

QUEBEC CITY

IETF 81

July 24-29, 2011

*Sponsored by*



**I E T F**<sup>®</sup>  
Version 02  
Updated 2011-07-22  
1100 EDT

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## Area Directors

### Applications Area (APP)

- Pete Resnick, Qualcomm
- Peter Saint-Andre, Cisco Systems

### General Area (GEN)

- Russ Housley, Vigil Security, LLC

### Internet Area (INT)

- Jari Arkko, Ericsson
- Ralph Droms, Cisco Systems

### Operations and Management Area (OPS)

- Ronald Bonica, Juniper Networks
- Dan Romascanu, Avaya

### Real-time Applications and Infrastructure Area (RAI)

- Gonzalo Camarillo, Ericsson
- Robert Sparks, Tekelec

### Routing Area (RTG)

- Stewart Bryant, Cisco Systems
- Adrian Farrel, Juniper Networks

### Security Area (SEC)

- Stephen Farrell, Trinity College Dublin
- Sean Turner, IECA, Inc.

### Transport Area (TSV)

- Wesley Eddy, MTI Systems
- David Harrington, HuaweiSymantec

## Welcome from the IETF Chair

Welcome to IETF 81 in Quebec City! I'm looking forward to collaborating with many talented and enthusiastic people during the week.

Please extend your thanks to our meeting host: Research In Motion (RIM). I am told that the social event at the Musée de la Civilisation on Tuesday evening will be quite wonderful. In addition, **.ca** and Comcast are sponsoring parts of the meeting, and Bell and Telus are providing the network connectivity. If you see someone with a green dot on their badge, please thank them.



The Nominations Committee (NomCom) is just getting started for leadership positions that start in March 2012. If you have thoughts about potential IAB, IESG, and IAOC members, please talk to someone with an orange dot.

First-time attendees have a "New Attendee" badge banner. Please welcome the newcomers and answer their questions about the IETF culture.

Depletion of the IANA IPv4 address pool last February has not resulted in a meltdown of the Internet. It has not created a crisis. However, there is a need for action. Please help everyone implement dual stack to support both IPv4 and IPv6. Some people demonstrated that IPv6 can be quite successful on *World IPv6 Day* on 8 June 2011. This event was a rigorous 24-hour global test flight of coexisting IPv4 and IPv6 services in the Internet. The IETF web site has supported IPv6 for many years, and it was part of this event. Learn more about what happened, and what did not happen, at:

<http://www.internetsociety.org/worldipv6day/>

I look forward to your participation this week, and I look forward to seeing you at IETF 82 in Taipei, Taiwan on 13-18 November 2011.

Thanks for all you do for the Internet!

A handwritten signature in black ink that reads "Russ Housley". The signature is fluid and cursive, with a long, sweeping underline.

Russ Housley  
IETF Chair

## Key Meeting Contacts

Network Connectivity and Audio Streaming  
Issues: **noc@ietf.org**.

All other meeting issues: **mttd@ietf.org**.

## Registration

Location: 2000 A (Level 2)

DAY/DATE	HOURS
Sunday	1100 – 1900
Monday	0800 – 1800
Tuesday	0800 – 1800
Wednesday	0800 – 1700
Thursday	0800 – 1700
Friday	0800 – 1100

Note: To request a hard copy receipt, please send an email to [registrar@ietf.org](mailto:registrar@ietf.org). All requested hard copy receipts will be available for pick up at the registration desk starting at 0800 on Wednesday, July 27, 2011.

## Terminal Room

The Terminal Room will be in 2000 D (Level 2). Your IETF name badge is required for entry and 24-hour access is available starting at 1600 Sunday, July 24 through 1500 Friday, July 29.

## Badges and Dots

Please wear your badge at all times.

### Dot Key:

Blue: Working Group & BOF Chairs  
Red: IAB  
Yellow: IESG  
Purple: IAOC  
Pink: IRSG  
Green: Host  
Orange: NomCom  
Brown: Acting RFC Series Editor

### Banner Key:

Maroon Banner: First-Time Attendee  
Orange Banner: Press

If you see attendees wearing the "New Attendee" banner, please make an effort to make them feel welcome and answer any questions they may have.

## Food & Beverage Service

### Sunday Welcome Reception

1700 – 1900 in 2000 ABC (Level 2)

### Beverage and Snack Service:

Available in 2000ABC (Level 2)

Monday: 0800-0900 (Continental Breakfast)  
1610-1630 (Beverage & Snack)  
Tuesday: 0800-0900 (Continental Breakfast)  
1500-1520 (Beverage & Snack)  
Wednesday: 0800-0900 (Continental Breakfast)  
1610-1630 (Beverage & Snack)  
Thursday: 0800-0900 (Continental Breakfast)  
1500-1520 (Beverage only)  
1720-1740 (Beverage & Snack)  
Friday: 0800-0900 (Continental Breakfast)

\* Lunch and dinner are not provided.

## Lost and Found

Please turn in all "found" items to the IETF Registration Desk, 2000 A (Level 2).

## Social Event

Where: Musée de la Civilisation

Date: Tuesday, July 26, 2011

Time: 1930-2200

Host: RIM

Cost: \$35 USD per person

More info:

<http://www.ietf.org/meeting/81/social.html>

Register:

<https://www.ietf.org/registration/ietf81/eventticket.py>

## Message Board

Located near the IETF Registration Desk. The message board contains important information such as agenda changes, incoming phone messages and messages to other attendees. Please do not post resumes, job openings or solicitations of any kind.

## Meeting Communication

<p><b><u>Troubleshooting</u></b></p> <p>When reporting problems, please be as specific as possible in your message and remember to include the room name.</p> <p>For network connectivity and audio streaming issues, please contact <a href="mailto:noc@ietf.org">noc@ietf.org</a>.</p> <p>For all other meeting issues, including A/V and environmental issues (e.g. noise, temperature), please contact <a href="mailto:mtd@ietf.org">mtd@ietf.org</a>.</p>	<p><b><u>Audio Streaming</u></b></p> <p>Audio streaming during the meeting can be accessed at:</p> <p><a href="http://ietf81streaming.dnsalias.net/ietf/">http://ietf81streaming.dnsalias.net/ietf/</a></p> <p>Following the meeting, the audio archives will be housed on the IETF website at:</p> <p><a href="http://www.ietf.org/audio/ietf81/">http://www.ietf.org/audio/ietf81/</a></p>
<p><b><u>Jabber Rooms</u></b></p> <p>Jabber rooms are available for each session and use the name of the working group:</p> <p><b>[wg]@jabber.ietf.org</b></p> <p>Logging is automatically enabled in each room. The logs are located here: <a href="http://jabber.ietf.org/logs/">http://jabber.ietf.org/logs/</a></p> <p>For more information about Jabber, see <a href="http://www.jabber.org/">http://www.jabber.org/</a></p>	<p><b><u>Meeting Mail Lists</u></b></p> <p><b>81ALL</b> Everyone who has registered for the meeting is subscribed to 81ALL. The list is reserved for official communication from the IETF Administrative Director (IAD) and the Secretariat. <b>Attendees cannot send to this list.</b></p> <p><b>81ATTENDEES</b> This list is intended for community discussions during the meeting and all subscribers can send to this list. Subscribe and unsubscribe at <a href="http://www.ietf.org/mailman/listinfo/81attendees">www.ietf.org/mailman/listinfo/81attendees</a>. This mailing list will expire 30 days after meeting.</p>

## Note Well

Any submission to the IETF intended by the Contributor for publication as all or part of an IETF Internet-Draft or RFC and any statement made within the context of an IETF activity is considered an "IETF Contribution". Such statements include oral statements in IETF sessions, as well as written and electronic communications made at any time or place, which are addressed to:

- The IETF plenary session
- The IESG, or any member thereof on behalf of the IESG
- Any IETF mailing list, including the IETF list itself, any working group or design team list, or any other list functioning under IETF auspices
- Any IETF working group or portion thereof
- Any Birds of a Feather (BOF) session
- The IAB or any member thereof on behalf of the IAB
- The RFC Editor or the Internet-Drafts function
- 

All IETF Contributions are subject to the rules of [RFC 5378](#) and [RFC 3979](#) (updated by [RFC 4879](#)).

Statements made outside of an IETF session, mailing list or other function, that are clearly not intended to be input to an IETF activity, group or function, are not IETF Contributions in the context of this notice.

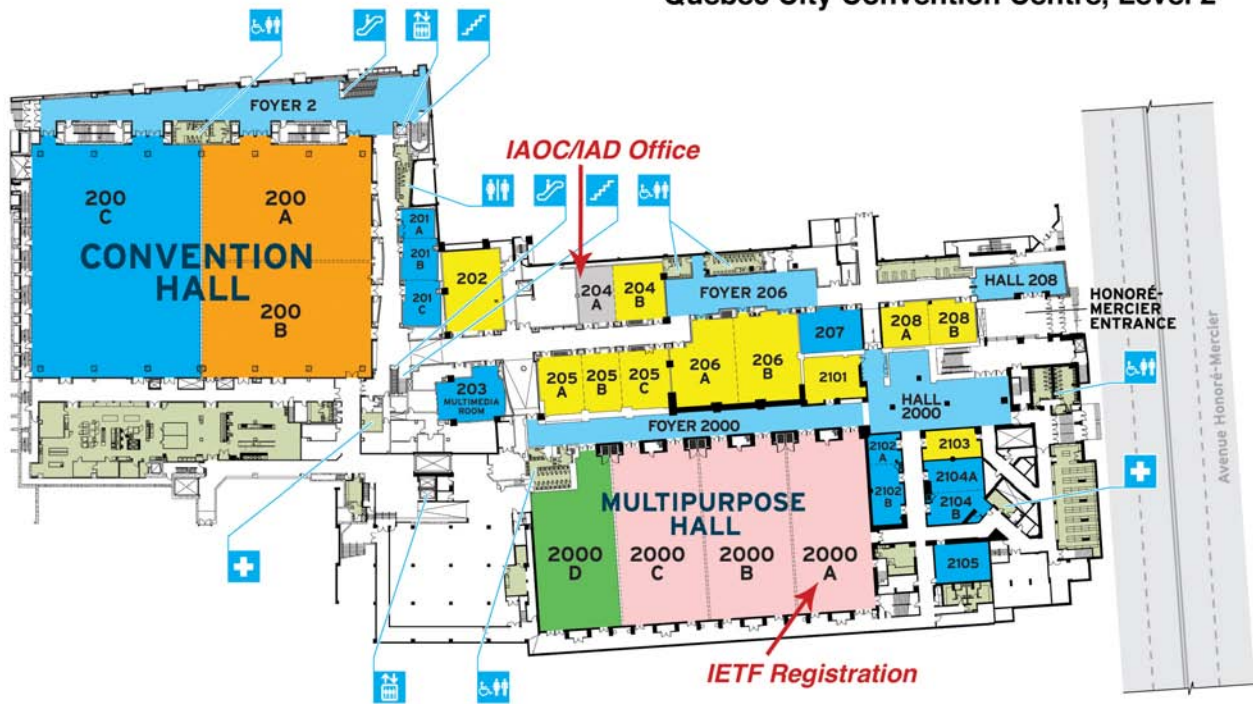
Please consult [RFC 5378](#) and [RFC 3979](#) for details.

A participant in any IETF activity is deemed to accept all IETF rules of process, as documented in Best Current Practices RFCs and IESG Statements.

A participant in any IETF activity acknowledges that written, audio and video records of meetings may be made and may be available to the public.

## Floor Plans

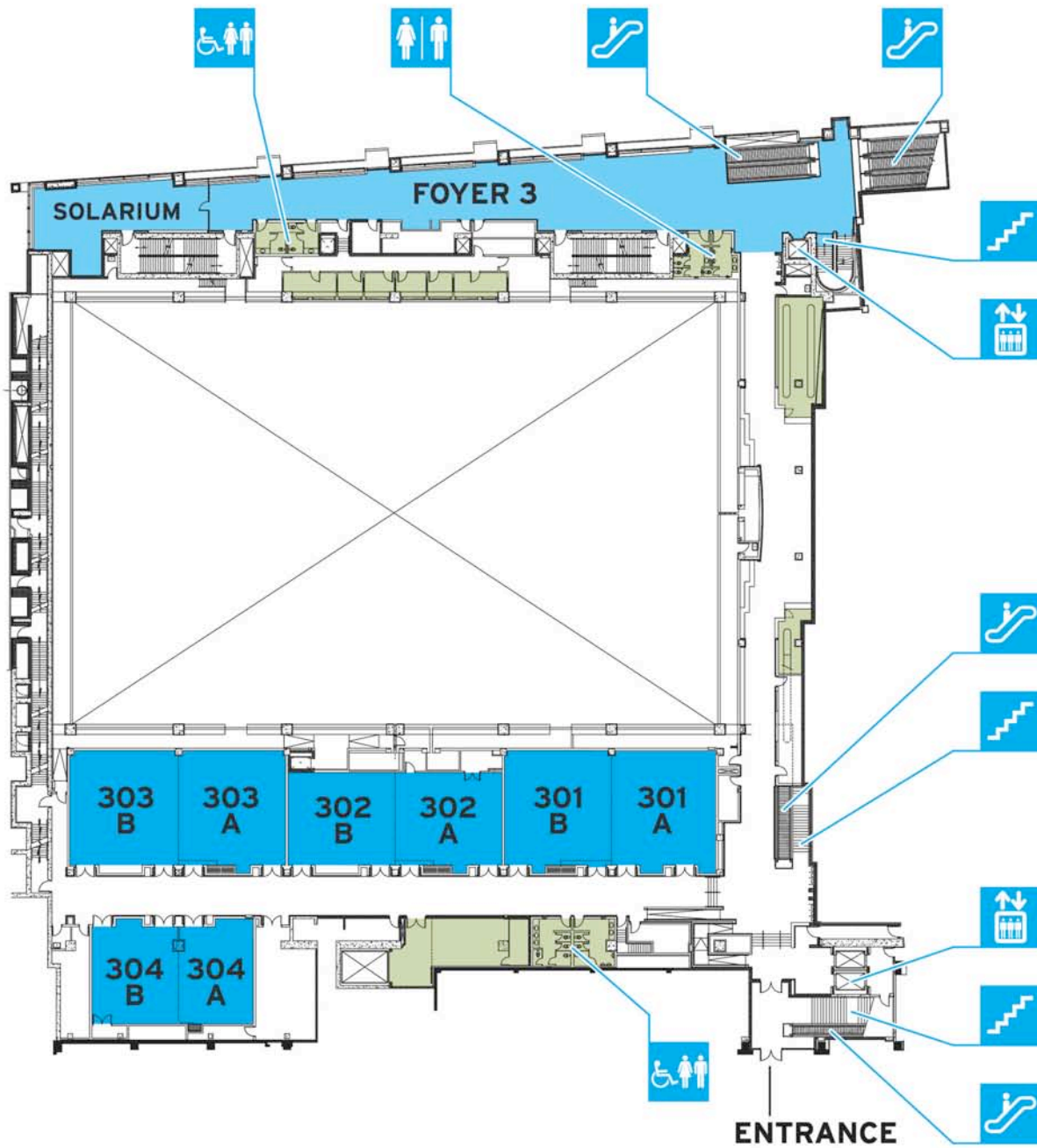
### Québec City Convention Centre, Level 2



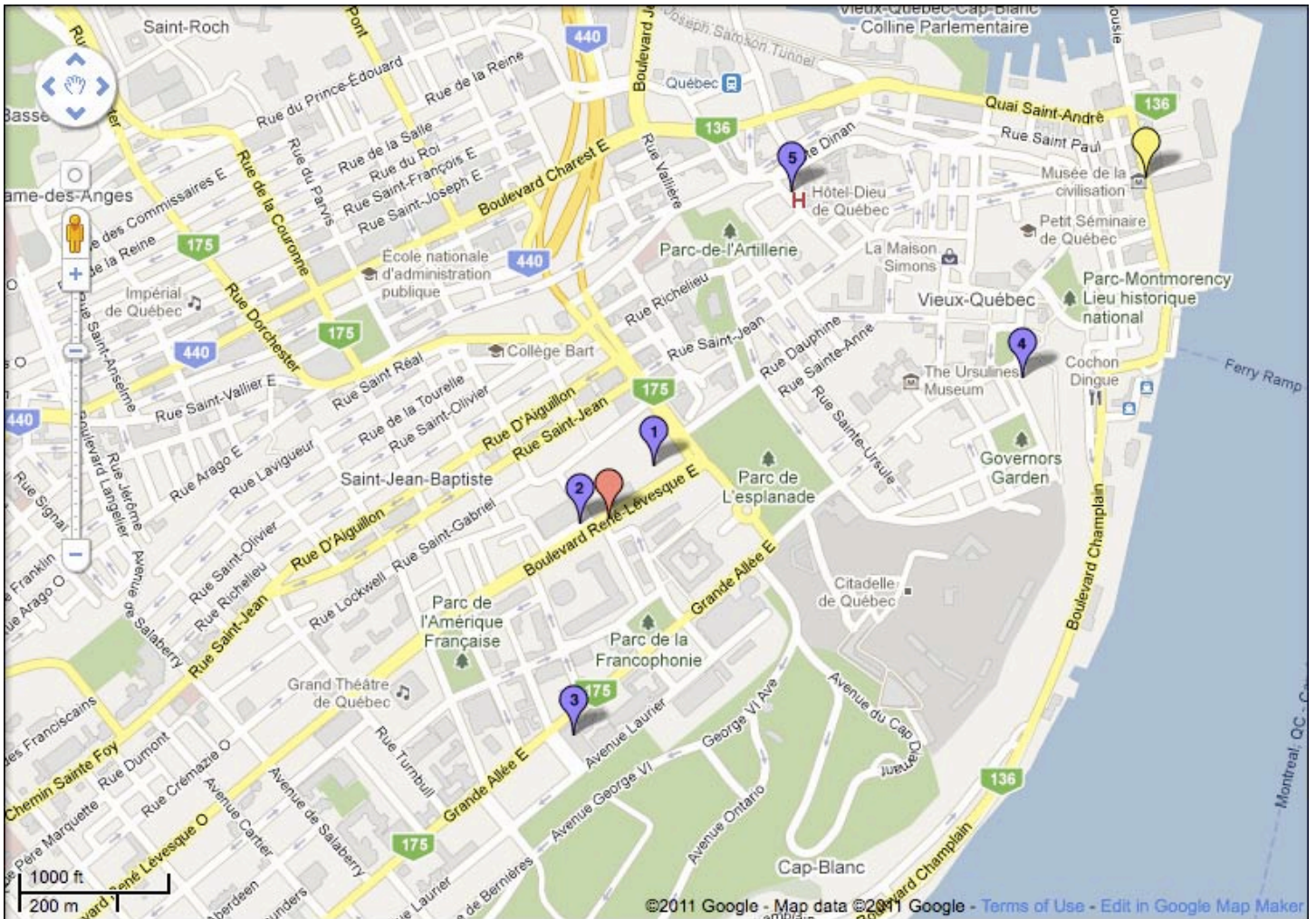
- Registration - 2000 A; Breaks - 2000 BC
- Terminal Room - 2000 D
- Plenary Sessions - 200 AB
- Breakout Rooms - 202, 204 B, 205 ABC, 206 A, 206 B, 208 AB, 2101, 2103
- IAOC/IAD Office - 204 A



## Québec City Convention Centre, Level 3



## Area Map



-  Quebec City Convention Centre
-  1 Hilton Quebec
-  2 Delta Hotel - Québec City
-  3 Loews Hotel Le Concorde
-  4 Fairmont Le Château Frontenac
-  5 Hôtel-Dieu de Québec
-  Musée de la Civilisation

See also: <http://maps.google.com/maps/ms?msid=216838965031765977604.0004a40d3aeb3a39abd52&msa=0&ll=46.806405,-71.252861&spn=0.133946,0.3162>

## Agenda of IETF 81, July 24-29, 2011

Updated 2011-07-22 07:29 PDT  
IETF agendas are subject to change, up to and during the meeting.

### SATURDAY, July 23, 2011

0930-1700 Code Sprint - 2000 D

### SUNDAY, July 24, 2011

1100-1900 IETF Registration - 2000 A

1000-1200 IEPG Meeting - 206 B

1300-1450 Newcomer's Training - 206 B

1300-1450 Working Group Leadership Tutorial - 206 A

1300-1450 Newcomer's Training (French) - 205 ABC

1400-1600 Apps Area Preparatory Meeting for Internationalization Working Groups - 2103

1500-1650 Tools for Creating Internet-Drafts Tutorial - 206 B

1500-1650 Bringing New Work to the IETF - 206 A

1600-1700 Newcomer's Meet and Greet (open to Newcomers and WG chairs) - Verriere - 3rd Floor

1700-1900 Welcome Reception - 2000 ABC

### MONDAY, July 25, 2011

0800-1800 IETF Registration - 2000 A

0800-0900 Continental Breakfast - 2000 BC

#### 0900-1130 Morning Session I

~~208 AB APP httpauth HTTP Authentication BOF - Cancelled~~

208 AB APP apparea/  
appsawg Applications Area Open Meeting / Applications Area Working Group

204 B INT multimob

Multicast Mobility WG

206 A IRTF dtnrg

Delay-Tolerant Networking Research Group

2101 OPS radext

RADIUS EXTensions WG

205 ABC RAI dispatch

Dispatch WG

206 B RTG mpls

Multiprotocol Label Switching WG

202 TSV ippm

IP Performance Metrics WG

2103 TSV nfsv4

Network File System Version 4 WG

1130-1300 Break

#### 1300-1500 Afternoon Session I

202 APP websec

Web Security WG

2101 INT lisp

Locator/ID Separation Protocol WG

206 B INT trill

Transparent Interconnection of Lots of Links WG

205 ABC OPS multrans

Multicast Transition BOF

2103 OPS netconf

Network Configuration WG

206 A RAI ecrit

Emergency Context Resolution with Internet Technologies WG

204 B SEC pkix

Public-Key Infrastructure (X.509) WG

208 AB TSV ppsp

Peer to Peer Streaming Protocol WG

#### 1510-1610 Afternoon Session II

2103 APP repote

Reputation Services BOF

206 A RAI sipcore

Session Initiation Protocol Core WG

2101 RTG forces

Forwarding and Control Element Separation WG

202 RTG isis

IS-IS for IP Internets WG

204 B TSV pcn

Congestion and Pre-Congestion Notification WG

1610-1630 Afternoon Beverage and Snack Break I - 2000 BC



## **MONDAY, July 25, 2011 (continued)**

### **1630-1930 Technical Plenary – 200 AB**

1630 - 1700

1. Welcome
2. IRTF Chair's Report - Lars Eggert
3. IAB Chair's Report - Bernard Aboba
4. RSOC Report - Fred Baker

1700 - 1745

Technical Session I: "Report from World IPv6 Day"

Moderators: Fred Baker and Leslie Daigle

*On 8 June, major websites and major content delivery networks joined together for the first global-scale trial of IPv6. In this session, panelists will explore the lessons from this important event.*

1745 - 1915

Technical Session II: "The Web Privacy Tussle"

Panel session moderated by Alissa Cooper

Speakers:

- Jens Grossklags (Pennsylvania State University)
- Fred Carter (Office of the Information and Privacy Commissioner, Ontario, Canada)
- Andy Zeigler (Microsoft)

*Designers of Internet protocols, services, and applications are increasingly being confronted with challenges associated with protecting the privacy of individual Internet users. Past efforts to build privacy features into Internet standards have met with mixed results, while attempts to fully comprehend and document the privacy consequences of Internet protocols more broadly remain in a nascent stage.*

*The web platform in particular has become an arena where privacy issues are emerging with increasing frequency. This plenary will explore the web privacy "tussle" by providing a diversity of perspectives on the tensions and motivations behind some of the privacy struggles that are currently exhibiting themselves on the web. By examining past attempts at addressing privacy issues within Internet standards and technologies, the panel provides an opportunity for the IETF community to better understand the aspects of privacy that are relevant to protocol design and the appropriate scope of privacy work in the IETF.*

1915 - 1930

IAB Open Microphone Session

1930

Adjourn

## TUESDAY, July 26, 2011

0800-1800 IETF Registration - 2000 A

0800-0900 Continental Breakfast - 2000 BC

### 0900-1130 Morning Session I

2103	APP	eai	Email Address Internationalization WG
204 B	APP	httpbis	Hypertext Transfer Protocol Bis WG
208 AB	IRTF	p2prg	Peer-to-Peer Research Group
205 ABC	OPS	v6ops	IPv6 Operations WG
206 A	RAI	geopriv	Geographic Location/Privacy WG – Combined with xmpp
<del>2101</del> 206 A	RAI	xmpp	Extensible Messaging and Presence Protocol WG – Combined with geopriv
206 B	RTG	ccamp	Common Control and Measurement Plane WG
202	TSV	tcpm	TCP Maintenance and Minor Extensions WG

1130-1300 Break

### 1300-1500 Afternoon Session I

204 B	APP	paws	Protocol to Access WS database WG
208 AB	INT	pcp	Port Control Protocol WG
206 A	OPS	dnsop	Domain Name System Operations WG
2101	OPS	netmod	NETCONF Data Modeling Language WG
205 ABC	RAI	rtcweb	Real-Time Communication in WEB-browsers WG
2103	RTG	pim	Protocol Independent Multicast WG
202	SEC	emu	EAP Method Update WG
206 B	TSV	alto	Application-Layer Traffic Optimization WG

1500-1520 Afternoon Beverage and Snack Break I - 2000 BC

### 1520-1700 Afternoon Session II

205 ABC	INT	6man	IPv6 Maintenance WG
2101	IRTF	nmrg	Network Management Research Group
2103	RAI	drinks	Data for Reachability of Inter/tra-Network SIP WG
204 B	RAI	soc	SIP Overload Control WG
208 AB	RTG	manet	Mobile Ad-hoc Networks WG
202	RTG	pwe3	Pseudowire Emulation Edge to Edge WG
206 A	SEC	woes	Web Object Encryption and Signing BOF
206 B	TSV	decade	Decoupled Application Data Enroute WG

### 1710-1810 Afternoon Session III

2103	APP	vcaddav	vCard and CardDAV WG
204 B	APP	yam	Yet Another Mail WG
205 ABC	INT	6man	IPv6 Maintenance WG
206 B	RAI	raiarea	Real-time Applications and Infrastructure Area Open Meeting
208 AB	RTG	manet	Mobile Ad-hoc Networks WG
202	RTG	pwe3	Pseudowire Emulation Edge to Edge WG
2101	TSV	storm	STORage Maintenance WG

## WEDNESDAY, July 27, 2011

0800-1700 IETF Registration - 2000 A

0800-0900 Continental Breakfast - 2000 BC

### 0900-1130 Morning Session I

206 B APP core Constrained RESTful Environments WG

205 ABC INT softwire Softwires WG

~~2103 IRTF hiprg Host Identity Protocol~~

~~- Moved TO Thursday Morning Session I 0900-1130~~

202 IRTF irtf IRTF Open Meeting

~~202 2101~~ OPS opsarea Operations & Management Area Open Meeting

~~- Combined with OPSAWG~~

~~202 2101~~ OPS opsawg Operations and Management Area WG

~~- Combined with OPSAREA~~

208 AB RAI avtcore Audio/Video Transport Core Maintenance WG

206 A RTG idr Inter-Domain Routing WG

~~2101 2103~~ SEC oauth Web Authorization Protocol WG

204 B TSV mptcp Multipath TCP WG

1130-1300 Break

### 1300-1500 Afternoon Session I

202 APP core Constrained RESTful Environments WG

208 AB INT homenet Home Networking BOF

2101 OPS ipfix IP Flow Information Export WG

204 B RAI cuss Call Control UI Service for SIP WG

206 A RTG karp Keying and Authentication for Routing Protocols WG

206 B RTG mpls Multiprotocol Label Switching WG

2103 SEC nea Network Endpoint Assessment WG

205 ABC TSV conex Congestion Exposure WG

### 1510-1610 Afternoon Session II

2101 APP sieve Sieve Mail Filtering Language WG

206 A OPS 6renum IPv6 Site Renumbering WG

205 ABC RAI avtext Audio/Video Transport Extensions WG

~~202 RTG l2vpn Layer 2 Virtual Private Networks WG~~

~~- Moved TO Thursday Afternoon Session I 1300-1500~~

202 RTG rtgwg Routing Area Working Group WG

~~- Moved FROM Thursday Afternoon Session I 1300-1500~~

208 AB SEC cicm Common Interface to Cryptographic Modules BOF

206 B TSV behave Behavior Engineering for Hindrance Avoidance WG

2103 TSV nfsv4 Network File System Version 4 WG

1610-1630 Afternoon Beverage and Snack Break I - 2000 BC

### 1630-1930 IETF Operations and Administration Plenary - 200 AB

1. Welcome
2. Host Presentation
3. Postel Award
4. Reporting
  - IETF Chair Report
  - NOC Report
  - IAOC Chair & IAD Reports
  - Trust Chair Report
  - NomCom Chair Report
5. Recognition
6. IAOC Open Mic
7. IESG Open Mic

## THURSDAY, July 28, 2011

0800-1700 IETF Registration - 2000 A

0800-0900 Continental Breakfast - 2000 BC

### 0900-1130 Morning Session I

204 B INT dhc Dynamic Host Configuration WG

~~202 IRTF irtf IRTF Open Meeting~~

~~- Moved TO Wednesday Morning Session I 0900-1130~~

202 IRTF hiprg Host Identity Protocol

~~- Moved FROM Wednesday Morning Session I 0900-1130~~

2103 IRTF mobopts IP Mobility Optimizations Research Group

208 AB OPS mboned MBONE Deployment WG

206 A RAI clue ControLLing mUltiple streams for tElepresence WG

206 B RTG sidr Secure Inter-Domain Routing WG

2101 SEC krb-wg Kerberos WG

205 ABC TSV tsvarea Transport Area Open Meeting

1130-1300 Break

### 1300-1500 Afternoon Session I

204 B APP precis Preparation and Comparison of Internationalized Strings WG

202 INT netext Network-Based Mobility Extensions WG

2101 OPS bmwg Benchmarking Methodology WG

2103 OPS dime Diameter Maintenance and Extensions WG

205 ABC RAI rtcweb Real-Time Communication in WEB-browsers WG

206 A RTG ccamp Common Control and Measurement Plane WG

~~208 AB RTG rtgwg Routing Area Working Group WG~~

~~- Moved TO Wednesday Afternoon Session II 1510-1610~~

208 AB RTG l2vpn Layer 2 Virtual Private Networks WG

~~- Moved FROM Wednesday Afternoon Session II 1510-1610~~

206 B SEC saag Security Area Open Meeting

1500-1520 Afternoon Beverage I - 2000 BC

### 1520-1720 Afternoon Session II

~~206 B APP apparea Applications Area Open Meeting Combined with APPSAWG~~

~~206 B APP appsawg Applications Area Working Group WG Combined with APPAREA~~

~~- Moved TO Monday Morning Session I 0900-1130~~

2103 INT tictoc Timing over IP Connection and Transfer of Clock WG

205 ABC OPS v6ops IPv6 Operations WG

2101 RAI siprec SIP Recording WG

206 A RTG ospf Open Shortest Path First IGP WG

202 RTG pce Path Computation Element WG

204 B SEC hokey Handover Keying WG

208 AB SEC tls Transport Layer Security WG

1720-1740 Afternoon Beverage and Snack Break II - 2000 BC

### 1740-1940 Afternoon Session III

202 APP hybi BiDirectional or Server-Initiated HTTP WG

208 AB INT mif Multiple Interfaces WG

2103 IRTF samrg Scalable Adaptive Multicast Research Group

204 B OPS eman Energy Management WG

206 A RAI codec Internet Wideband Audio Codec WG

205 ABC RTG rtgarea Routing Area Open Meeting

2101 SEC kitten Common Authentication Technology Next Generation WG

206 B TSV cdni Content Delivery Networks Interconnection WG



**FRIDAY, July 29, 2011**

0800-1100 IETF Registration - 2000 A

0800-0900 Continental Breakfast - 2000 BC

**0900-1130 Morning Session I**

<del>2103</del>	<del>INT</del>	<del>ancp</del>	<del>Access Node Control Protocol WG - Cancelled</del>
208 AB	INT	lwig	Light-Weight Implementation Guidance WG
2101	IRTF	vnrg	Virtual Networks Research Group
205 ABC	OPS	armd	Address Resolution for Massive numbers of hosts in the Data center WG
206 A	RAI	mmusic	Multiparty Multimedia Session Control WG
202	RAI	p2psip	Peer-to-Peer Session Initiation Protocol WG
204 B	SEC	abfab	Application Bridging for Federated Access Beyond web WG
206 B	TSV	tsvwg	Transport Area Working Group WG

1130-1300 Break

**1300-1400 Afternoon Session I**

2103	APP	iri	Internationalized Resource Identifiers WG
204 B	RAI	atoca	Authority-to-Citizen Alert WG
202	RAI	vipr	Verification Involving PSTN Reachability WG
<del>206 B</del>	<del>RTG</del>	<del>l2vpn</del>	<del>Layer 2 Virtual Private Networks WG - Cancelled</del>
208 AB	RTG	roll	Routing Over Low power and Lossy networks WG
206 A	SEC	dane	DNS-based Authentication of Named Entities WG
2101	TSV	rmt	Reliable Multicast Transport WG

**1415-1515 Afternoon Session II**

2103	APP	iri	Internationalized Resource Identifiers WG
204 B	RAI	simple	SIP for Instant Messaging and Presence Leveraging Extensions WG
2101	RAI	splices	looSely-couPLed sIp deviCES WG
208 AB	RTG	roll	Routing Over Low power and Lossy networks WG
206 A	SEC	dane	DNS-based Authentication of Named Entities WG

Thank You to IETF 81 Host and Sponsors

## Host



## Sponsors



## Connectivity Sponsors



Next Meeting: IETF 82

## IETF 82 – Taipei, Taiwan November 13-18, 2011

Hosted by



### Interested in Hosting an IETF?

The IAOC makes decisions about IETF meeting location and venue based on a number of factors, including host preferences, the availability of sponsors, availability and pricing of venues, and more. If you have an idea for a meeting location, or are interested in sponsoring a meeting, please contact Drew Dvorshak at [dvorshak@isoc.org](mailto:dvorshak@isoc.org).

### Important Dates for IETF 82

Week of	
<b>2011-08-15:</b>	IETF Online Registration opens.
<b>2011-08-15:</b>	Working Group and BOF scheduling begins.
<b>2011-09-26:</b>	Cutoff date for requests to schedule Working Group meetings at 17:00 PT (00:00 UTC).
<b>2011- 10-03:</b>	Cutoff date for BOF proposal requests to Area Directors at 17:00 PT (00:00 UTC).
<b>2011-10-06:</b>	Cutoff date for Area Directors to approve BOFs at 17:00 PT (00:00 UTC).
<b>2011-10-13:</b>	Preliminary agenda published for comment.
<b>2011-10-17:</b>	Cutoff date for requests to reschedule Working Group and BOF meetings 17:00 PT (00:00 UTC).
<b>2011-10-17:</b>	Working Group Chair approval for initial document (Version -00) submissions appreciated by 17:00 PT (00:00 UTC).
<b>2011-10-21:</b>	Final agenda to be published.
<b>2011-10-24:</b>	Internet Draft Cut-off for initial document (-00) submission by 17:00 PT (00:00 UTC).
<b>2011-10-31:</b>	Internet Draft final submission cut-off by 17:00 PT (00:00 UTC).
<b>2011-11-02:</b>	Draft Working Group agendas due by 17:00 PT (00:00 UTC).
<b>2011-11-04:</b>	Early Bird registration and payment cut-off at 17:00 PT (00:00 UTC).
<b>2011-11-07:</b>	Revised Working Group agendas due by 17:00 PT (00:00 UTC).
<b>2011-11-07:</b>	Registration cancellation cut-off at 17:00 PT (00:00 UTC).
<b>2011-11-11:</b>	Final Pre-Registration and Pre-Payment cut-off at 17:00 local meeting time.
<b>2011-11-13 - 2011-11-18: 82nd IETF Meeting in Taipei, Taiwan</b>	
<b>2011-12-16:</b>	Proceedings submission cutoff date by 17:00 PT (00:00 UTC).
<b>2012-01-05:</b>	Proceedings submission corrections cutoff date by 17:00 PT (00:00 UTC).