Why IPv6?

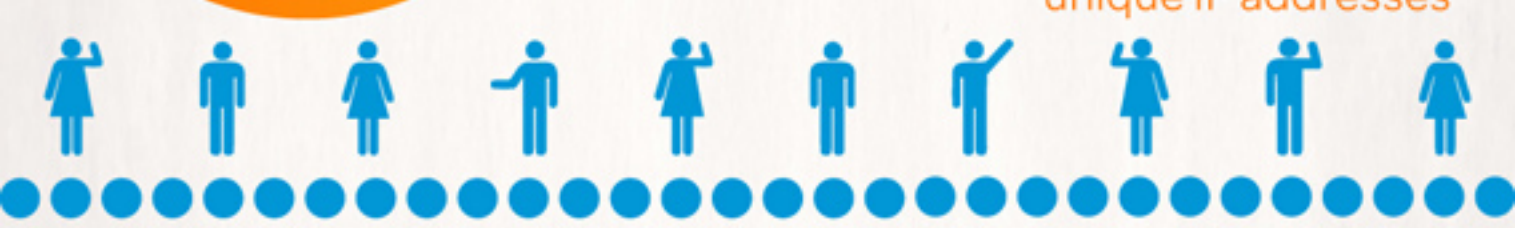
IPv6 won't change the way you use or see the Internet

It will simply allow the content to reach even more people and devices.

172.16.254.1

An IP address is the unique number every computer (or other networked device) is assigned when it's connected to the internet.

If you have a
laptop
smartphone
e-reader
then you have three devices that may use unique IP addresses



Multiply that by the number of people you know with those types of devices and the number of IP addresses needed increases exponentially

By 2015

there will be more than

7,100,000,000

mobile-connected devices alone, nearly equal to the world's projected population by that time.*

IPv4 technology (193.66.176.4)

was introduced in 1981 and can only support 4 billion unique IP addresses.

100% of the IPv4

addresses will be used up in the next few months.

That's why the industry is transitioning to a new standard:

IPv6

IPv6 will support more than 340 undecillion IP addresses

(340,000,000,000,000,000,000,000,000,000,000,000,000,000,000,000)

For more info:
http://www.business.att.com/enterprise/online_campaign/ipv6/

*Source: Cisco Visual Networking IndexGlobal Forecast, 2010-2015