



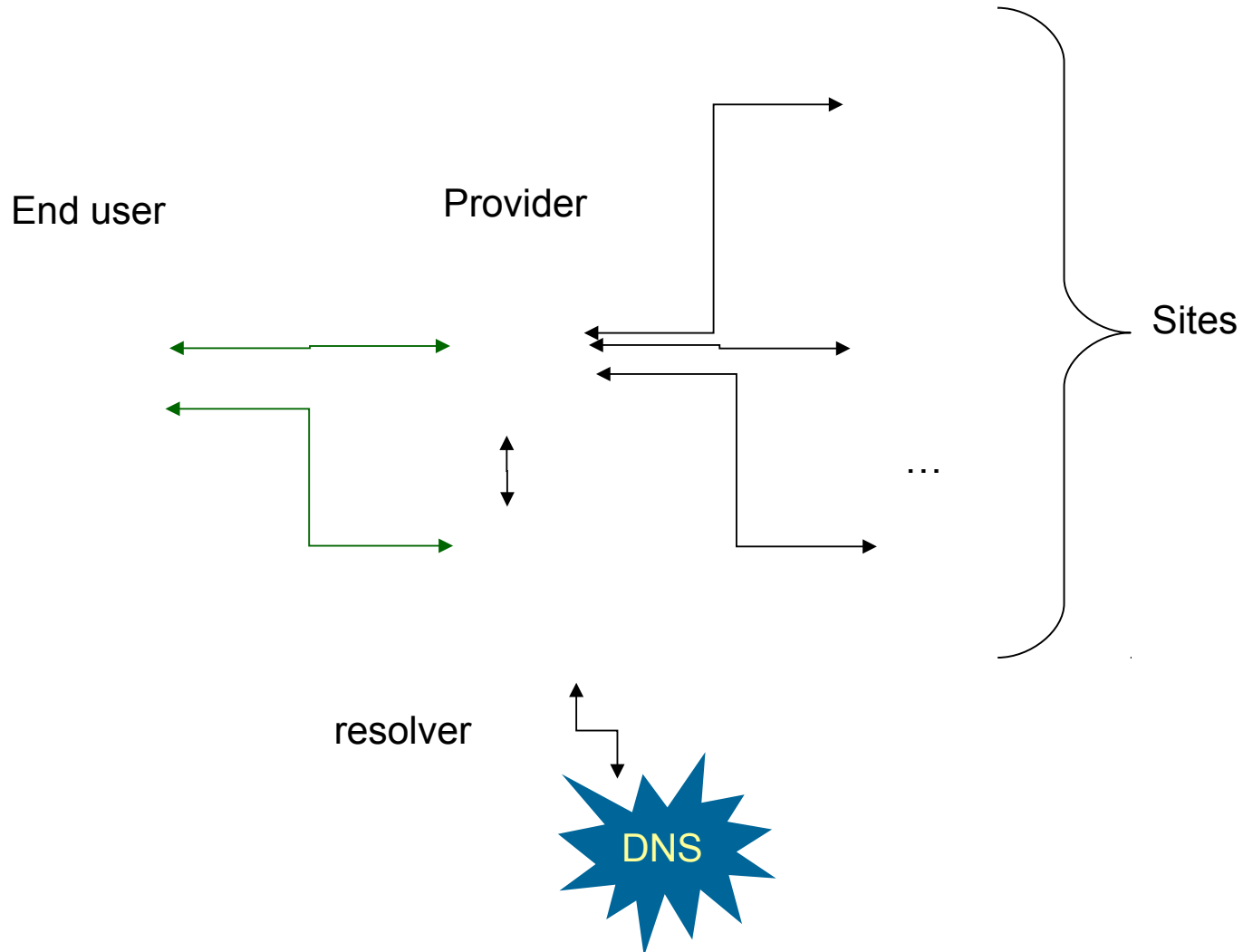
Центр регистрации доменов

«IPv6 penetration: a glance through .RU zone»

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2011

What was tested?

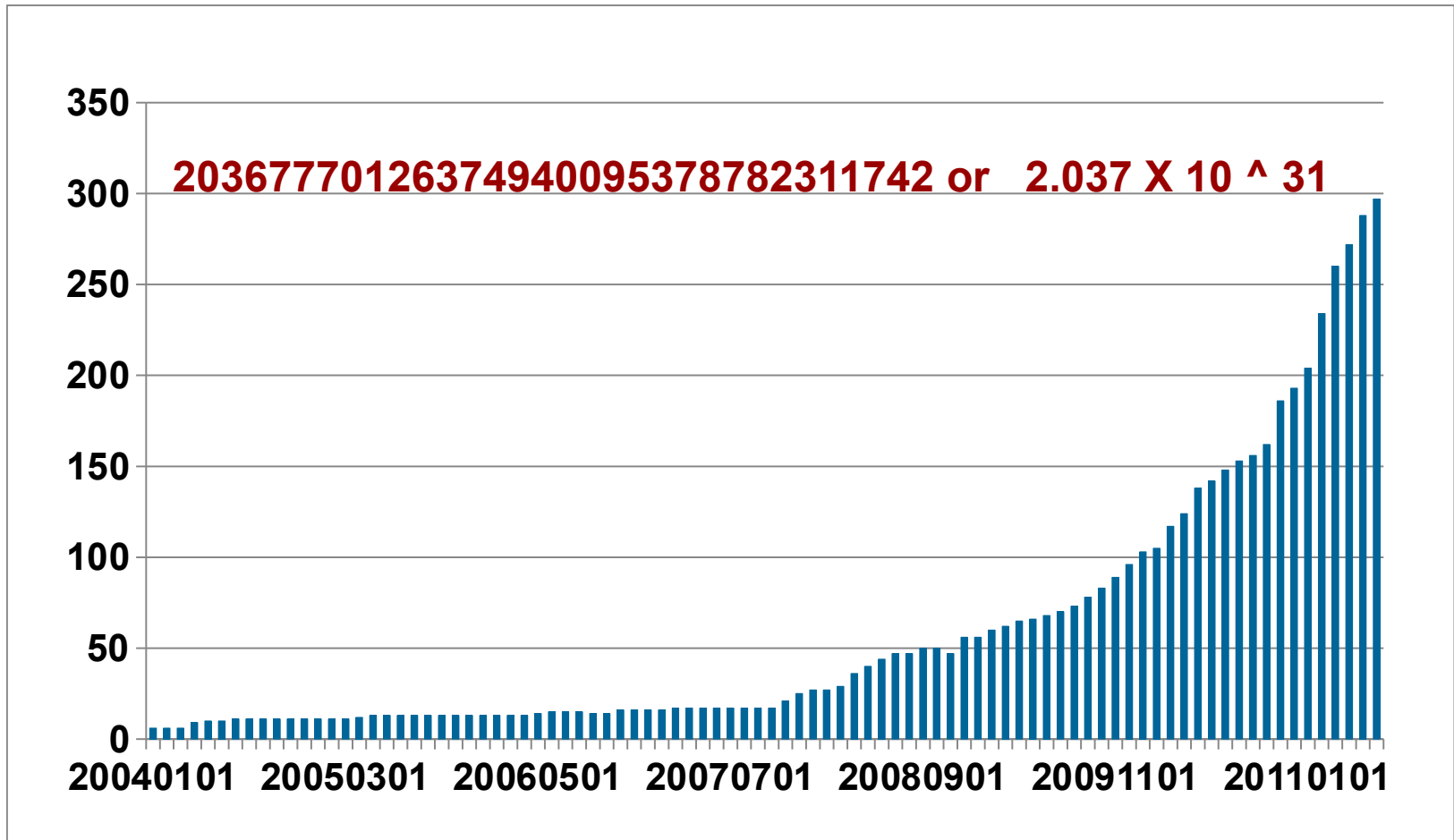


List of the tasks:

- 1. How many IPv6 addresses were allocated for RU?**
- 2. How many DNS-servers have an IPv6 address in the .RU zone file?**
- 3. How many sites (domains) have an IPv6 addresses in .RU (second level only)?**
- 4. How many sites mentioned above are accessible through IPv6 connection?**
- 5. How many sites mentioned above haven't IPv4 address?**



How many IPv6 addresses were allocated for RU?





How many DNS have an IPv6 address in .RU zone file?

ns.evg33 AAAA 2001:470:d3f1:1::2
ns.metromax AAAA 2a00:1410:1:2:3484:f1ff:fe9a:b119
ns.starlink AAAA 2a00:e78::3
ns.winner-group AAAA 2a00:1b48:1001::132
ns1.cheater AAAA 2a02:28:1:5::2

...

ns2.super-tester AAAA 2620:0:2d0:200::10
nsv6.lanta-net AAAA 2a03:2c00:aaaa:aaaa::aaaa

59
records



How many sites are accessible in .RU through IPv6?



How many sites have an IPv6 address in .RU and/or are accessible through IPv6?

- Addresses:**
20367770126374940095378782311742 or
 2.037×10^{31}
- Domains (AAAA record exists): 1131**
- Home page was loaded from – 382 domains**
- IPv6 addresses - 562**
- Home page was loaded from – 185 IPv6 addresses**
- 5 hosts haven't got IPv4**

Geolocation of IPv6?

- RIPE DB remarks**
- IPv4 addresses**

Geolocation for IPv6 in RUSSIA?

Adresse			
Town	s	Town	Addresses
Voronezsh		2Novosibirsk	1
Krasnodar		1Ufa	1
Kursk		2St.Petersburg	2
Moscow		35Tambov	1
Zsheleznodorozsh			
ny		1Seversk	1
Lubertcy		6Tomsk	2
Sergiev Pasad		1Uljanovsk	3
Khimki		1Yaroslavl	1

Public services share

Services		
Service	Domains (sites)	Share
Hosting	1808396	55,13%
Parking	465834	14,20%
Other	602570	18,37%
Not delegated	403586	12,30%
Summary	3280386	



Top Russian Hosting Providers

Domains		IPv4 addresses	
AS	Domains	AS	IPv4
Agava	63186	Agava	3436
Caravan	13687	Caravan	3966
Centrohost	54939	Centrohost	739
FirstVDS	60619	FirstVDS	8416
Jino	125740	Jino	2566
Majordomo	50594	Majordomo	213
Masterhost	203919	Masterhost	3823
Peterhost	31581	Peterhost	633
RBC	27583	RBC	1358
RuCenter	79365	RuCenter	8412
SpaceWeb	92433	SpaceWeb	633
WebAlta	22785	WebAlta	665
Zenon	20327	Zenon	562



Questions?:)

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