



RIPE NCC DNS Update

Anand Buddhdev | Nov 2023 | RIPE 87



AuthDNS expansion



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ripe.net DNSSEC outage

- On 1 Nov 2023, most signatures in the zone expired
- "Perfect storm" situation
- Human error large TTL introduced for a record
- Strict signer
- Incomplete monitoring only SOA record was monitored
- Incident report
 - https://www.ripe.net/ripe/mail/archives/dns-wg/2023-November/004105.html

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DNSSEC outage prevention

- More checks to prevent human error
- Discussion with signer vendor
 - Continue signing but log warning
- Full zone verification and alerting
 - Transfer all zones and check with Idns-verify-zone

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RIPEStat interface for Zonemaster



RIPEstat



Launchpad Search and Explore



Saved Saved Searches



Use Cases





Enter an IP address/prefix, ASN, country code or FQDN

Launchpad

Search above or start with one of the suggestions below

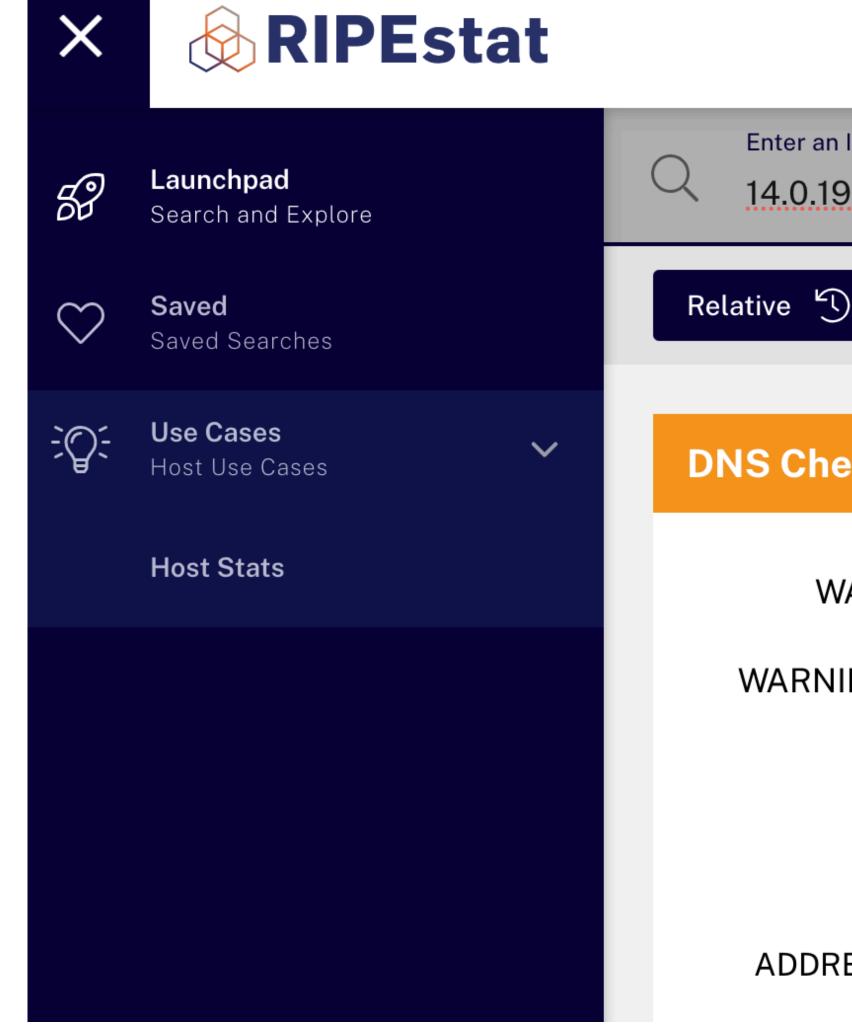
Your IP: 193.0.20.230

Your Prefix: 193.0.20.0/23

Your ASN: 3333

Your Country: Netherlands (NL)

RIPEStat interface for Zonemaster



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IP addres 3.in-a				
Ak	osolute 📋	Latest	\sim	
ck			(i) <u>↓</u>	
ARNINGS found for 14.0.193.in-addr.arpa				
NG 1	CRITICAL 0	ERROR 0	NOTICE 2	
Test date:				
SELECT OTHER TEST V CHECK NOW				
ESS (3 items)			>	

Software updates

- Some DNS servers updated to Oracle Linux 9
 - Default crypto policy needs to be relaxed -
 - Utilities like kzonecheck can't verify SHA1 and GOST hashes
 - Fix coming soon
- After RIPE 87, we will be updating many more servers
 - Complete upgrades before CentOS 7 end-of-life in June 2024 -

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Questions

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