IPv6 Availability of Open Source Code Repositories

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„... open source refers to a computer program in which the source code is available to the general public ...

-Wikipedia

… but is it true for members of the general public using IPv6-only networks?

We try to answer this by looking at the FreeBSD Ports Collection.

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At 2015-12-14 there were **25.522 ports** in the Ports Collection.

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5.344 different hosts

3.925 hosts which had **only an IPv4** address

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0 hosts which had **only an IPv6** address

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1.419 hosts with both **IPv4 and IPv6** addresses

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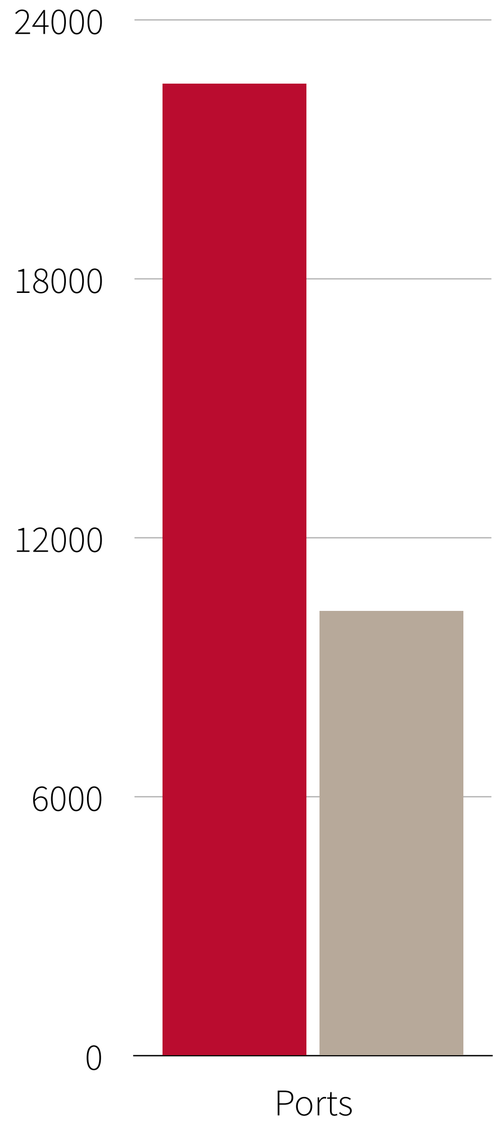
359 hosts without a resolvable DNS record

Of the **25.522 ports** there were **10.308** where the source could not be downloaded via IPv6.

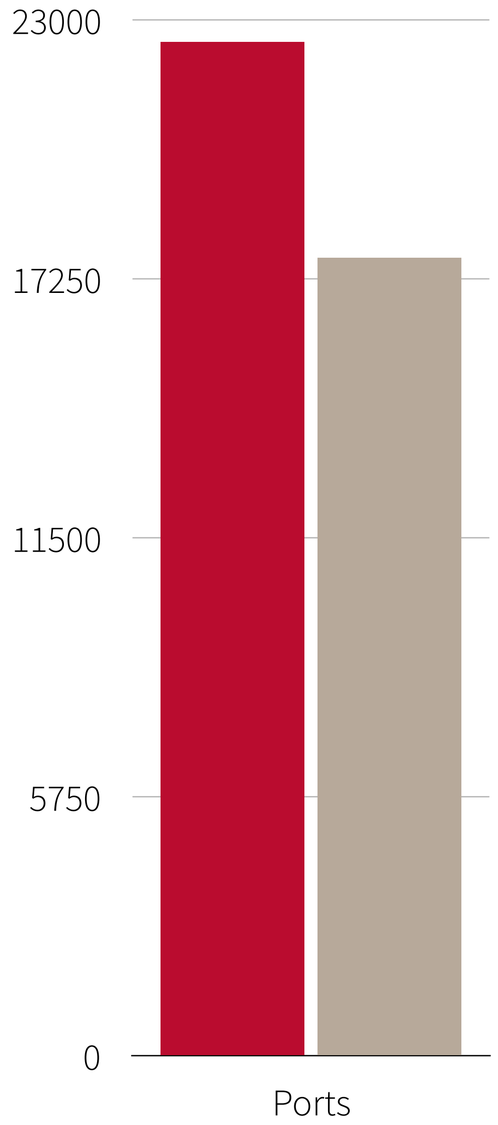
This amounts to **40.38 %** of the portstree.



but … dependencies!

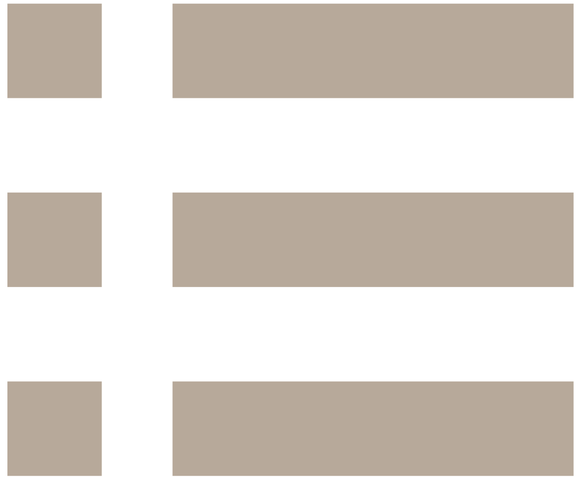
So **17.715 ports** could not be built by an IPv6-only user

amounting to **69.4 %** of the ports.



Taking a closer look at the TOP 25 IPv4 only hosts

These 25 hosts provide source code downloads for 8235 ports.



Sites	Ports	Results
3	2898	CDN does not support IPv6 (CDN: fastly)
8	4092	Cloud provider does not support IPv6 (Cloud: AWS)
4	503	enabled IPv6 now
10	742	no clear results yet

Room for questions

Thank you

Further questions please
contact zenker@punkt.de

more information
https://wiki.freebsd.org/IPv6PortsTODO