Draft History

- Individual submission, draft-kurtis-anycast-bcp-01.txt
- Present on the IETF 61 grow agenda
- Consensus to adopt as wg document
- draft-ietf-grow-anycast-00 submitted in February
Anycast Deployment

• AS112
• Various DNS Root (and other) services
• Intra-AS service distribution (SMTP, RADIUS, DNS Resolvers, others)
• Regional content delivery (HTTP, FTP)
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• Kurtis Lindqvist <kurtis@kurtis.pp.se>
Motivations

- There is increasing anycast deployment for all kinds of services, and no good reference for service architects
  - not just DNS – lots of other services
  - what documentation does exist is very DNS-specific
- There is little consistency in nomenclature or taxonomy
Hierarchical Anycast for Global Service Distribution (ISC technical note)

A Software Approach to Distributing Requests for DNS Service (ISC technical note)

Operational experience of distributing F-Root and I-Root
Taxonomy

• Service Address
• Anycast, Anycast Node
• Local Nodes, Global Nodes
Design

• Goals of service distribution
• Protocol Suitability
• Node Placement
• Routing Considerations
• Addressing Considerations
Design

- Data Synchronisation
- Node Autonomy
- Multi-Service Nodes
Operation

- Monitoring
Contentious Issues

- Multi-Service Nodes
- IPv6 Scoped Anycast Addresses
- Allegations of DNS-Centricity (who, us?)
Next Steps

- Further refinement to WG last-call
- With the WG’s support, request that the document be published as a BCP