



RIPE NCC
RIPE NETWORK COORDINATION CENTRE

Reverse DNS Stats

... how well are people doing ?

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DNS Measurements Hackathon - 21/4/2017

Goals



- Consistency of Reverse DNS Data
 - Percentage of delegations with issues (lame)
 - And what kind of issues
- Latency in domain object creation
- Coverage of space with reverse delegations
- Number of delegations sharing the same servers



Data sources

- RIPE NCC Delegated stats file
- Domain objects (split DB file)
- RIPE Stat
 - DNS Check
 - DNS Consistency check



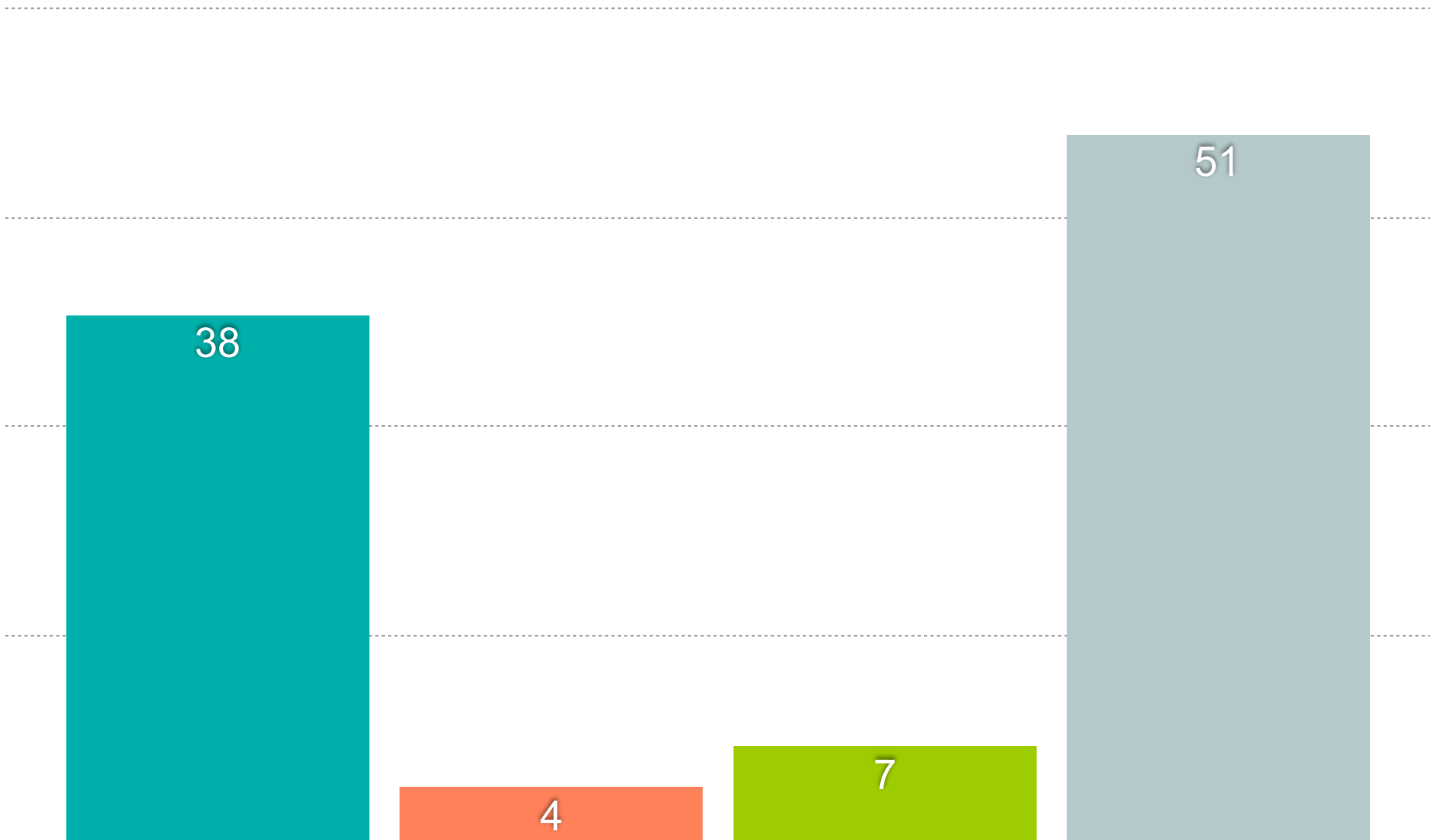
Findings!

Some data for you!

Coverage of Address space



■ 75% - 100% ■ 50% - 75% ■ 25% - 50% ■ 0% - 25%



Percentage of space with issues

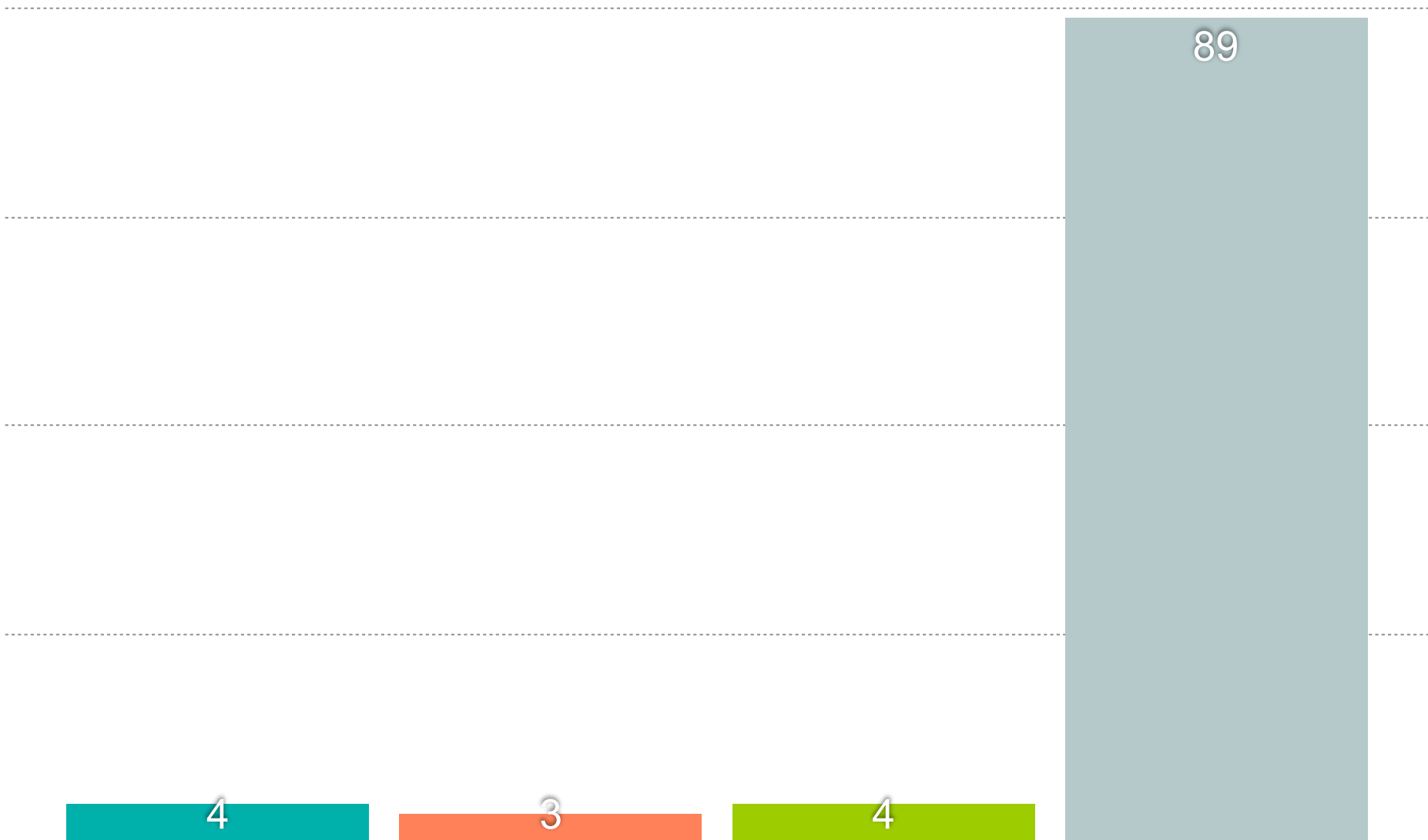


75% - 100%

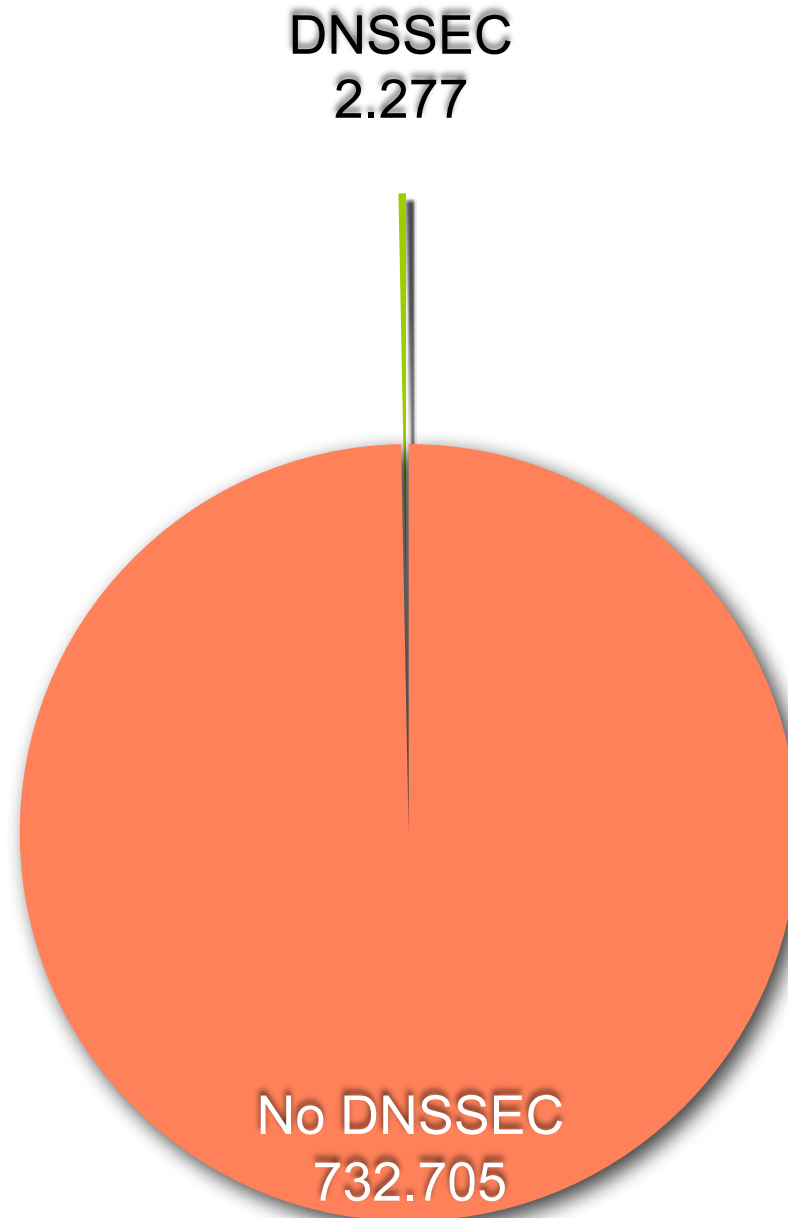
50% - 75%

25% - 50%

0% - 25%



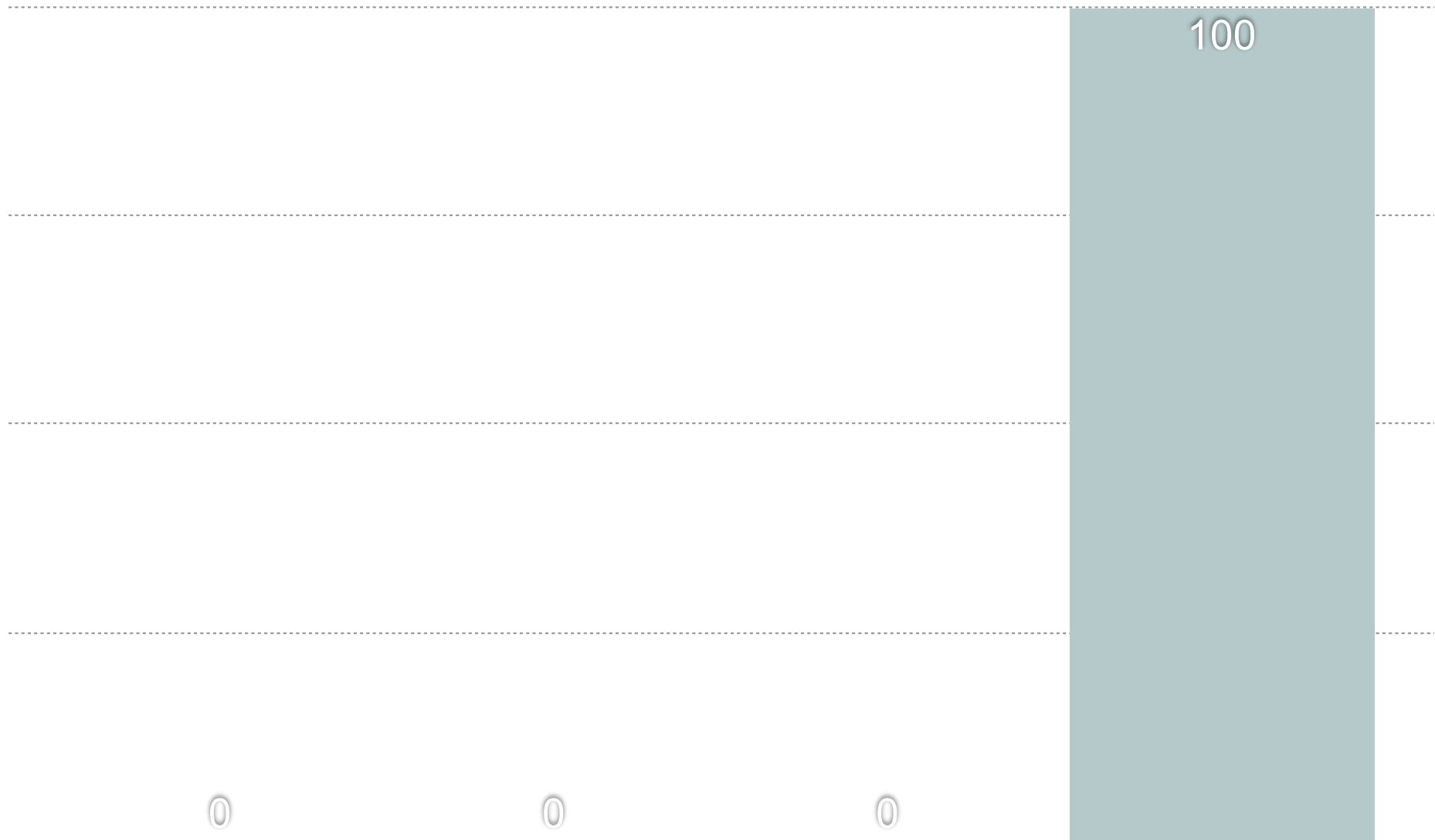
DNSSEC-enabled zones



DNSSEC Covered Space



■ 75% - 100% ■ 50% - 75% ■ 25% - 50% ■ 0% - 25%



Latency in creating domain obj

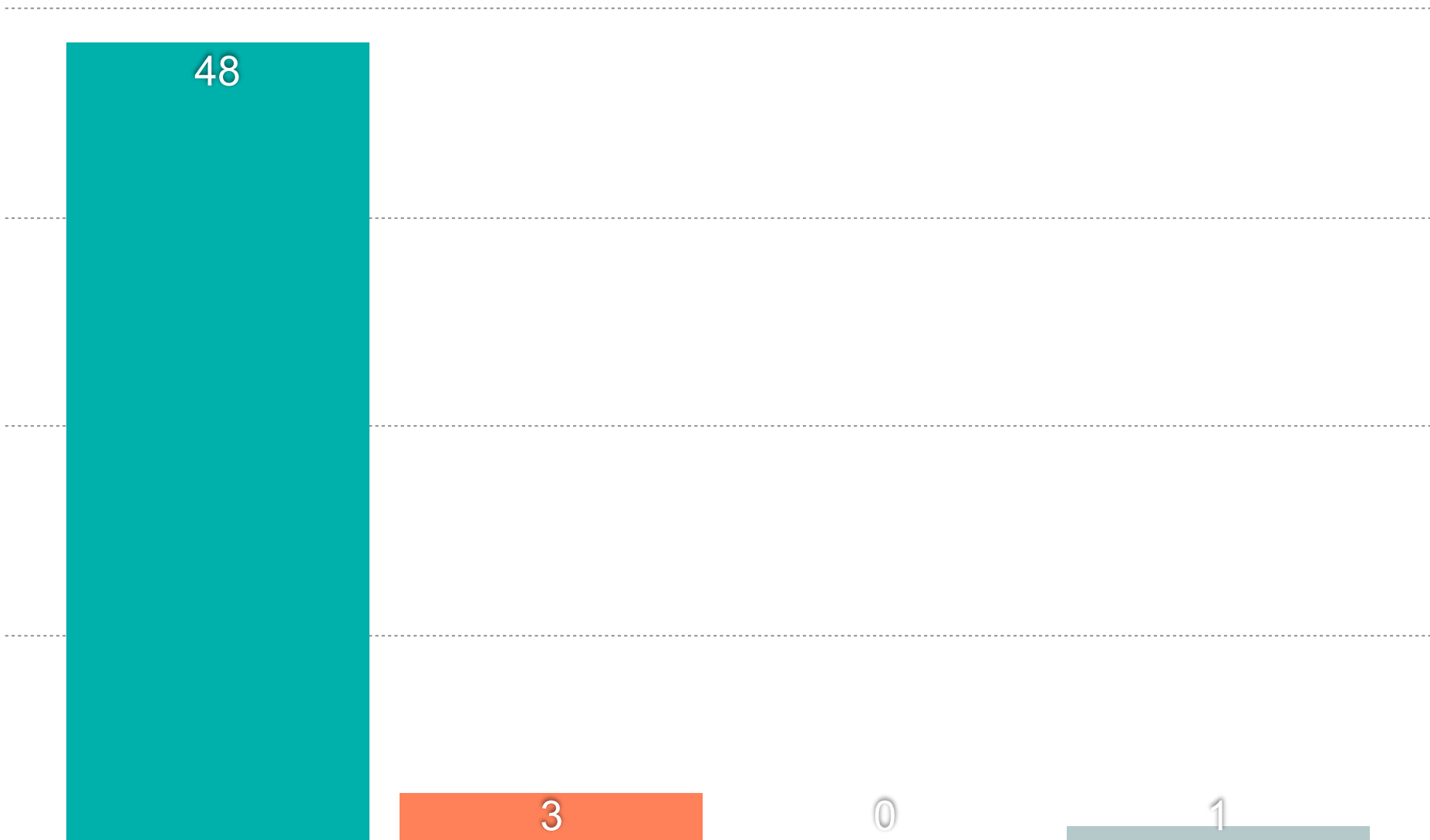


■ > year

■ 1st year

■ 1st month

■ 1st week





Most popular name servers

- ns2.monsterserver.de - 16
- ns1.monsterserver.de - 16
- ns3.mgn.ru - 8
- ns3.digitalcable.ro - 8
- ns2.mgn.ru - 8
- ns2.mdtransco.com - 8
- ns1.mdtransco.com - 8
- ns1.digitalcable.ro - 8
- ns.mgn.ru - 8
- ns.komro.net - 8
- b.ns14.net - 8
- ns2.avira-ns.de - 6
- ns1.cabel.net - 6
- ns1.avira-ns.net - 6
- ns0.cabel.net - 6



Questions



The End!

Край

Y Diwedd

النهاية

Соңы

ჟღერა

Fí

Finis

Ende

Finvezh

Liðugt

Кінець

Konec

Kraj

Ěnn

Fund

پایان

Lõpp

Beigas

Vége

Son

An Críoch

Kraj

הסוף

Fine

Endir

Sfârșit

Fin

Τέλος

Einde

Конец

Slut

Slutt

დასასრული

Pabaiga

Fim

Amaia

Loppu

Tmíem

Koniec

