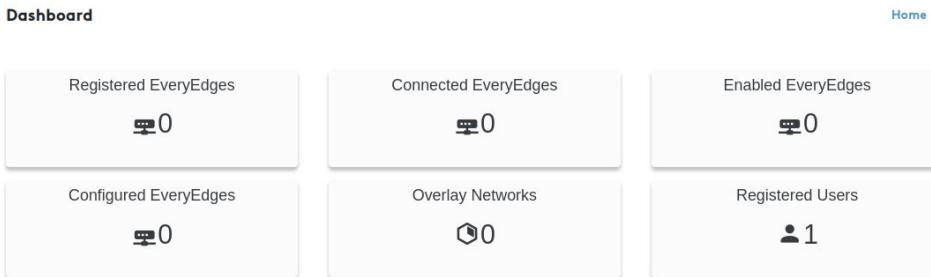


# GUI



Beep Beep  
Tenant: ACME corp.

- [Dashboard](#)
- [EveryEdge routers](#)
- [Overlay Networks](#)
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Configure the edge devices

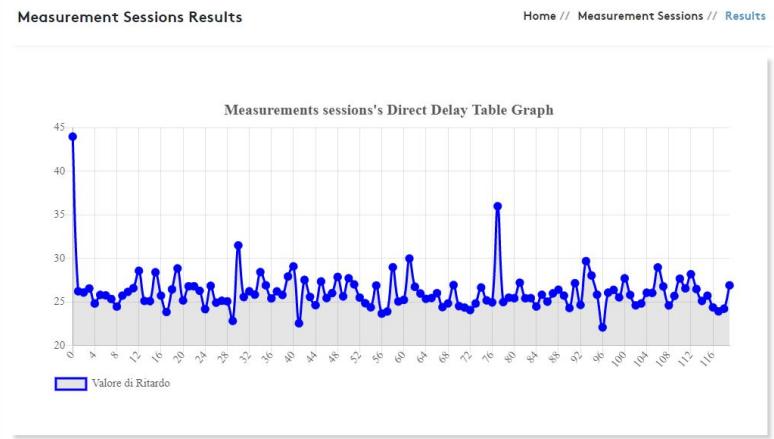
Configure VPN services

Visualise delay monitoring results



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# Thank you

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UCSS and EveryWAN Team

Paolo Lungaroni

Carmine Scarpitta

Giulio Sidoretti

Francesco Lombardo

Andrea Mayer

Stefano Salsano

Marco Bonola



TOR VERGATA  
UNIVERSITY OF ROME