

Some thoughts on IPv4

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IPv4 – IPv6

- Internet grew from a few computers in 1969 to billions today
- IPv4 addresses running short since 2011
- Successor IPv6 available for additional growth
- (needed for the IoT = Internet of Things)
- Make your institution / organisation ready for IPv6

http://www.ipv6forum.com/test_ipv6.php

<http://ipv6-test.com/>

<http://test-ipv6.com/>

<http://ipv6test.google.com/>

...

Thoughts triggered by IPv4 exhaustion



Some thoughts

- IPv4 exhaustion means about 4 billion Internet nodes.

The Internet connect lots of computers.

A new AI?

- IPv4 exhaustion means about 4 billion Internet nodes.
- With the Internet of Things the number of nodes will approach the number of human neurons:
 - 16 billion neurons in the cerebral cortex
 - 86 billion neurons in the human brain

Is this some kind of super computer?
Or the beginning of a global artificial intelligence?

But...

- IPv4 exhaustion means about 4 billion Internet nodes.
- With the Internet of Things the number of nodes will approach the number of human neurons:
16 billion neurons in the cerebral cortex
86 billion neurons in the human brain
- The Internet also connects 8 billion humans (currently about half of them).

Is this some kind of super computer?

Or the beginning of a global artificial intelligence?

Or a new stage in evolution?

A new stage in evolution?

Atoms

Molecules

Organelles

Cells (esp. Neurons)

Humans

?

Internet of Beings

- The Internet connects computers
- ... and humans
- ... and maybe it could also connect animals and plants

Is there a general ability and desire of all beings to communicate?

The Internet of Beings might be a new stage to support this desire.