

Hostcount++

Progress Report

Andrei Robachevsky
RIPE NCC



New Software

- Java libraries for manipulating address ranges and BGP dumps
- Use of multiple sources of information for data gathering:
 - Forward Zones (.nl, .tr, ...)
 - Reverse Zones (.in-addr.arpa, ip6.arpa)
 - RIS BGP dumps to check visibility of hosts
- TSIG supported for top level zone transfers.
- Use of third party reports, for shared results in forward zones.
 - Made possible via DIY kit, a program ready to run on remote hosts, producing results for manual transfer to RIPE NCC.

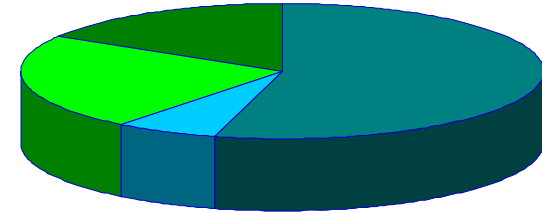
First impressions

Sample Raw Results from 'Counting'

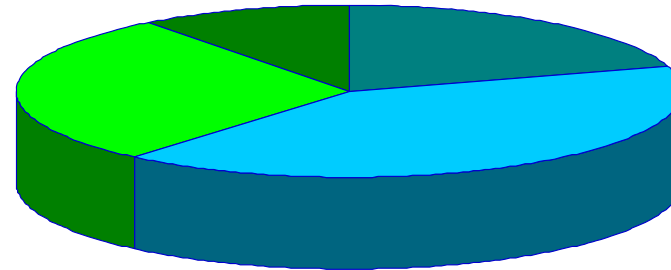
Record (<IP Address>)	Forward (<TLD from forward>)	Reverse (<TLD from reverse>)	3 rd Party (<TLD from 3 rd party report>)	Visible (from BGP)
193.0.1.61	.tr	.nl	-	Yes
144.122.202.3	-	-	.tr	Yes

First impressions: Presented results

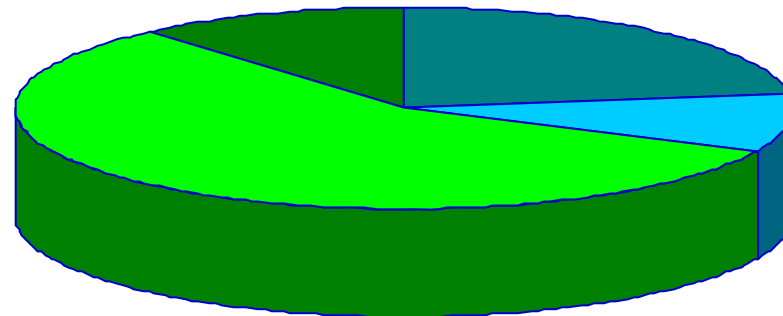
Per Allocation



Per ccTLD



Total



- Also changes from the previous run and quality indicators

How to improve the quality?

- What affects the quality
 - Closed doors
 - Quality of the reverse DNS
 - System design and operation
- Possible solutions
 - DIY kit can solve some of the problems
 - New software
 - Increasing participation, promoting the service

Questions?