

Open Infrastructure - Task #7053

Make nodejs/npm work on IPv6 only hosts

08/16/2019 10:46 AM - Nico Schottelius

Status:	Rejected	Start date:	08/16/2019
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
PM Check date:			

Description

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The following error occurs when trying to install a package:

```
nodejshost:~$ npm install node-red
npm ERR! code ENETUNREACH
npm ERR! errno ENETUNREACH
npm ERR! request to https://registry.npmjs.org/nodered failed, reason: connect ENETUNREACH 104.16.21.35:443 - Local (0.0.0.0:0)

npm ERR! A complete log of this run can be found in:
npm ERR!     /home/app/.npm/_logs/2019-08-16T08_41_18_332Z-debug.log
nodejshost:~$
```

The host that has access to the IPv4 Internet via DNS64/NAT64. So if npm install would try resolve by both IPv4 (AAAA) and IPv4 (A) DNS entries, then the installation would succeed.

Offer

If anyone is interested in fixing this, I offer 200 CHF in cash for the one who

- Finds the source of the problem (it's somewhere in a github issue, I have seen it some time ago)
- Fix it so that IPv6 and IPv4 are treated equally (i.e. happy eyeballs or similar algorithm)
 - Resolve both AAAA and A at the same time
 - Try first available host
 - Do not implement do-one-after-another: this breaks either IPv4 or IPv6 users
- Submits a patch upstream and gets it merged
- Can show that "npm install ..." on an IPv6 only host with NAT64 works (I provide a test VM for this)

History

- #1 - 08/16/2019 10:50 AM - Nico Schottelius
- Description updated
- #2 - 08/16/2019 10:52 AM - Nico Schottelius
- Description updated
- #3 - 01/02/2024 02:05 PM - Nico Schottelius
- Status changed from New to Rejected