BARRACUDA NETWORKS
Our Roadmap to iPV6

iPV4 END CLOSER THAN EXPECTED…

- **Two important new items earlier this year made IPv4 address exhaustion something much more real than the theoretical discussion it had been thus far:**

- **Feb. 3, 2011 – IANA allocates final block of IPv4 addresses**

- **April 15, 2011 – Asia Pacific Network Information Center (APNIC) becomes the first Regional Internet Registry to exhaust its regional pool.**

Are you ready for the changes that IPv6 will bring?

Those are the most common questions about iPV6:

- Security
- Programming
- Transition exploitation.

PREREQUISITES

- Does your host/connection/routing even support IPv6 yet? And don't forget to include *your* connection, your servers' and your customers'/users' too.
- Do your routers, bridges and switches support IPv6?
- Does your DNS service support IPv6 (eg AAAA records, RFC3596) yet?
- Will your WiFi / IP phone / hot-desk systems work with IPv6?
- What parts of your code/system/logging are likely to break or otherwise need TLC?
- Are you intending to run dual-stack (ie both IPv6 and IPv4) from any/all hosts (servers, workstations, phones, gadgets)?
- How will you deal with IPv6 tunnelling, planned and rogue?
- How will your performance monitoring and user-tracking tools cope? (For example, do you track approximate user location by IPv4 address prefix?)
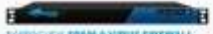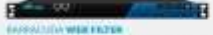
How do we get ready?

Barracuda Networks Product Overview

Barracuda Spam & Virus Firewall

Firmware version 5.1
Expected release Q3, 2011

IPv6 Email Transport

New IPv6 support provides email receipt and delivery over IPv6 networks. The Barracuda Spam & Virus Firewall can receive email traffic from an IPv6 network, apply content policies, and deliver email traffic to either an IPv4 or IPv6 network. Email traffic can also be redirected by policy to an IPv6 server. Barracuda Reputation, DNS, and other Layer 3 checks will continue to be IPv4 only.

Barracuda Web Filter

- Firmware version 5.2
- Expected release time: Q1, 2012
- All application modules need to be IPv6 compliant

Barracuda Web Application Firewall

Currently available in the latest firmware release (7.6.0)
This enables our customers to deploy their internet-facing
applications using IPv6 addresses.

The Barracuda Web Application Firewalls are normally deployed as
a proxy in front of Web servers. Apart from being a security best
practice, this mode of deployment provides an added advantage
during the IPv6 adoption phase.

Barracuda NG Firewall

- Firewall forwarding of IPv6
- IPS & Layer 7 application control
- Only static appliance IP addresses & routes are supported
- Only firewall-rule actions
  - Block
  - Deny
  - Pass
  - Cascade and Cascade Back

Barracuda SSL VPN

Firmware version 2.5
Expected release time: Q1, 2012

- iPV6 application support.
- iPV6 network support.

Barracuda Message Archiver

- Expected release time: Q2, 2012
- Firmware version 3.1
- Accept emails and retreive emails (POP3/IMAP) over IPv6. Stubbing in a subsequent release.

Barracuda Backup Server

- Firmware version 4.5
- Expected release time: Q3, 2012
- Accept data connections over IPv6.

Barracuda Link Balancer

- Firmware version 2.5
- Expected release time: Q1, 2012
- Full IPv6 support .

Barracuda Load Balancer

- Firmware version 4.1
- Expected release time: Q4, 2011
- Full IPv6 support .

Barracuda Email Security Service

- Expected release time: Q2, 2012
- Full IPv6 support .
- Accept and deliver emails over IPv6.

CONCLUSIONS

- Without the widespread adoption of IPv6 in the next two years, there is a very real threat to the integrity, stability and interoperability of the Internet. It is therefore vital that all Internet stakeholders, from governments and vendors to ISPs and telcos, work together to safeguard the growth and innovation that has made the Internet the success story that it has become.

CONCLUSIONS

- Many early adopters have deployed IPv6 in their Products like Barracuda Networks.
- For those who have not, there is the very real risk of escalating costs and of losing out to competitors who planned ahead and were able to deploy IPv6 strategically.

CONCLUSIONS

- The time to act is now!

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Thanks for attending!