Deploying IPv6 in 10-11 days:

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RIPE67 attendance confirmed, everything booked, woho!
It's customary to bring a nice suprise for the hosts...but what?
24 Media is Greece's largest digital publishing group
  - Their server infrastructure is hosted in my data centres and their CMS and other applications are managed by my colleagues
  - But they do not have IPv6! Fixing that ought to be a nice surprise...
I aired the idea for 24 Media late in the afternoon
  - Early Friday came the response: «Fantastic idea, let's do it!»
10 days to go – including two weekends! – would we make it?
Day 1: Friday, October 4rd, 2013

Step 1: Provision an IPv6 prefix to the frontend LAN

Frontend node 1

Frontend node 2

Frontend LAN (DMZ)

RL core net (and Internet)

Backend LAN (web servers, database servers, etc. etc. etc.) [IPv4-only]
Day 1: Friday, October 4rd, 2013

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Step 2: Add an IPv6 service address to the Heartbeat configuration (1 additional line of config)

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Step 3: Make HAProxy listen for IPv6 connections (replace «bind :80» with «bind :::80» in config file)

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- Got frontend service address 2a02:c0:208::24 up and running
  - Initial testing done by overriding DNS with /etc/hosts entries
  - Everything looks OK -> time to publish the AAAA records
- 24 Media has two DNS providers:
  - Rapidswitch: Hosts contra.gr, cosmo.gr, oneman.gr, prasinanea.gr, redplanet.gr, sport24.gr
  - Serverloft: Hosts 24media.gr, news247.gr, olapaok.gr
- This is where the **real** challenge begun...
Day 1: Friday, October 4rd, 2013

- AAAA records for the Rapidswitch sub-domains added
  - AAAAs for «domain.tld» didn't work (but «www.domain.tld» did)
    - Ticket opened asking for fix
  - sport24.gr not yet added because it's the biggest site, and 24 Media wanted to see that there were no problems with the other sites first

- Serverloft: No support for AAAA records at all
  - Ticket opened asking for fix
Day 5: Tuesday, October 8th, 2013

- Responses from the two DNS providers:
  - Rapidswitch: «That's a bug and we'll get it fixed this week»
  - Serverloft: «We don't support IPv6 and have no plans to do so»

- We considered ditching Serverloft, but decided against it
  - Not enough time to plan the migration of the zones
  - Maybe later though..!
Day 8: Friday, October 11th, 2013

- Rapidswitch fixes their bug!
  - AAAAs added for the subdomain-less hostnames too
  - sport24.gr still being the exception - lots of traffic expected on Sunday

Day 11: Monday, October 14th, 2013

- AAAAs for sport24.gr and sub-domains added
- Doors open at RIPE67
Summary / results:

- 7 of 9 main sites got IPv6 in time for RIPE67
  - Serverloft to blame for the missing 2
- >2x IPv6-enabled sites in Greek Top100
- Questions? (If there's time...)

http://www.vyncke.org/ipv6status/plotsite.php?country=gr&metric=w&topn=100