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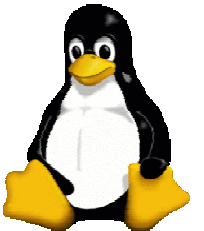
*(the 'co.za' administrators)*

***Posix***

*(My ISP)*

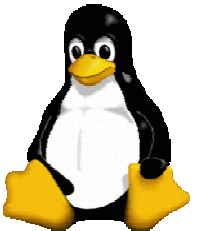
***APTLD***

***Kuala Lumpur***



# Topics

- **What is Anycast**
- **Why do I need AnyCast**
- **Is all AnyCast the same**
- **What Services can one use on an AnyCast server**
- **One More Solution - DIY**



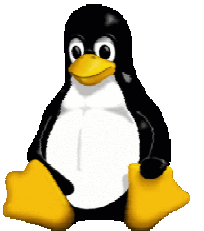
# What is Anycast

One early mention is in RFC1546  
by Partridge, Mendez & Milliken - November 1993

## *Their definition:*

There are a number of situations in networking where a host, application, or user wishes to locate a host which supports a particular service but, if several servers support the service, does not particularly care which server is used

AnyCasting as used by DNS is not "true" anycasting - we rely on Routers routing requests to the nearest instance - true AnyCast (perhaps as in IPv6) would allow multiple instances to be on the same LAN - with no routing involved.

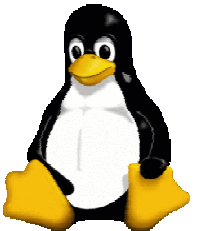


# *Why do I need AnyCast*

- Reliability
- Redundancy  
(National Pride / Security)
- Job Security  
(Not necessarily cost savings)

## *Suggestion:*

- Of five or so Nameservers, two should be AnyCast
- from different suppliers with different philosophies



# ***Are all AnyCast the same?***

## ***Differences:***

**Different philosophies**

**Commercial/Non-commercial**

**Different DNS Implementations/Codesets**

**Different costs/equipment**

**(But all similar goals)**

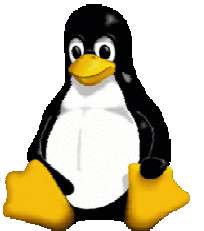
## ***Within a single provider:***

**Un-propagated by participants**

**Propagated by participants**

**Propagated by a 1st tier peer**

**(at last some instances of an AnyCast server  
must be globally propagated)**

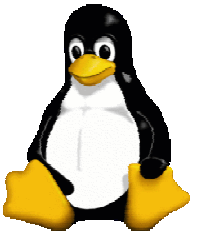


## ***What Services can one use on an AnyCast server?***

***- DNS***

***- Whois - CCTLD or Regional Registry***

***(any "read-only" service - with provisions)***



# One More Solution - Do It Yourself

*afcast.net*

- Currently under construction
- "For Profit"
- Interest from a number of African CCTLD's (South Africa, Egypt, Kenya + Others)
- Interest from AfriNIC (the African APNIC)
  
- Have potential instances in Africa
- Two potential instances in Europe
- Looking for potential nodes in USA
- Looking for Offers in Asia-Pacific

Look forwards to "any.afcast.net"

*APTLD*

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