

IETF Activities Update

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ARIN XVIII

October 11, 2006

Site Multihoming by IPv6 Intermediation (SHIM6)

- <http://tools.ietf.org/wg/shim6>
- 3 Core docs are in WG Last Call now:
 - “Hash Based Addresses (HBA)” (shim6-hba)
 - “Level 3 Multihoming Shim Protocol” (shim6-proto)
 - “Failure Detection and Locator Pair Exploration Protocol For IPv6 Multihoming” (shim6-failure-detection)
- Then to IETF LC and IESG for consideration & approval
- Last chance to review is effectively now

IPv6 WG

- <http://tools.ietf.org/wg/ipv6/>
- Maintenance/wrap up mode
- No face-to-face meeting in almost a year
- 3 (revised RFC) documents almost finished:
 - “Neighbor Discovery for Ipv6” (ipv6-2461bis)
 - “IPv6 over PPP” (ipv6-over-ppp-v2)
 - “Privacy Extensions for Stateless Address Autoconfiguration for IPv6” (ipv6-privacy-addr-v2)

IPv6 WG (cont.)

- “IPv6 Address Allocation to End Sites” (narten-ipv6-3177bis-48boundary)
 - Under discussion (not an official WG doc at this time)
 - Some “heated” discussion immediately after Montreal IETF; authors need to restart/followup.
- “Centrally Assigned Unique Local Addresses”
 - Expired WG document
 - Previously put on hold by the WG
 - No movement or attempt to revive (is there interest?)

V6 Operations (V6OPS)

- <http://tools.ietf.org/wg/v6ops/>
- Active:
 - “Using IPsec to Secure Ipv6-in-IPv4 Tunnels” (v6ops-ipsec-tunnels)
- IESG processing:
 - “IPv6 Enterprise Network Analysis” (v6ops-enterprise-analysis)
 - “ISP IPv6 Deployment Scenarios in Broadband Access Networks” (v6ops-bb-deployment-scenarios)
 - “Recommendations for Filtering ICMPv6 Messages in Firewalls” (v6ops-icmpv6-filtering-bcp)

V6OPS (cont.)

- IESG processing:
 - “IPv6 Network Architecture Protection” (v6ops-nap)
 - “Reasons to Move NAT-PT to Experimental” (v6ops-natpt-to-exprmntl)
 - “IPv6 Transition/Co-existence Security Considerations” (v6ops-security-overview)

Softwires WG

- <http://tools.ietf.org/wg/softwires>
- In IESG:
 - “Softwire Problem Statement” (softwire-problem-statement)
- Active Docs:
 - “IPv4 unicast/multicast VPNs over an Ipv6 core” (softwire-4over6vpns)
 - “Softwires Hub & Spoke Deployment Framework with L2TPv2” (softwire-hs-framework-l2tpv2)
 - “Softwire Security Analysis and Requirements” (softwire-security-requirements)

DNS Operations (DNSOP)

- <http://tools.ietf.org/wg/dnsop/>
- In RFC Queue:
 - “Observed DNS Resolution Misbehavior”
(dnsop-bad-dns-res)
- Active Documents:
 - “Locally Served Zones” (dnsop-default-local-zones)
 - “Preventing Use of Recursive Nameservers in Reflector Attacks” (dnsop-reflectors-are-evil)

DNSOP (cont.)

- Active Documents:
 - “DNS Referral Response Size Issues” (dnsop-respsize)
 - “Considerations for the use of DNS Reverse Mapping” (dnsop-reverse-mapping-considerations)
 - “Requirements for a Mechanism Identifying a Name Server Instance” (dnsop-serverid)

DNS Extensions (DNSEXT)

- <http://tools.ietf.org/wg/dnsext>
- IESG Review:
 - “DNS Server Identifier Option” (dnsext-nsid)
- Active documents:
 - “Automated Updates of DNSSEC Trust Anchors” (dnsext-trustupdate-timers)
 - “Update to DNAME Redirection” (dnsext-rfc2672bis-dname)
 - Numerous additional DNSSEC related docs

Global Routing Operations (GROW)

- <http://tools.ietf.org/wg/grow>
- Recent RFCs:
 - “BGP MULTI_EXIT_DISC (MED) Considerations” (RFC 4451)
- IESG Processing:
 - “Operation of Anycast Services” (grow-anycast)
- Active
 - MRT Routing Information Export Format” (grow-mrt)

Operational Security Capabilities for IP Networks (OPSEC)

- <http://tools.ietf.org/wg/opsec>
- IESG Processing:
 - “Operational Security Current Practices” (opsec-current-practices)
- Active Documents
 - “Service Provider Infrastructure Security” (opsec-infrastructure-security)

OPSEC (cont.)

- Active Documents:
 - “Framework for Operational Security Capabilities for IP Network Infrastructure” (opsec-framework)
 - “Filtering and Rate Limiting Capabilities For IP Network Infrastructure” (opsec-filter-caps)

BOFs

- IETF BOF WIKI summarizes recent and upcoming BOF activities:
 - <http://www1.tools.ietf.org/bof/trac/wiki>
 - Includes (early) topics for which BOF won't necessarily be approved
- Officially approved BOFs:
 - <http://tools.ietf.org/agenda/67>
- Next IETF: November 5-10, San Diego, CA

Questions?