

Note Well & V6OPS WG Status

IETF 117

- Chairs: Ron Bonica, XiPeng Xiao
 - Advisor: Fred Baker
 - AD: Warren Kumari

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We work as Individuals, and try to be nice to each other

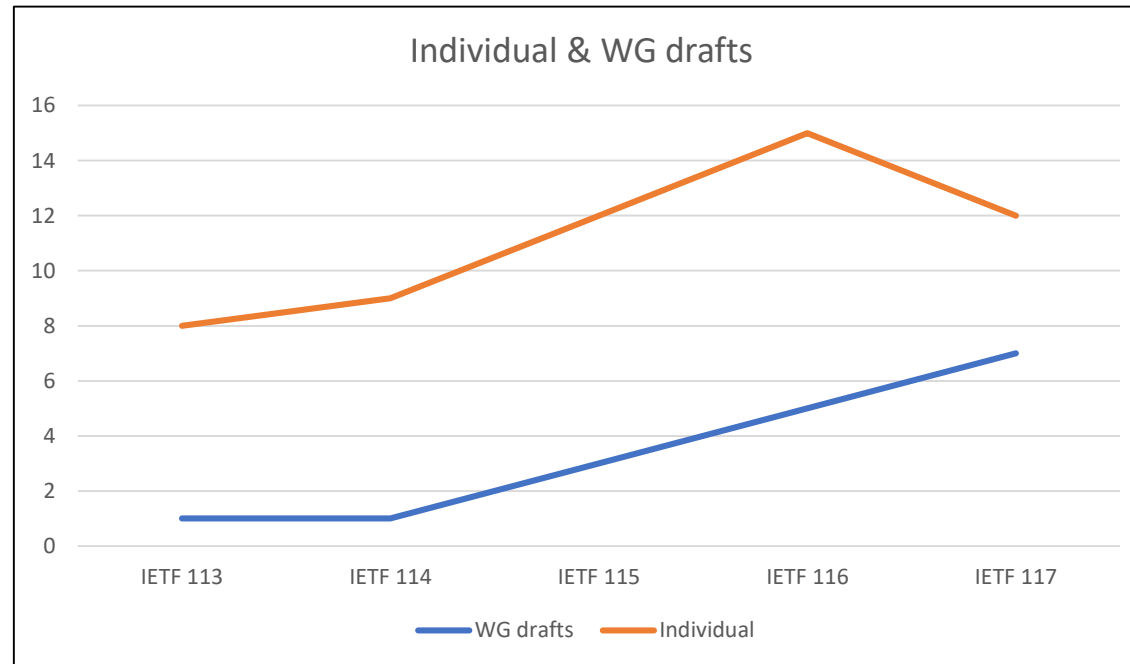
House Keeping

- Please scan QR code to sign blue sheet
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Agenda: 4 WG Drafts, 6 Individual

- Chairs' opening, 5m
- 4 WG Drafts
 - Selectively Isolating Hosts to Prevent Potential Neighbor Discovery Issues and Simplify IPv6 First-hops, XiPeng Xiao, 10m
 - Architecture and Framework for IPv6 over Non-Broadcast Access, Pascal Thubert, 10m
 - Using DHCP-PD to Allocate Unique IPv6 Prefix per Device in Broadcast Networks, Jen Linkova, 20m
 - Framework of Multi-domain IPv6-only Underlay Networks and IPv4 as a Service, Chongfeng Xie, 10m
- 6 Individual Drafts
 - Use of the IPv6 Flow Label for WLCG Packet Marking, Dale Carder, 10m
 - Deep Dive into IPv6 Extension Header Testing: Cloud, Nalini Elkins, 10m
 - IPv6 Site connection to many Carriers, Paolo Volpato, 10m
 - Extension Header Use Cases, Mike McBride, 10m
 - IPv6 only iterative resolver utilising NAT64, Momoka Yamamoto, 10m
 - IPv6 CE Routers LAN Prefix Delegation, Tim Winters, 10m
- **Side meeting – Thur 15:30-17:00, Continental 2-3**
 - AWS IPv6 deployment case sharing, Alexandra Huides, 50m
 - Panel discussion: US Government IPv6 mandates & impact to global companies doing business with USG – Phillip Tiesel (SAP), Nick Buraglio (ESnet), George Dilger (Dell), 40m

V6OPS Status in Numbers



- Attendees stable around 120 (128 in IETF 116, a recent record)
- How to measure WG in quality & industry impact?
 - Are we solving the key IPv6 challenges: (1) lack of motivation, (2) lack of knowledge, (3) legacy devices not support IPv6, (4) operations issues?

Call for Contribution to Important Works

- Brian Carpenter's free IPv6 textbook – **10 contributors, 321 commits (was 9/293 in IETF 116)**
 - <https://github.com/becarpenter/book6>
 - Only need a valid GitHub account to contribute
- Mike/Nalini's "Enterprise IPv6 issues" – **working on a BCP**
 - Invite everybody to participate in discussion, help to identify, document & solve issues
- Any other tasks we should do?
 - Investigate the disconnect between IPv6 user adoption % and IPv6 traffic %
 - Measure IPv6 packet loss rate (PLR) and investigate why it's higher than IPv4 PLR
 - Can we articulate the advantages of IPv6 over IPv4, other than providing more addresses?