M-Root Update

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Thank you, APIX community,
for your support in deploying M-Root!

Update of M-Root deployment since 2020

	City/Country・Economy: connected IX etc	# of locations
2020	Brisbane/**AU**:MegaIX,QLD-IX	**1**
2021	Hanoi/**VN**:VNNIC	**1**
2022	**GU**:MARIIX, Kuala Lumpur/**MY**:MyIX, Bangkok/**TH**:BKNIX, **SG**:Equinix, SingAREN-SOE	**4**
2023	Kaohsiung/**TW**:TWIX,**TPIX**,Jakarta/**ID:**IIX,OpenIXP,**AIX**,**JKT-IX**, Ulaanbaatar/**MN1:**MISPA-IXP, **HK:**HKIX, Phnom Penh/**KH:**CNX	**5**
2024	Dhaka/**BD**:BDIX, Kathmandu/**NP**:NPIX, Lahore/**PK**:PKIX, Mumbai/**IN**:NIXI, ~~Kolkata/**IN**:Kolkata IX~~, Malé/**MV**:MVIX	~~**6**~~ **5**
2025	Colombo/**LK**:Dialog, Hamilton/**NZ**:REANNZ,ALK-IX,WLG-IX, CHC-IX, MegaIX Auckland, Bucharest/**RO**:InterLAN-IX, Almaty/**KZ**:JSC Kazakhtelecom	**4**
2026 (Equipment delivered)	Jinan/**CN**:CNNIC, Vientiane/**LA:**LANIC, Kalkata/**IN**:Balaji-IX, Alofi/**NU**:Telecom Niue, Thimpu/**BT**:BTIX, Teheran/**IR**:ITO, Wuhan/**CN**:CERNET, Funafuti/**TV**:Tuvalu Telecom	**8+α**

+ We are working on the deployment with GetaFIX, DE-CIX Indonesia/ASEAN

(※) 30 countries/economies in Asia, 26 in Oceania of APNIC service region

RIPE Atlas **Colombo/LK**

https://atlas.ripe.net/probes/7595/results/builtins4

Anchor 7595

OREL I T (Pvt) Ltd is **Connected** (since 2025-11-26 14:39:59 UTC)

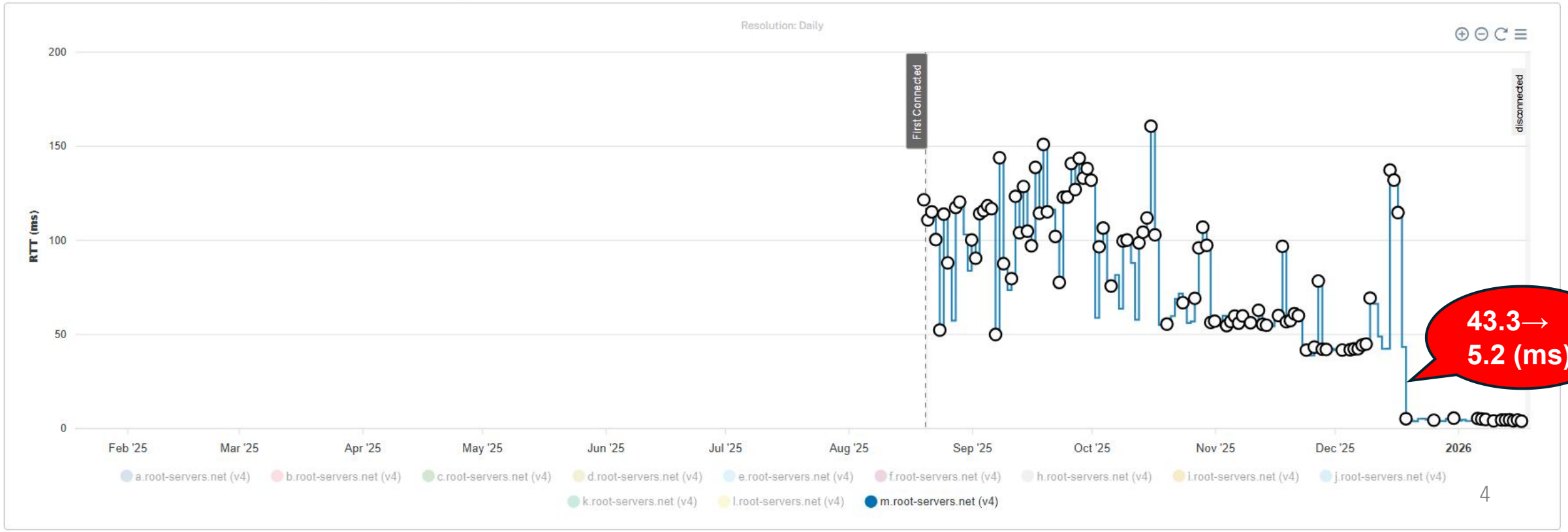
OVERVIEW | ANCHOR | NETWORK | RESULTS

Well-known | Built-ins (v4) | Built-ins (v6)

Zoom: Last year

Packet Loss | Y axis scale | Failures | 95th %ile

Click any point for traceroutes



43.3→ 5.2 (ms)

RIPE Atlas **Hamilton/NZ** https://atlas.ripe.net/probes/51455/results/builtins4?zoom=1y

Probe 51455

Devoli Wellington New Zealand is **Connected** (since 2025-11-26 14:14:49 UTC)

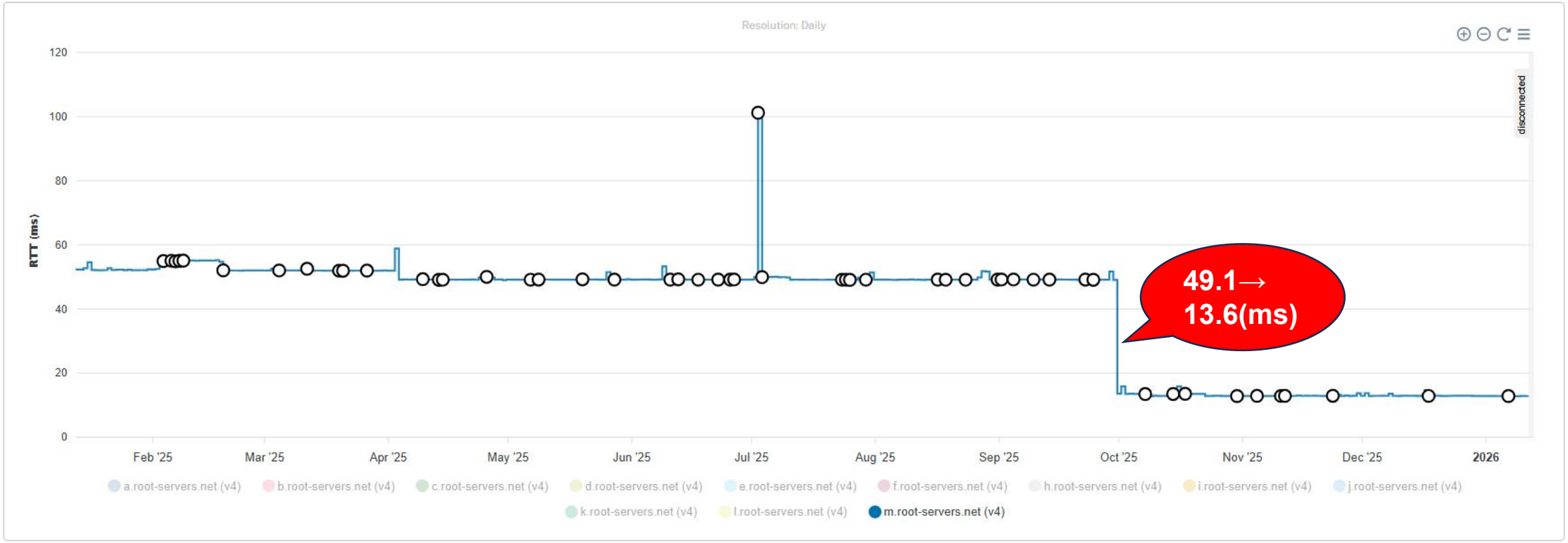
OVERVIEW | NETWORK | RESULTS

Well-known | Built-ins (v4) | Built-ins (v6)

Zoom: Last year

Packet Loss | Y axis scale | Failures | 95th %ile

Click any point for traceroutes



RIPE Atlas **Bucharest/RO**

https://atlas.ripe.net/probes/1012803/results/builtins4?zoom=1y

Probe 1012803

Atlas Probe deployed in Cluj-Napoca, Romania on WECODE-AS (ASN 56951) is **Connected** (since 2025-11-26 14:03:30 UTC)

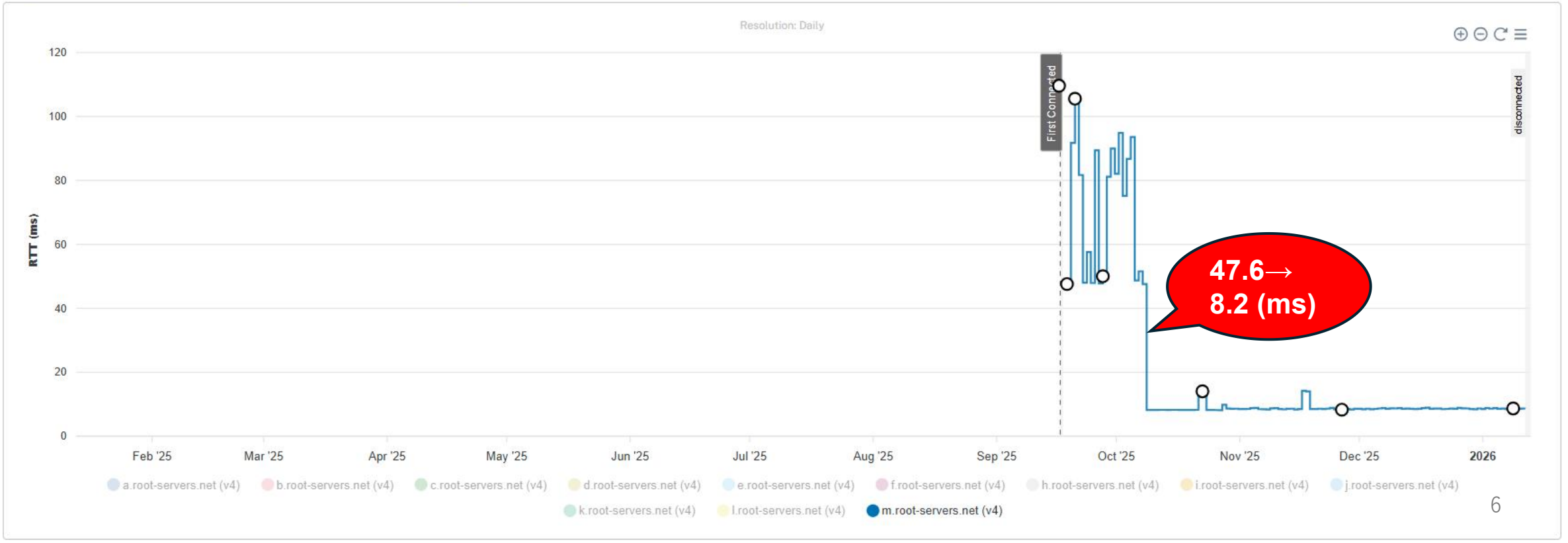
OVERVIEW | NETWORK | RESULTS

Well-known | Built-ins (v4) | Built-ins (v6)

Zoom: Last year

Packet Loss | Y axis scale | Failures | 95th %ile

Click any point for traceroutes



RIPE Atlas

Almaty/KZ

https://atlas.ripe.net/probes/6730/results/builtins4?zoom=1y

Anchor 6730

Tele2 Kazakhstan is **Connected** (since 2025-11-26 14:26:02 UTC)

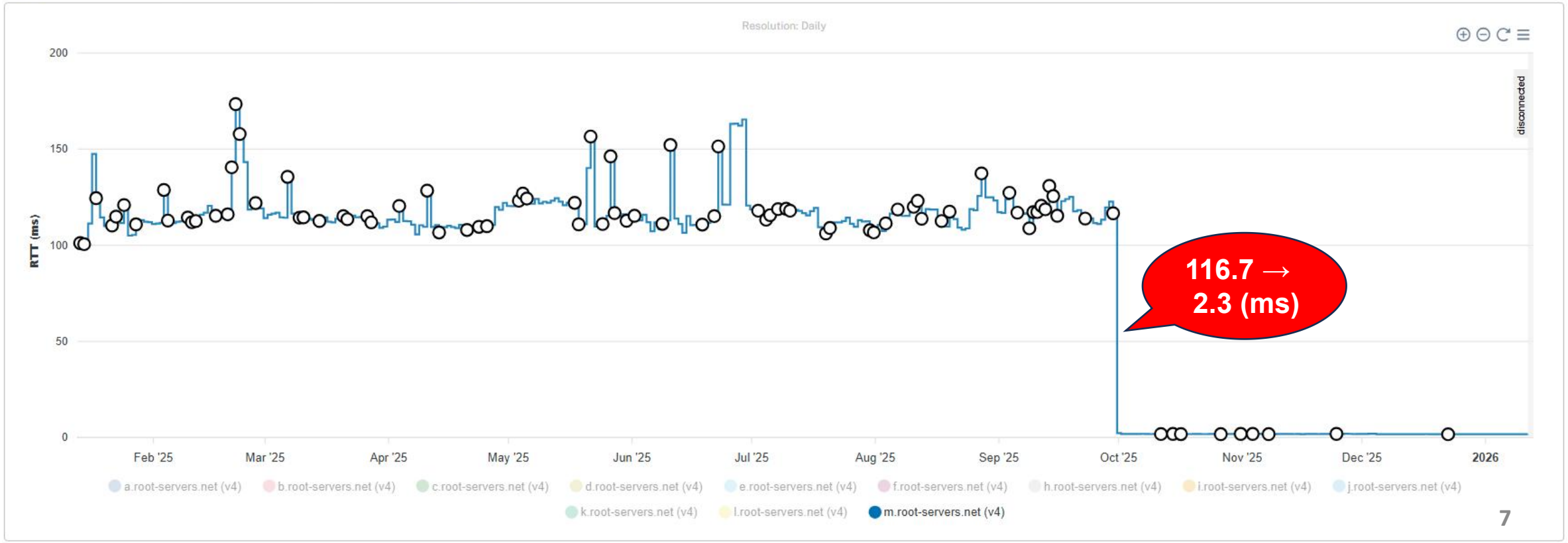
OVERVIEW | ANCHOR | NETWORK | RESULTS

Well-known | Built-ins (v4) | Built-ins (v6)

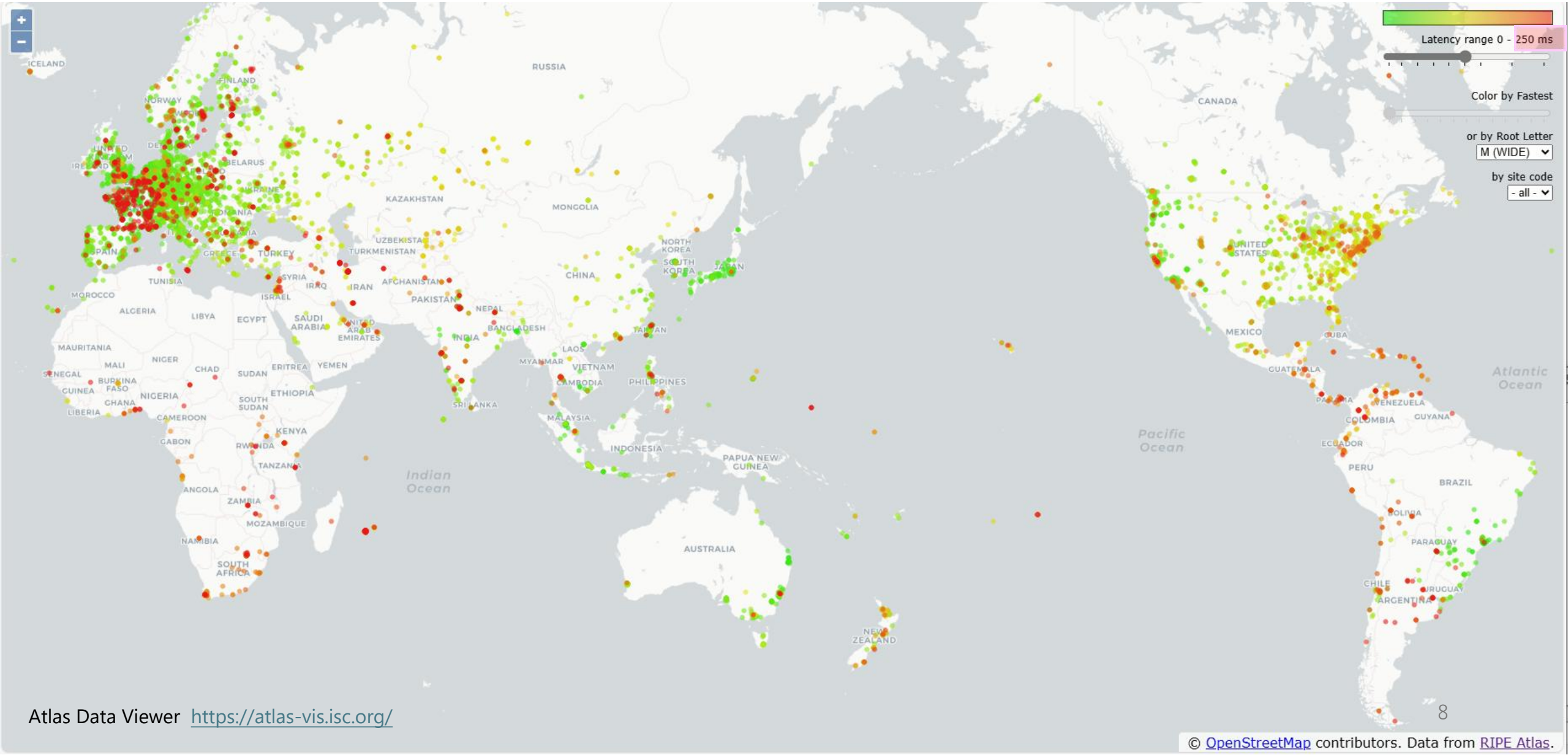
Zoom: Last year

Packet Loss | Y axis scale | Failures | 95th %ile

Click any point for traceroutes

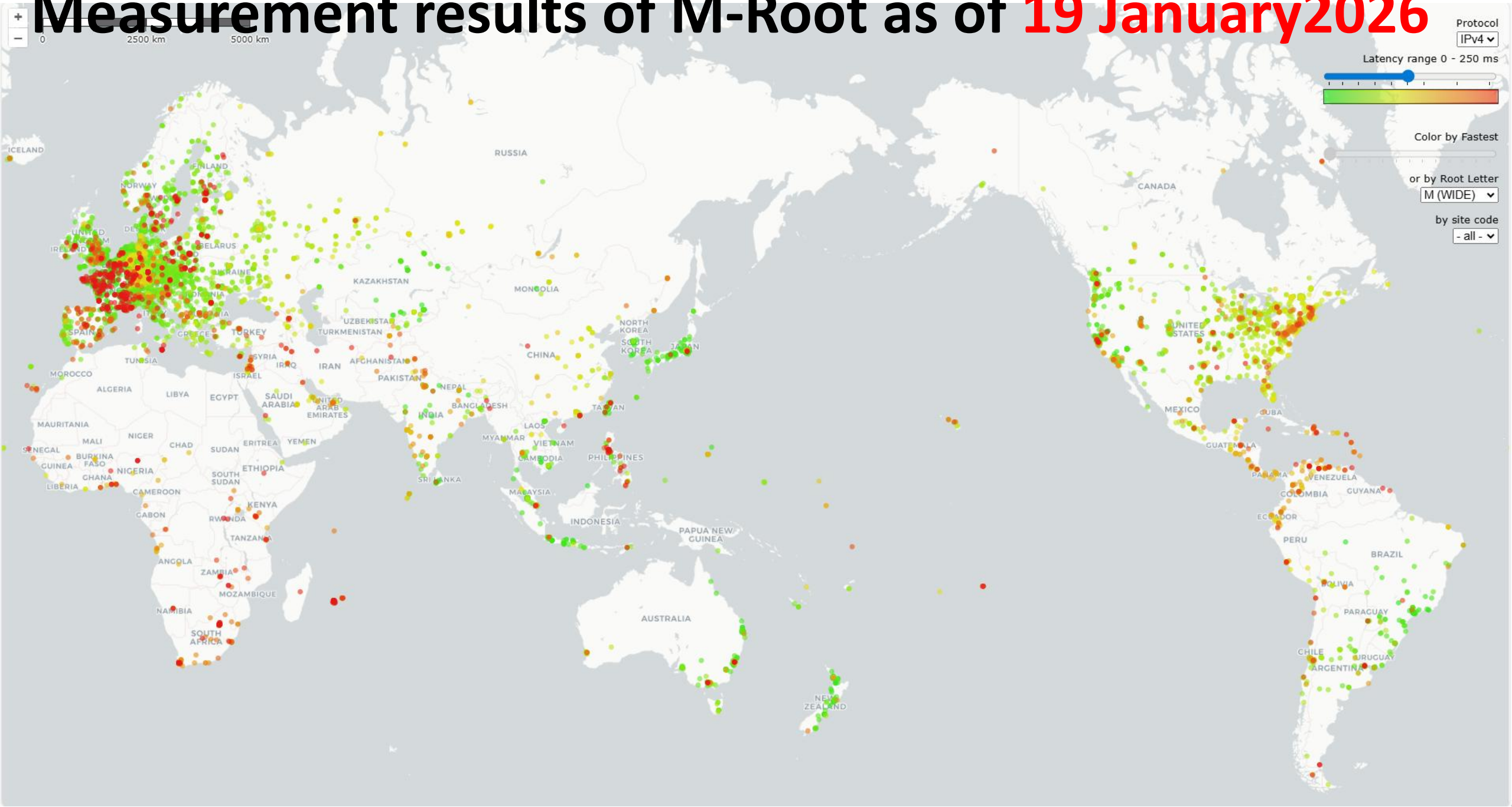


Measurement results of M-Root shown @APRICOT2025



Atlas Data Viewer https://atlas-vis.isc.org/

Measurement results of M-Root as of 19 January2026



# of sites		A	B	C	D	E	F	G
Total		**59**	**6**	**13**	**231**	**328**	**354**	**6**
By type	Global	37	6	13	23	130	129	6
	Local	22	0	0	208	198	225	0
By region	NA	31	3	4	58	92	77	3
	LA	0	1	2	24	33	62	0
	EU	21	1	4	69	97	104	2
	AP	7	1	3	38	50	83	1
	AF	0	0	0	42	56	28	0

+45 +1 +11 +1

# of sites		H	I	J	K	L	M
Total		**12**	**90**	**150**	**147**	**143**	**27**
By type	Global	12	90	64	135	143	8
	Local	0	0	86	12	0	19
By region	NA	4	12	46	15	18	1
	LA	1	16	10	16	30	1
	EU	3	38	58	80	35	3
	AP	3	20	28	31	42	22
	AF	1	4	8	5	18	0

+5 +20 +1 +6

- Region is based on which RIR country belongs to
- Data as of 1st January 2026 (Total : 1,566)

- Thanks to the APIX community, deploying M-Root instances in IXPs improve access to the root servers and increase the community's resilience to root server access

- M-Root team will continue to work on exploring M-Root instance in AP region and globally

- Please contact me if you have interesting in hosting M-Root