

Deploying IPv6  
in ~~10~~ 11 days:



**RIPE 67**  
ATHENS / GREECE

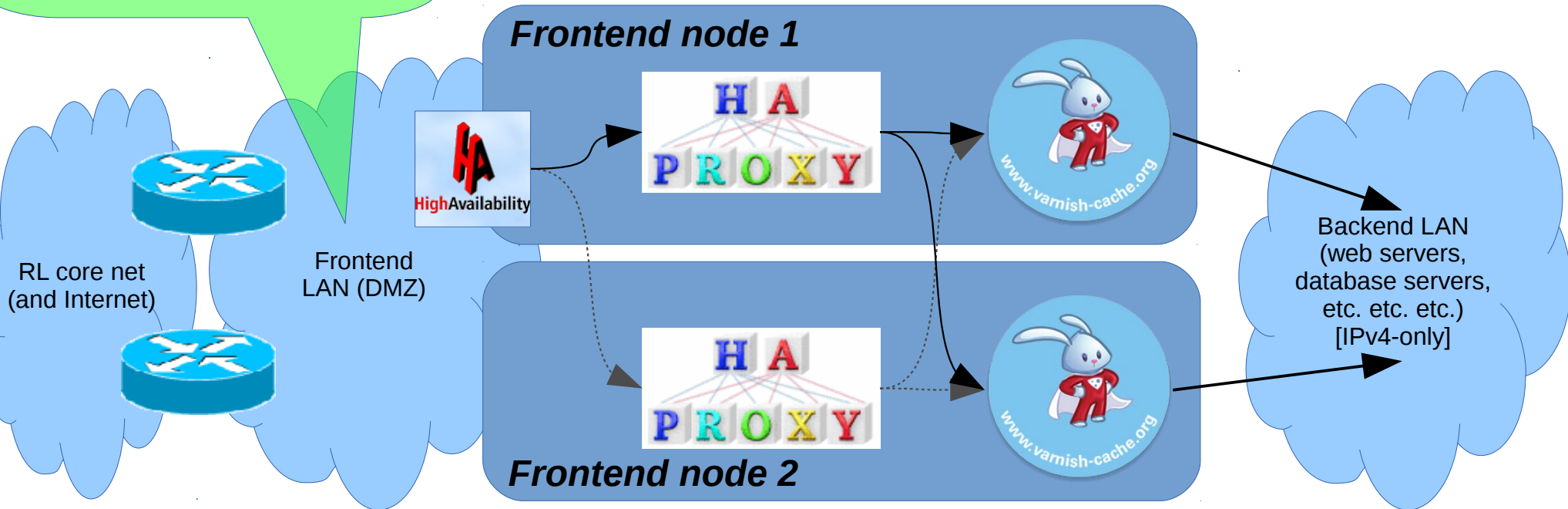
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Redpill Linpro AS  
RIPE67, Greece, October 2013

# Day 0: Thursday, October 3rd, 2013

- RIPE67 attendance confirmed, everything booked, woho!
- It's customary to bring a nice surprise 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

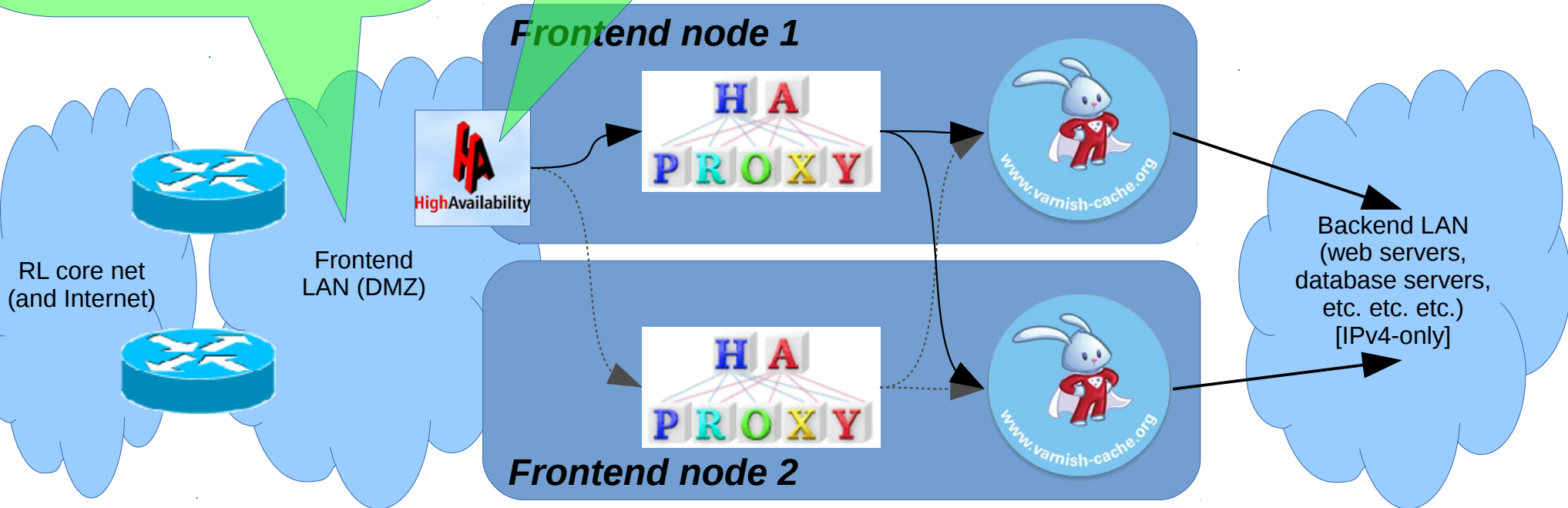
Step 1:  
Provision an IPv6 prefix  
to the frontend LAN



# Day 1: Friday, October 4rd, 2013

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

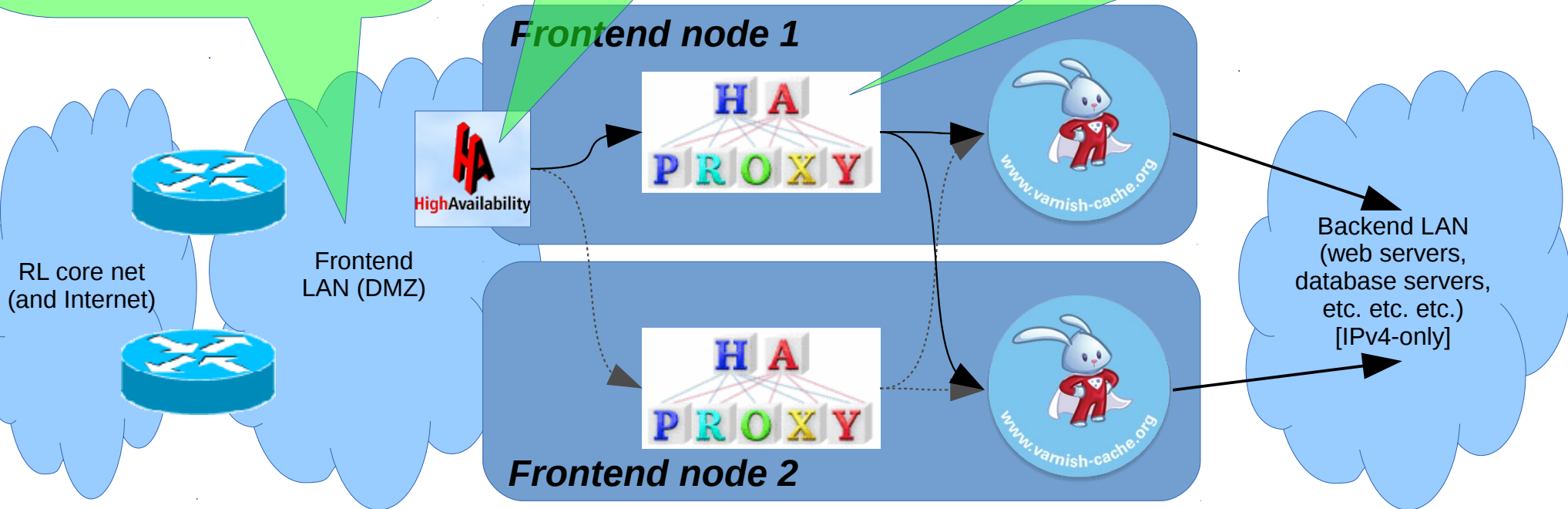


# Day 1: Friday, October 4rd, 2013

Step 1:  
Provision an IPv6 prefix to the frontend LAN

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

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



# Day 1: Friday, October 4rd, 2013

- 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:
  - Rapsidswitch: «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

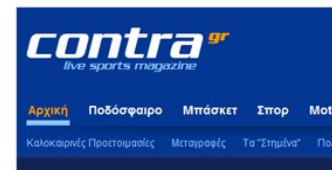
- AAAAs for sport24.gr and sub-domains added
- Doors open at RIPE67

# 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...)



Το SPORT 24 είναι το μεγαλύτερο και κορυφαίο σε επισκεψιμότητα αθλητικό portal στην Ελλάδα, παραμένοντας ένα από τα κυριότερα συνεργαζόμενα site του δικτύου της 24 MEDIA.



Το Contra.gr αποτελεί κορυφαίο αθλητικό site και παραμένει διαχρονικά ένας από τους δημοφιλέστερους προορισμούς στο ελληνικό internet.



Πενήντα πέντε χρόνια ιστορίας, παίκτες που έγιναν μύθοι, ομάδες που αναμόστησαν θρύλους, ένα πρωτάθλημα που λέγεται ότι είναι από άλλον πλανήτη.



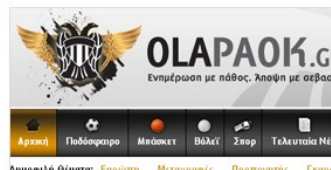
Το News247.gr μεταφέρει την πραγματική ειδηση με ταχύτητα, ακριβότητα και συνεχόμενη ροή, εστιάζοντας στα ουσιαστικά γεγονότα της ημέρας.



Το RED PLANET είναι το απόλυτο ειδησεογραφικό site για κάθε φίλο του Ολυμπιακού στην Ελλάδα και σε ολόκληρο τον κόσμο.



Το PRASINANEA είναι το ειδησεογραφικό portal αφιερωμένο στον Παναθηναϊκό και προσφέρει ευρύ φάσμα αθλητικών πληροφοριών και άλλων νέων που αφορούν τους οπαδούς του Παναθηναϊκού.



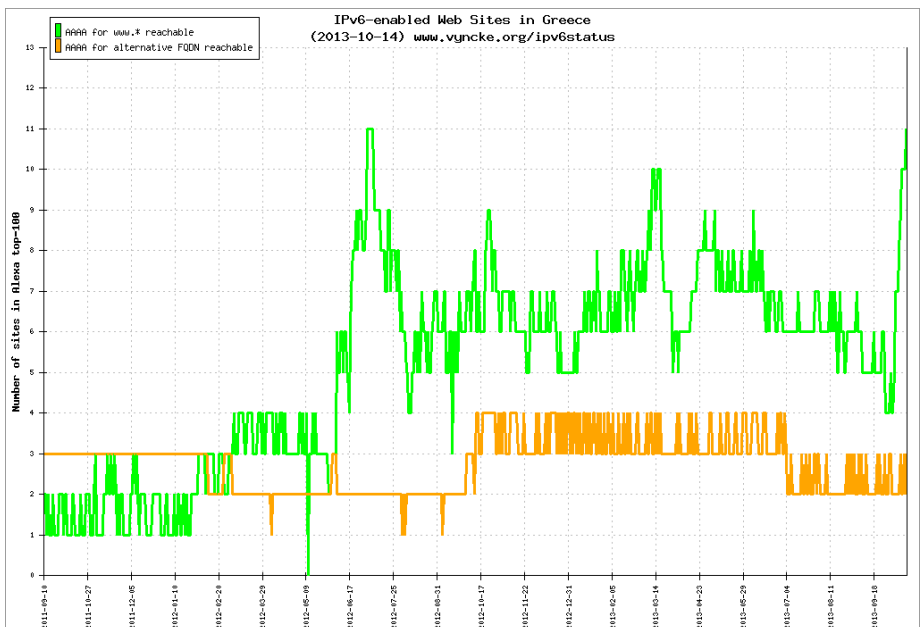
Το Ola Paok.gr είναι ένα portal αφιερωμένο στον ΠΑΟΚ.



Το Cosmo.gr αποτελεί ένα σύγχρονο και καινοτόμο μαγαζί που συνδυάζει την ενημέρωση με την ψυχαγωγία.



Online ανδρικό περιοδικό με άποψη, στυλ, γυναίκες και χούμορ



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