



Check Point's World IPv6 Day Experience

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Starting Point



- No external IPv6 presence prior to World IPv6 Day
- Started receiving questions from customers asking if we were going to participate
- IT Team had little or no experience with IPv6
- We had an ARIN IPv6 allocation

Planning



- Goal to make www.checkpoint.com reachable via IPv6
- Worked out rough plan with IT Team
 - Mixture of education and planning
 - Keep it simple
- Set up meeting with local ISC IT Team so our IT folks could talk to IT folks who had done this before
 - Many thanks to ISC and Jim Martin

What we did



- Advertized our IPv6 prefix to our ISP (AboveNet) with BGP
- Ran dual stack
- Used our own Firewalls between the routers and load balancers
- We used our existing load balancers to front for the web servers
 - Meant we didn't have to touch the actual web servers



What we learned



- It was not as hard as the IT folks initially expected
- Our ISP and existing deployed equipment supported IPv6
- A few things didn't work in the software releases we were using that we were able to work around
- Adding dual stack IPv6 didn't degrade IPv4 service
- Load Balancer approached worked well

Conclusions



- We left it up!

- Concerns raised about 6to4 brokenness doesn't seem to be a big concern
 - No need to keep a white list

- Other organizations may be similar

QUESTIONS?

