

IPv6-Only Network @RIPE70

RIPE70, May 2015, Amsterdam
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Just in Case You Didn't Know...

IPv6-Only Network available @RIPE

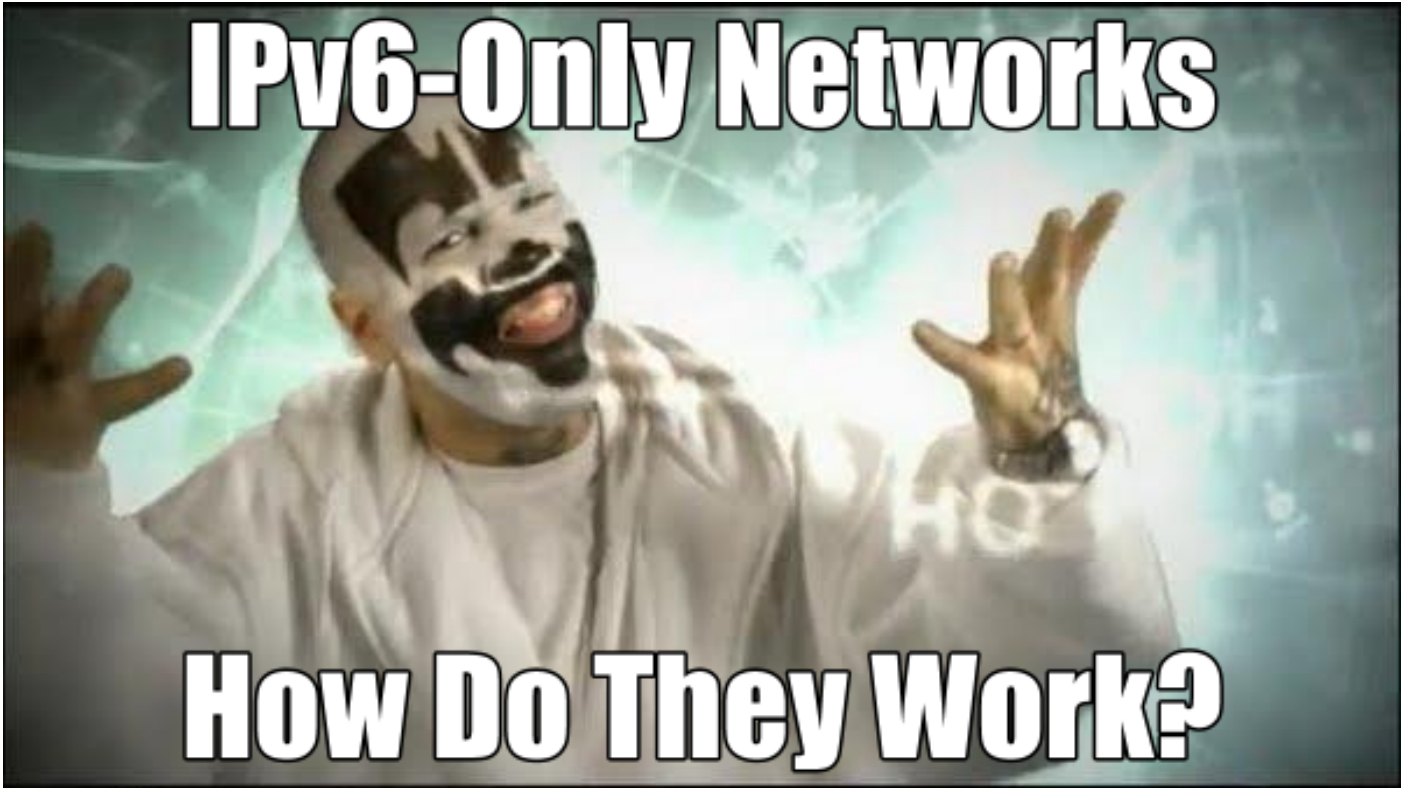
- SSID: IPV6ONLYEXP
- Password: iknowbesteffort

It Would Have Never Happened W/O

BIG THANKS to

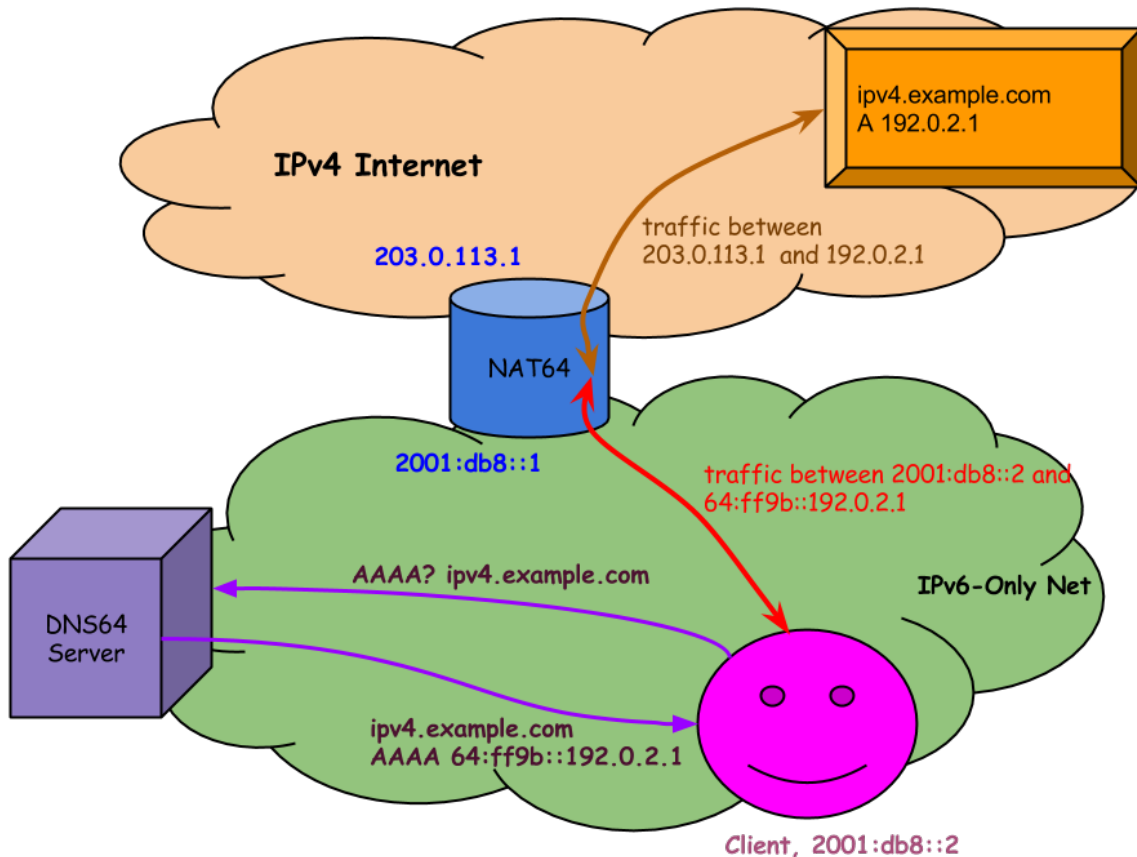
- **RIPE NCC** for keeping the network running
 - Marco Hogewoning
 - Colin Petrie
 - Menno Schepers
- **Cisco Systems** for NAT64 solution:
 - Eric Vyncke
 - Steve Simlo
 - Andrew Yourtchenko

IPv6-Only Networks

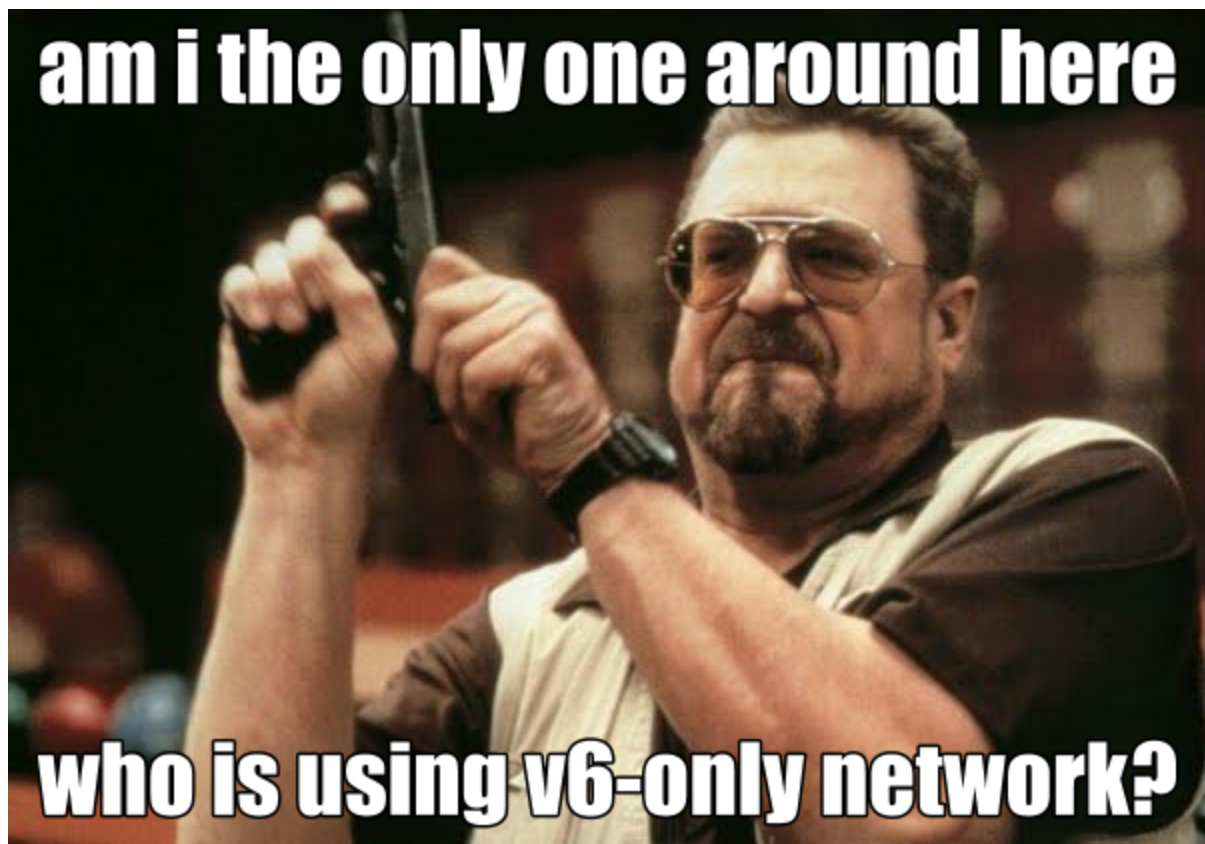


How Do They Work?

Stateful NAT64 & DNS64



am i the only one around here

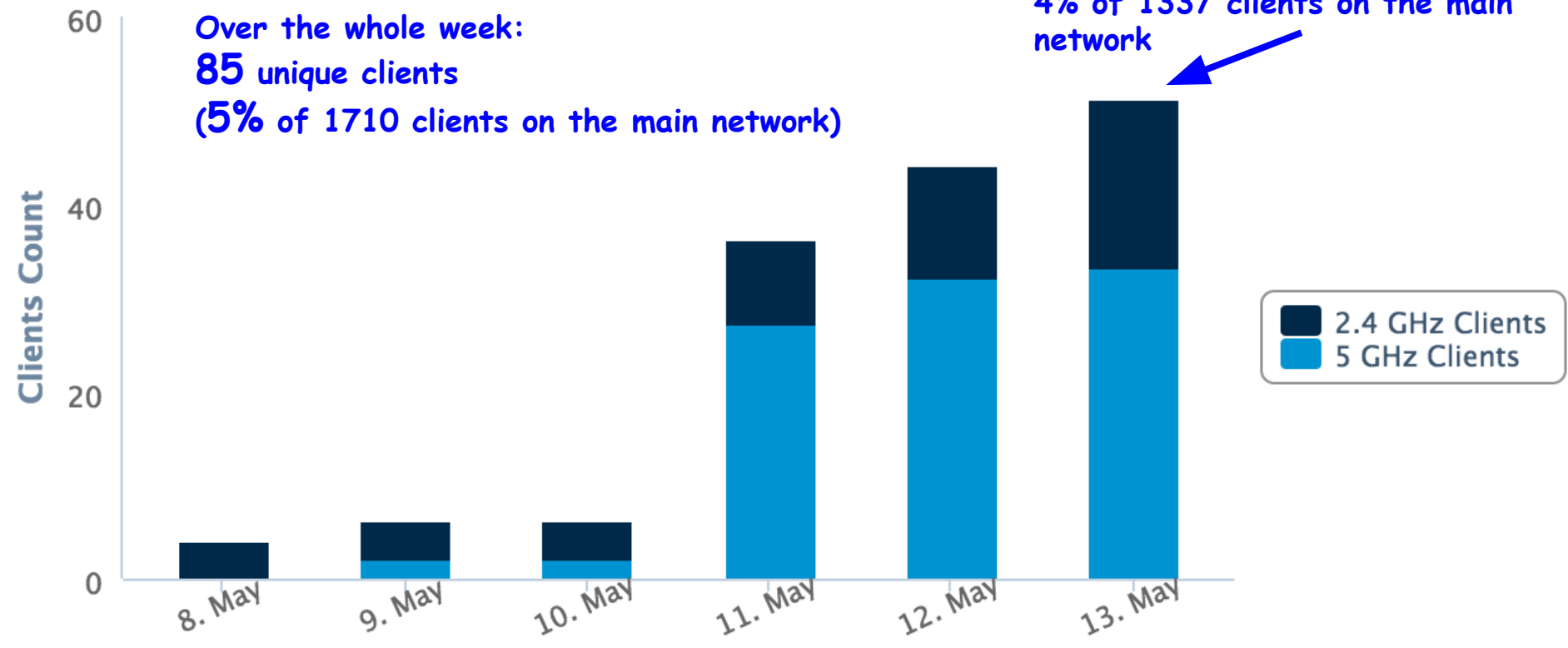


who is using v6-only network?

Unique Wi-Fi Clients over Time



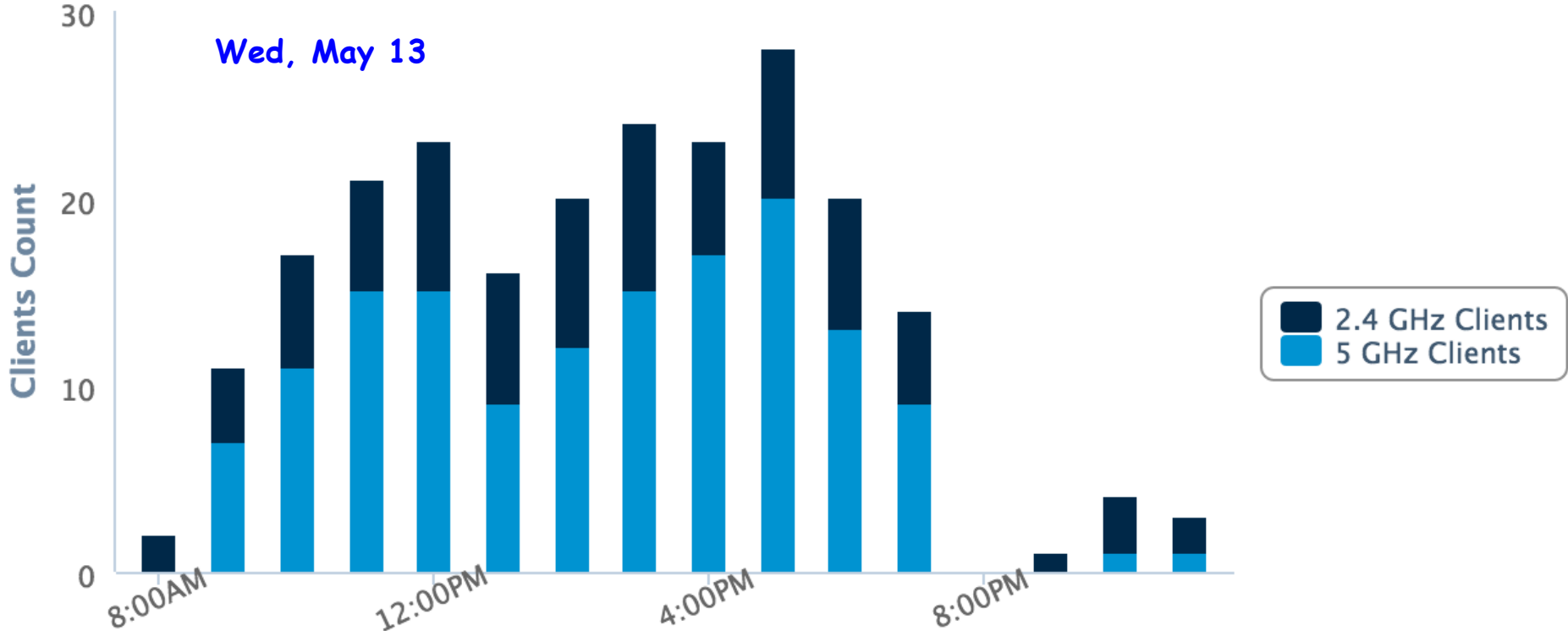
Report Period: May 7, 2015, 12:00AM - May 14, 2015, 12:00AM



Unique Wi-Fi Clients over Time



Report Period: May 13, 2015, 12:00AM - May 14, 2015, 12:00AM



BIG THANKS to those who provided feedback

- Edoardo Martelli
- Eric Vyncke
- Ivan Pepelnjak
- Luuk Hendriks
- Mick O'Donovan
- Jérôme Fleury
- Leslie Carr
- Wilfried Woeber



Known Issues

- Assumption is the mother of all mistakes. "No v4 - no Internet"
 - *iMessage falls back to SMS (Apple bug 15229028)*
 - *Airmail on MacOS reports "no connectivity"*
- Applications asking for A, not AAAA:
 - *Dropbox desktop application*
 - *Microsoft Lync*
 - *Some IRC/IM clients*



Are You Using



IPv6-Only Network?