



Co-funded by  
the European Union

# DNS4EU

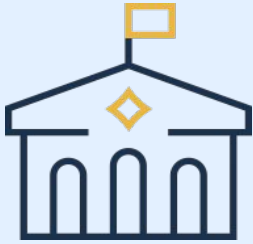
## Public Service

Launch of Secured Privacy-oriented  
Public DNS resolver

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Project number: 101095329 21-EU-DIG-EU-DNS  
Project name: DNS4EU and European DNS Shield.  
This project is co-funded by the European Union.

# DNS4EU Product & Service Overview



## **Governments**

*Commercial offering*

For national cyber security center, covering all governmental bodies

Option of on-prem, cloud & hybrid deployment, administration console with monitoring, integrations and advanced multi-tenancy.



## **ISPs and Telcos**

*Commercial offering*

For connectivity providers, offered as value-added service

White-labeling, End customer portal, integration with CRM, national regulations, network insights.



## **Public resolvers**

*Free public service*

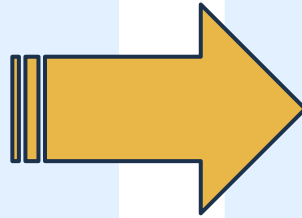
For general & expert public

Private data anonymization, different filtering options, limited Threat Intelligence, distributed nodes across the EU.

# Operations around launch of **DNS4EU** Public Service

## Before Launch

Monitoring - PerfOps, Kibana, Prometheus  
Alerting - PerfOps, Elastalert, Alertmanager  
User anonymization  
Security hardening  
Anycast advertisement  
Configuration audit  
Rate-limiting  
Technical support  
Website with guidelines



## After Launch

Feedback from users  
Ad-blocking resulting in limited experience  
PTR records of DNS4EU domains  
Test page  
iOS configuration profiles  
DDoS attack  
Coverage of anycast in certain locations

# Statistics

**1.25 billion**

average daily requests

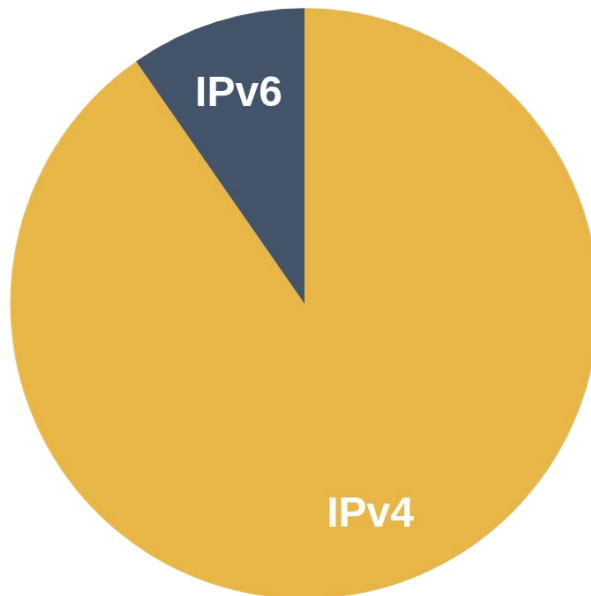
**16 million**

average daily blocked  
malicious domains

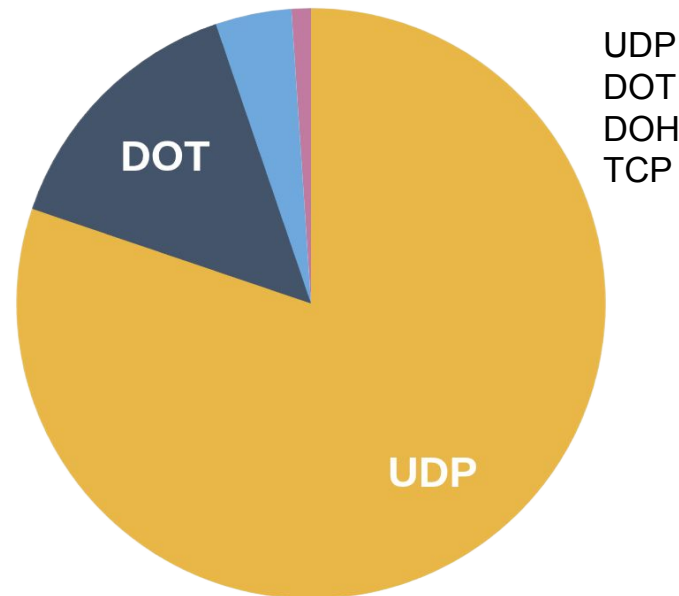
**16.7 ms**

average latency measured  
by Perfops

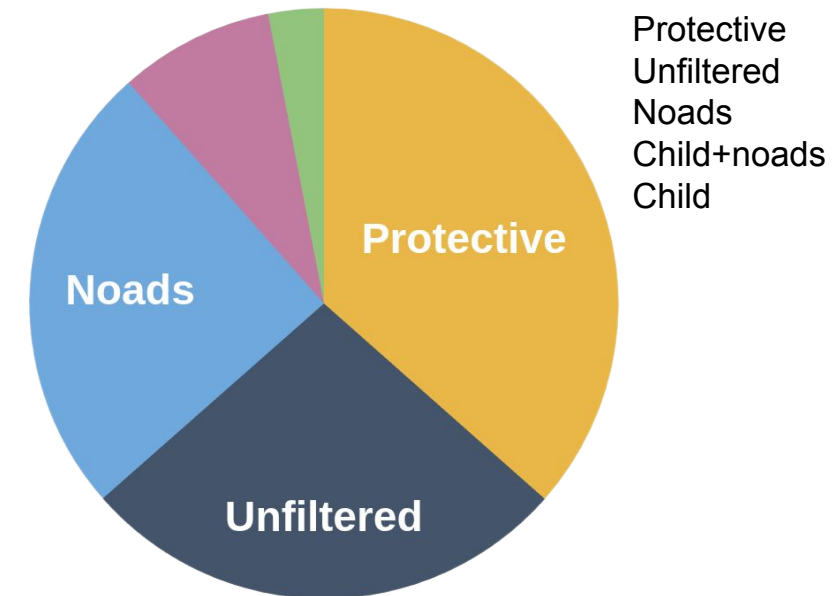
IP version usage



DNS protocol usage



Use-case usage





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[www.joindns4.eu](http://www.joindns4.eu)

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