

Built-in measurements (documentation for hackaton participants)

Every measurement has a measurement ID, which is unique to that measurement in the system. Some of these measurements are pre-defined and executed by all probes (for the time being).

Here's the mapping of the measurement ID space. Note that the last two digits, the "offsets", are explained in the next table.

Measurement range	Measurement ID	Meaning
1.000 - 2.999		Fixed destination ping measurements
	10xx	IPv4 ping
	20xx	IPv6 ping
5.000 - 6.999		Traceroutes
	50xx	IPv4 traceroute
	60xx	IPv6 traceroute
7.000 - 7.999		Probe connections / disconnections
	7000	Probe connections / disconnections
10.000 - 11.999		DNS SOA and anycast
	100xx	IPv4 UDP DNS SOA (freq:1800)

	101xx	IPv4 TCP DNS SOA (freq:1800)
	102xx	IPv4 UDP DNS version.bind (freq:43200)
	103xx	IPv4 UDP DNS hostname.bind (freq:240, except 10309: 1800)
	104xx	IPv4 UDP DNS id.server (freq:1800, except 10401, 10412, 10423: 240)
	105xx	IPv4 UDP DNS version.server(freq:43200)
	110xx	IPv6 UDP DNS SOA (freq:1800)
	111xx	IPv6 TCP DNS SOA (freq:1800)
	112xx	IPv6 UDP DNS version.bind (freq:43200)
	113xx	IPv6 UDP DNS hostname.bind (freq:240, except 11309: 1800)
	114xx	IPv6 UDP DNS id.server (freq:1800, except 11401, 11408, 11412, 11423: 240)
	115xx	IPv6 UDP DNS version.server (freq:43200)
1M+		User specified measurements

Fixed measurement offsets

Destination name	Measurement offset	Ping(frequency)	Traceroute(frequency)	Tdig(frequency)	IPV4	IPV6
a.root-servers.net	9	enabled(240)	enabled(1800)	enabled	198.41.0.4	2001:503:ba3e::2:30
b.root-servers.net	10	enabled(240)	enabled(1800)	enabled	192.228.79.201	2001:500:84::b

c.root-servers.net	11	v6-disabled(240)	v6-disabled(1800)	v6-disabled	192.33.4.12	
d.root-servers.net	12	enabled(240)	enabled(1800)	enabled	128.8.10.90	2001:500:2d::d
e.root-servers.net	13	v6-disabled	v6-disabled(1800)	v6-disabled	192.203.230.10	
f.root-servers.net	4	enabled(240)	enabled(1800)	enabled	192.5.5.241	2001:500:2f::f
g.root-servers.net	14	v4/v6-disabled	v6-disabled(1800)	v6-disabled	192.112.36.4	
h.root-servers.net	15	enabled(240)	enabled(1800)	enabled	128.63.2.53	2001:500:1::803f:235
i.root-servers.net	5	enabled(240)	enabled(1800)	enabled	192.36.148.17	2001:7fe::53
j.root-servers.net	16	enabled(240)	enabled(1800)	enabled	192.58.128.30	2001:503:c27::2:30
k.root-servers.net	1	enabled(240)	enabled(1800)	enabled	193.0.14.129	2001:7fd::1
l.root-servers.net	8	enabled(240)	enabled(1800)	enabled	199.7.83.42	2001:500:3::42
m.root-	6	enabled(240)	enabled(1800)	enabled	202.12.27.33	2001:dc3::35

Additional built-in msms:

msm_id(freq)	Type	Target
12001(3600)	HTTPGet (v4)	ip-echo.ripe.net
13001	HTTPGet (v4)	ip-echo.ripe.net
12023(900)	HTTPGet (v4)	www.ripe.net/favicon.ico
13023(900)	HTTPGet (v6)	www.ripe.net/favicon.ico
14001(43200)	SSLCert (v4)	www.ripe.net
14002(43200)	SSLCert (v4)	atlas.ripe.net
15001(43200)	SSLCert (v6)	www.ripe.net
15002(43200)	SSLCert (v6)	atlas.ripe.net

Some Potentially Interesting User Defined Measurements Running on All Probes (SPIUDMRAP)

These are stable, long-term measurements which run on all probes. (ST) indicates that the measurement is used for determining one or more system tags.

- 1666409: resolve A WwW.rIpE.nEt (ST)
- 1698856: resolve A www.ripe.net (ST)
- 1698869: resolve A www.icann.org (ST)
- 1698871: resolve A www.ietf.org (ST)
- 1698865: resolve AAAA www.ripe.net (ST)
- 1698870: resolve AAAA www.icann.org (ST)
- 1698872: resolve AAAA www.ietf.org (ST)

- 1698625: ping IPv4 anchor 6001 (ST)
- 1698626: ping IPv6 anchor 6001 (ST)
- 1004731: traceroute IPv4 to www.google.com (every 15m)
- 1004732: traceroute IPv6 to www.google.com (every 15m)
- 1014622: DNS lookup for www.google.com (weekly)
- 1040113-1040123: pings and traceroutes to wikimedia.com
- 1591146: traceroute IPv4 to 8.8.8.8 (every 30m)
- 1769099: ping IPv4 to appdownload.itunes.apple.com (every 15m)