1st IETF Study Meeting

- Road to Yokohama -

チュートリアル: IETFの歩き方

2015年7月1日

菅野 哲(かんの さとる)

### この登壇者は何者・・・?

#### 名前

- ▶ 菅野 哲(かんの さとる)
- 所属
  - PKI48
    - \* 初代センター
  - ➤ NTTソフトウェア株式会社
    - ❖ 人事部
    - ❖ ソフトウェア生産技術センター(兼務)

#### IETFとの関係

- ▶ IETF 72<sup>nd</sup> (2008) ~ IETF 92<sup>nd</sup> (2015)まで連続出場中
- ➤ TLSやIPsecでCamelliaに関する標準化活動
- 最近はCamelliaだけではなくセキュアプロトコル全般の動向調査



### このセッションのお題目

https://www.isoc.jp/wiki.cgi?page=PreIETF93 より

#### 14:00-14:50 - チュートリアル: IETFの歩き方

- 菅野哲氏(エヌ・ティ・ティ・ソフトウェア株式会社)
- 根本貴弘氏(青山学院大学)(予定)
  - IETFミーティングへの参加経験のない方に向けて参加方法などを易しく解説します。IETFとは何か、他の標準化団体との違い、オンサイトでの参加方法に加えてリモートでの参加方法などの紹介を通じ、初めての方でもIETFの全体像が把握できるように構成したセッションです。

ここでは

参加方法

ゃ

リモート参加

を中心に!

### ISOC-JP的IETFとの付き合い方

調査・準備

参加

振り返り

事前準備

オンサイト

リモート

IETF報告会

- •参加準備関連
- Meeting Materials
- •参加報告

•I-D調査

・便利ツール群

•ML調査

現地での・・・♡

•Agenda把握 (BoF含む)

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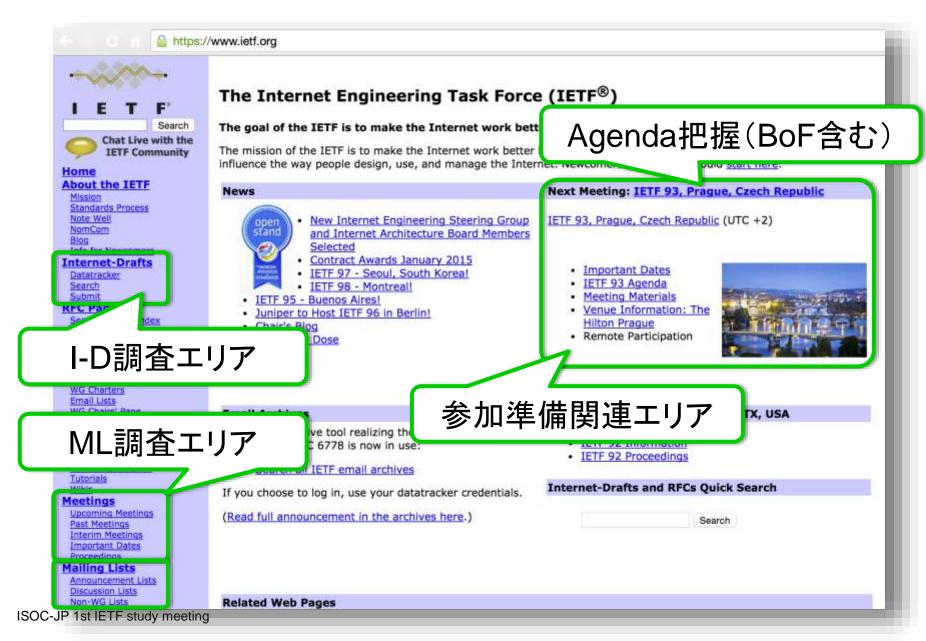
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- Meeting Materials
- ・便利ツール群
- 現地での・・・♡

-参加報告

### わたしい~、IETFって初めてなんですけどお・・・



参加準備で必要なこと!

1. 参加登録

2. ホテルと飛行機!

3. 参加目的と仲間

### IETFに参加する・・・

https://www.ietf.org/

Next Meeting: IETF 93, P

#### IETF Meeting Registration System

IETF 93

Prague, Czech Republic

July 19 - 24 2015

IETF 93, Pragu



IETF 93Meeting

 Venue I The Hilt

Remote

9:

#### Hilton Prague

Pobrezni 1 Prague, Czech Republic 18f Tel: + 420 2 2484 1111 Fax: + 420 2 2484 2378

IETF Meetings start Mondi technical tutorials take pla

Please note that new infor IETF 93.

#### At a Glance

#### General

Register | Retrieve / Par Attendee List | IETF Jou Meeting Rooms Policy | Information

#### REGISTRATION STEPS:

- Complete Form and Submit (Register one person per form).
- 2. Receive Registration ID (Retain for future use).
- 3. Pay now or later, online or on-site. Late fee will apply for payments after the Early-Bird cut-off date and on-site payments.
- Request a Letter of Invitation for Visa purposes now, or later.
- 5. Confirmation email will be sent to you.
- Substitutions are not allowed.

#### PAYMENT:

 Full Rate or Student registration fee is for all or any part of the m plenaries, Sunday evening Welcome Reception (cash bar), and attempoother IETF Activities, such as RFC Editor services, Secretariat services.

2. Pagiotration

1. Early-Bird: \$700 USD, if paid in full prior to 2359 UTC July 10, 2015.

2. Late: \$875 USD if paid after Early-Bird cutoff date and time.

One Day Pass: \$375 USD (Includes access to any one day of meeting sessions and breaks, plus the Sunday Tutorials & Reception, and the Plenaries).

費用が異なるので

要注意!

AND A services

- 4. Full-time students: \$150 USD with on-site proof of ID.
- Remote Participants: No fee.
- 3 Sendit anada appointed Mantagonal Dia
- Online payment closes 1700 local time July 17, 2015. After that time, all payments (whether or not you have pre-registered) and registrations must be made on-site. The late fee will apply.

#### Additional Events

Code Sprint | Companion Program | Hackathon | Thursday

Reporting Problems | Wiki | Mailing Lists | Tools Team | Network

New Attender

### リモートも参加登録するらしい!?

Home | Social Event | Flight Discounts

Mail List | Tutorials

ISOC-JP 1st IETF study meeting

### IETFに参加する・・・

https://www.ietf.org/

Next Meeting: IETF 93, Prague, Czech Republic

IETF 93, Pragu

- Importa
- IETF 93
- Meeting
- Venue I The Hilt
- Remote

93 rd IETF Prague July 19-24, 2015



#### Hilton Prague

Pobrezni 1 Prague, Czech Republic 186 00 Tel: + 420 2 2484 1111 Fax: + 420 2 2484 2378

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#### **Bits-N-Bites**

About | Sponsors

#### Venue and Area Information

EMERGENCY INFORMATION - Hilton | Meeting Venue & Hotel Accommodations | Alternative Hotels Map |

#### Official Host Website

Home | Social Event | Flight Discounts

#### Agendas and Meeting Materials

Agenda (HTML) (Plain Text) | Apps: iPhone/iPad, Android | BoFs | Tutorials (Edu Team Pages) | Meeting Materials | Floor Plans (PDF)

#### Meeting Communication

Reporting Problems | Wiki | Mailing Lists | Tools Team | Network Information

#### New Attendes

IETF 93 Newcomers Page | First-Time Attendee Mailing List | Tao | Newcomer's Presentation

#### Session Chair Tools

Request a Session | Meeting Materials Manager | Request An Additional Meeting

#### Remote Participation

Tools Agenda | Audio Streaming | Jabber | Meetecho | 93attendees Mail List | Tutorials

https://www.ietf.org/meeting/93/index.html

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ISOC-JP 1st IETF study meeting

### 宿泊先と飛行機にまつわるエトセトラ

ちょっと高い ロビー活動 会場ホテル ちょっと安い 宿泊先 すぐ満室 近隣ホテル 距離がある 現地との ことも・・ ふれあい? 乗り継ぎの 難易度 飛行機 現地 荷物失踪 到着時刻

### 参加目的と仲間

# 参加目的は超重要!

・ふらっと参加するとあっという間に1週間が経過してしまう。。。

# <u>仲間集めも超重要!!</u>

- 平行してセッションが実施されるので一人じゃムリヽ(`Д´)ノ
- 一人だと精神的に厳しいヽ(`Д´)ノ
- 一人だと情報の取りこぼしが多発・・・ ヽ(`Д´)ノ

# ISOC-JPで目的も仲間も見つけちゃお!

### メーリングリスト調査のススメ



#### The Internet Engineering Task Force (IETF®)



https://www.ietf.org/list/

Scial IETE husiness only and must be approved by an IETE Area

About the II

Mission

Standards Proc Note Well NomCom Blog Info for Newco

Internet-Dra

Datatracker Search Submit

RFC Pages Search RFC Ed

IANA Pages Protocol Param IANA Transitio

Working Gro

Email Lists WG Chairs' P

Resources

Community To Tools Team Po Edu Team Pac Mentoring Pro Tutorials Wikis

Upcomp Past My Interir **Email Lists** 

Much of the daily work of the IETF is conducted on electronic mailing lists. There are four categories of mailing lists:

- . Discussion Lists: a general IETF discussion list and discussion lists for each IETF working group
- Announcement Lists: an IETF announcement list, an Internet-Drafts (I-D) announcement list, an IPR announcement list and an IESG Agenda Distribution list
- Working Group Lists: discussion lists for each IETF working group
- Non-Working Group Lists: including lists hosted @ietf.org and elsewhere that may be of interest to IETF participants.
   Addition of a new list predification of an existing entry both require the approval of an Area Director.

Please note that mailing lists @ietf >

Director, the IETF Ch subject to the IETF Trust," and RFC 397

To request a new w request a non-WG r

**Archives** 

Archives are mainta

1WGあたり:

•平常時: 50通前後

-戦闘時: 100~200通

のメール流量

- Searchable archives: available here
- . MHonArc archives: available from the listinfo page for a particular list
- Text archives: index of text archives

#### Mailing Lists

Discussion Lists
Non-WG Lists

**Related Web Pages** 

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### Agenda & BoFの状況把握するには・・・





#### Hilton Prague

Pobrezni 1 Prague, Czech Republic 186 00 Tel: + 420 2 2484 1111 Fax: + 420 2 2484 2378

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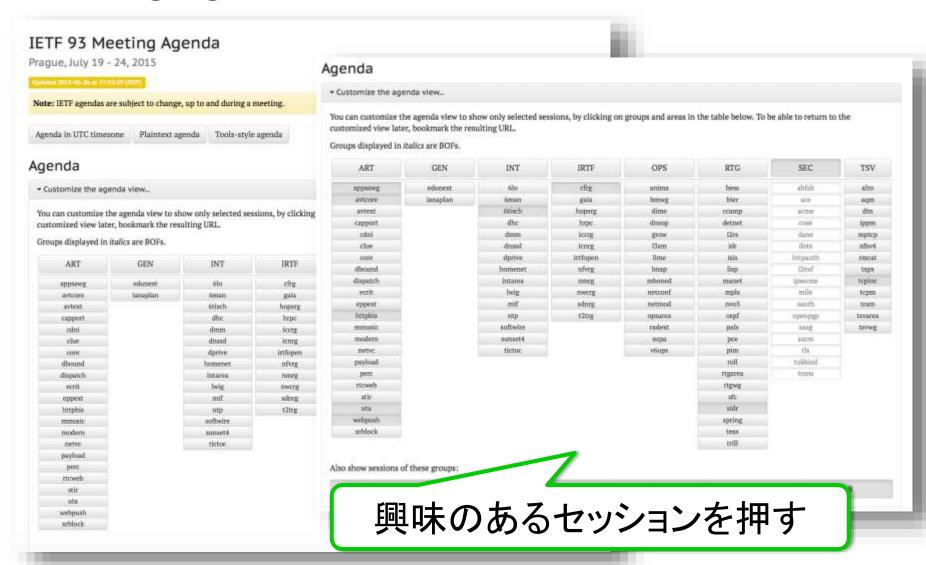
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### Meeting agenda



ISOC-JP 1st IETF study meeting

### Meeting agenda



### Meeting agenda

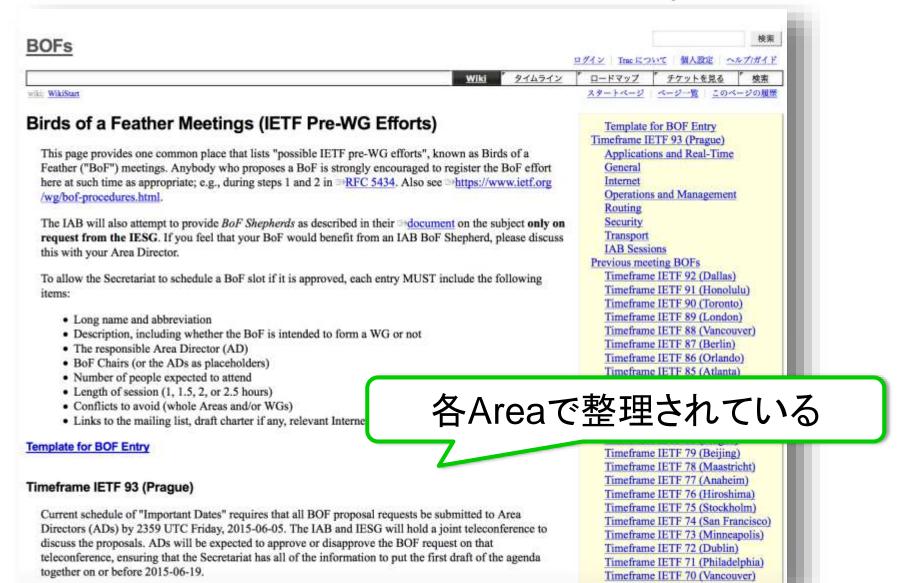


# 2、3セッションが重なるの当たり前・・

#### BoFs

ISOC-JP 1st IETF study meeting

#### http://tools.ietf.org/bof/trac/



#### **BoFs**

#### **BOFs**

wiki: WikiStart

#### Birds of a Feather Meetings

This page provides one common place that I Feather ("BoF") meetings. Anybody who proper at such time as appropriate; e.g., during /wg/bof-procedures.html.

The IAB will also attempt to provide BoF Si request from the IESG. If you feel that you this with your Area Director.

To allow the Secretariat to schedule a BoF si items:

- · Long name and abbreviation
- · Description, including whether the Be
- The responsible Area Director (AD)
- . BoF Chairs (or the ADs as placeholde
- · Number of people expected to attend
- Length of session (1, 1.5, 2, or 2.5 ho
- · Conflicts to avoid (whole Areas and/o
- · Links to the mailing list, draft charter

Template for BOF Entry

Name: Openpgp - placeholder for WG-in-formation (Approved for IETF 93)

Name: Automated Certificate Management Environment (ACME) (Approved for IETF 93)

**Description**: Discussion of work that is going on with automated certificate management, following on to the BoF session in Dallas and the mailing list discussion since then.

#### Agenda:

- · Charter Bashing
- · Discussion of draft-barnes-acme

Status: WG Forming

Responsible AD: Kathleen Moriarty

BoF proponents: Ted Hardie <a href="mailto:ted.ietf@gmail.com">"ted.ietf

BoF chairs: Ted Hardie, Rich Salz

Number of people expected to attend: 100

Length of session: 2 hours

Conflicts to avoid: Security Area, RTCWEB, webpush, httpbis

Does it require WebEX? No

Does it require Meetecho? Yes

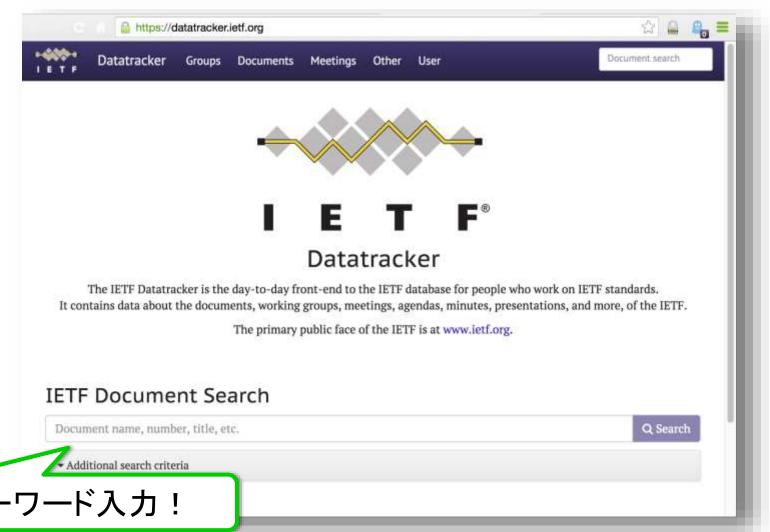
Timeframe IETF 79 (Beijing)
Timeframe IETF 78 (Maastricht)

# BoFのステータスが管理できる!

together on or before 2015-06-19.

Timeframe IETF 71 (Philadelphia)

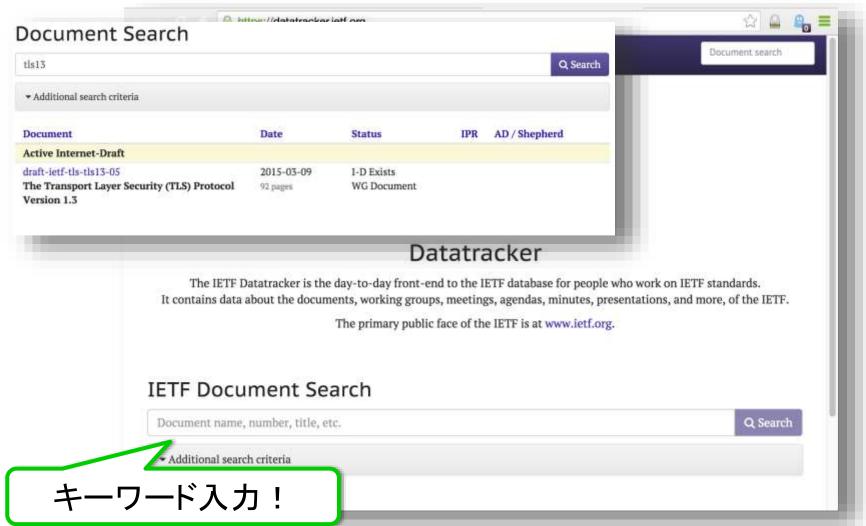
### 調べたいI-D/RFCがあればココ! 最強!!



ISOC-JP 1st IETF study meeting

https://datatracker.ietf.org/

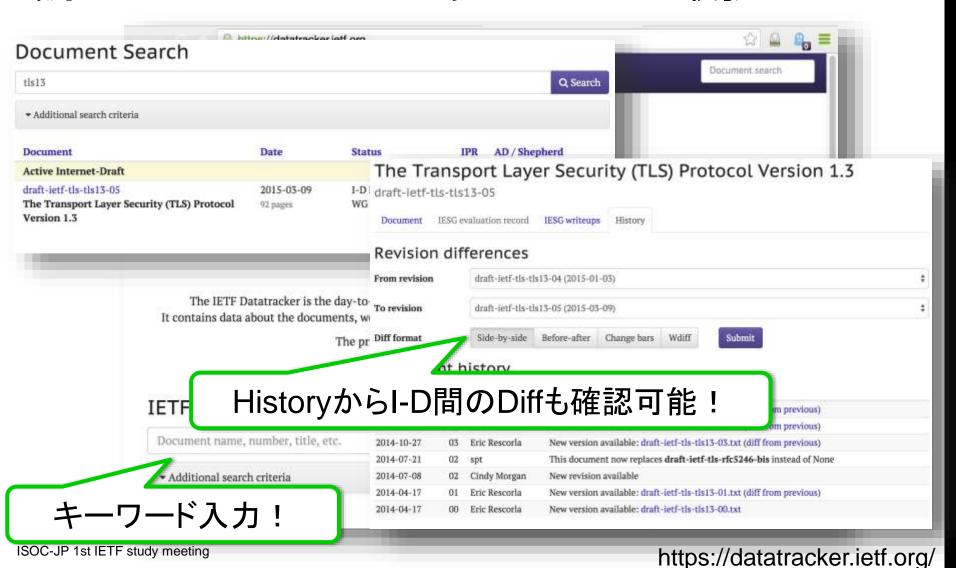
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ISOC-JP 1st IETF study meeting

https://datatracker.ietf.org/

### 調べたいI-D/RFCがあればココ! 最強!!



#### このRFCってどうなってるんだっけ・・・?って時も安心!

RFC 2246 (was draft-ietf-tls-protocol) The TLS Protocol Version 1.0 Errata	1999-01 80 pages	Proposed Standard RFC Obsoleted by RFC4346 Updated by RFC3546, RFC5746,
RFC 2487 (was draft-hoffman-smtp-ssl) SMTP Service Extension for Secure SMTP over TLS	1999-01 8 pages	RFC6176, RFC7465, RFC7507 Proposed Standard RFC Obsoleted by RFC3207 相互関係が明確!
RFC 2595 (was draft-newman-tls-imappop) Using TLS with IMAP, POP3 and ACAP Errata	1999-06 15 pages	Proposed Standard RFC Updated by RFC4616
RFC 2712 (was draft-ietf-tls-kerb-cipher-suites) Addition of Kerberos Cipher Suites to Transpor Layer Security (TLS)	1999-10 <b>t</b> 7 pages	Proposed Standard RFC
RFC 2716 (was draft-ietf-pppext-eaptls) PPP EAP TLS Authentication Protocol	1999-10 24 pages	Experimental RFC Obsoleted by RFC5216
RFC 2817 (was draft-ietf-tls-http-upgrade) Upgrading to TLS Within HTTP/1.1 Errata	2000-05 13 pages	Proposed Standard RFC Updated by RFC7230, RFC7231
RFC 2818 (was draft-ietf-tls-https) HTTP Over TLS Errata	2000-05 7 pages	Informational RFC Updated by RFC5785, RFC7230

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- Agenda把握 (BoF含む)

- Meeting Materials
- ・便利ツール群
- 現地での・・・♡

-参加報告

# **Meeting Materials**



# 会合が近づくとモリモリ登録される!

### **Meeting Materials**



#### Hilton Prague

Pregue, Coach Republic 196 00: Tel: + 420 2 2464 1111 Fax: + 420 2 2464 2376

1ETF Meetings start Mondey morning an technical futorials take place the previous

Please note that new information is be 1ETF 93.

#### At a Gland

Register | Retrieve / Pax Registration Amendee List | 1679 Journal | Empor Meeting Rooms Policy | Sponsorship Information

#### Code Sprint | Companior Program | Has Speaker Series | IETF Speak Day

Bits-N-Bites About I Sporsors

Venue and Area Information EMERGENCY INFORMATION - Haten | H Hotel Accommodations | Attemptive Ho

Official Host Website Home I Social Event | Flight Discounts

### IETF 93 meeting materials

Submission cutoff date: August 14, 2015

Corrections to submissions cutoff date: September 7, 2015

Meeting materials manager

Meeting requests/conflicts

#### **Plenaries**

Group	Agenda	Minutes	Slides
Technical Plenary	No agenda	No minutes	No slides
IETF Operations and Administration Plenary	No agenda	No minutes	No slides

ART Applications and Real-Time Area

Group Agenda Minutes Slides

# 会合が近づくとモリモリ登録される

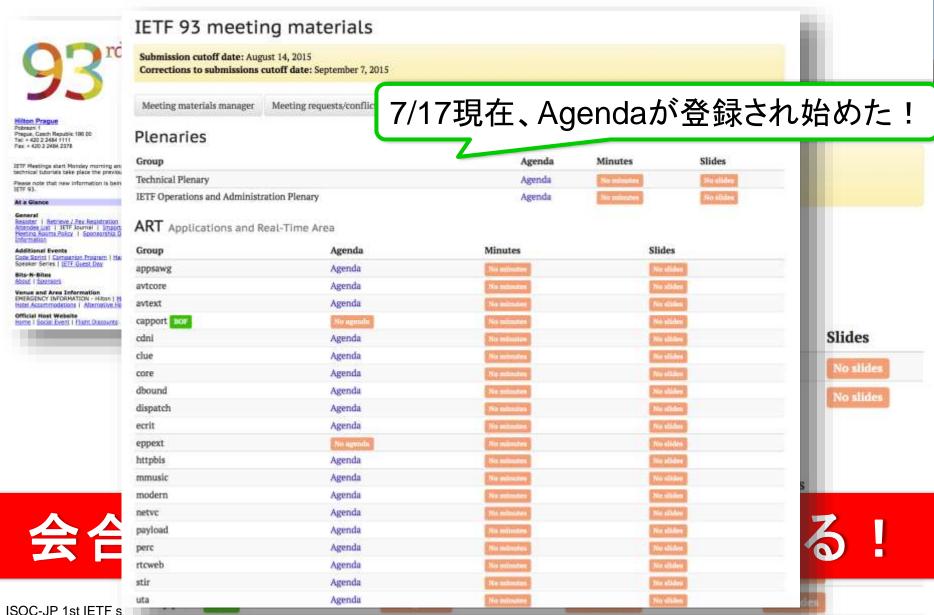
capport BOF

No agenda

No minutes

No slides

# **Meeting Materials**



### IETFを生き抜くための便利ツール!

オンサイト

Message Board

Mailing List Data Tracker

Jabber Meetecho Caffeine

リモート

オンサイトやリモートでもツールは同じ! 激動の1週間を生き抜く!?

### 「リモート参加」に向けた準備!





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Mailing list

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Meeting Rooms Policy | Sponsorship Opportunities | Visa
Information

Meeu

Jabber

oid | BoFs | Plans (PDF)

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**Bits-N-Bites** 

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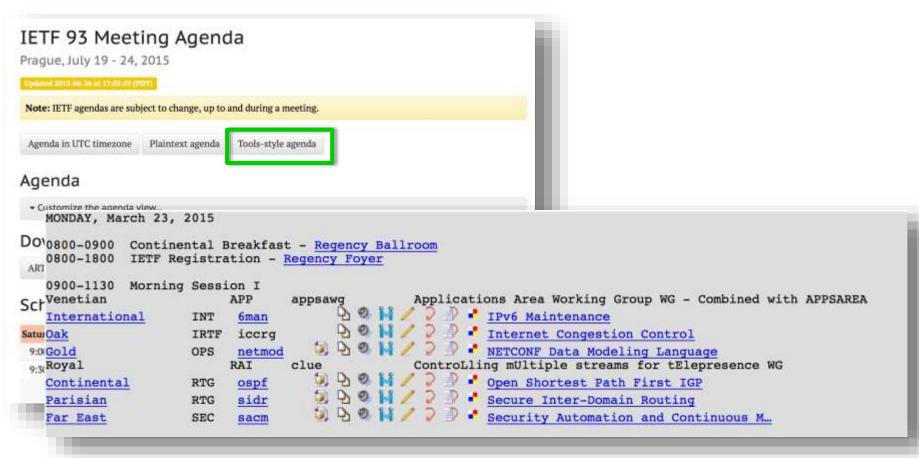
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### 戦い抜くための便利ツール: Jabber & Meetecho









### **Jabber**

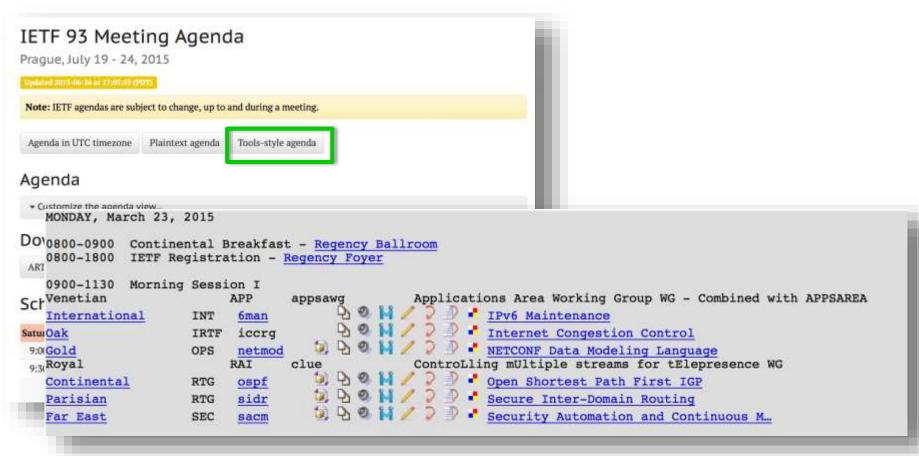
# XMPP(Extensible Messaging and Presence Protocol)を用いたグループチャット

```
例: Adium
Jabber
scriber
                            has set the subject to: MILE, IETF 91, Honolulu (23:21:46)
                    Chris Inacio: Thanks Sean - I was in the sacm jabber room. Too early for me.
                      Sean Turner: ;)
             23:29:13 Eric Burger: Robert is right. Also makes it hard to standardize private stuff later.
             23:29:20 Eric Burger: (Think of the X- wars)
             23:30:26 Eric Burger: thnks
             23:30:29 Chris Inacio: np
             23:30:48 Chris Inacio: trying to earn my start...
             23:30:53 Chris Inacio: star
             23:31:02 Eric Burger: (Y)
             23:35:23 Eric Burger: I have a student working on the UML. Will sell it for peanuts :p:p
             23:36:19 Chris Inacio: I'll buy that
             23:36:54 Chris Inacio: (was I supposed to mic that?)
             23:37:14 Eric Burger: Nah. If someone see it, great. No need to be TOO commercial here.
             23:37:21 Eric Burger: (see it here in jabber logs)
                                                                                                       事前準備
             23:40:07 John Field: I would agree with 4, since it enables open, forward-compatibility.
             23:40:36 Chris Inacio: in line at mic john...
             23:41:07 John Field: thx
                                                                                                     必須やで!
             John Field さんがチャットルームから退室しました (23:59:53)
             John Field [fr3k12i0xp1csvwo632@continental.conf.meetecho.com/MeetechoWebLite] &
```

# Jabberアカウントとクライアントが必要

1.1-3 h ±1 + (0.04.40)

### 戦い抜くための便利ツール: Jabber & Meetecho



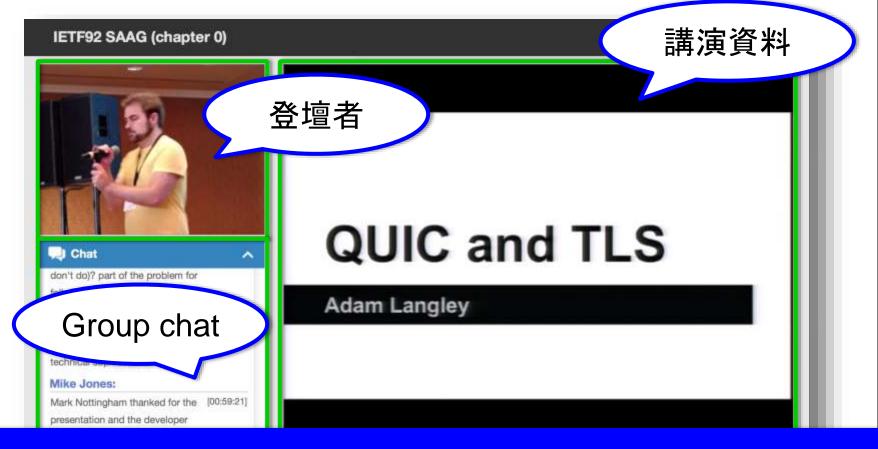






#### Meetecho

ブラウザでWebRTCを使ったリモート参加できる!



# 十分な品質でリモート参加可能!

Both of those can make your site [01:00:02] bricked. It's a hard sell

現地でのお楽しみ♡

海外ですし・・・

ほら、アレですよ・・・ ね? (\*´艸`\*)



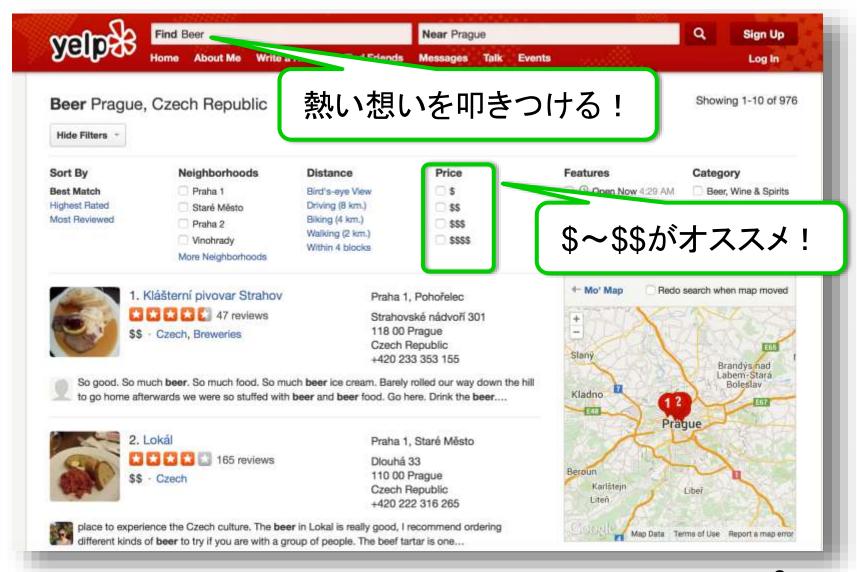
でも、ハズレの店とかツラすぎます・・・

### 現地でのお楽しみ♡



シャキーン! ヽ(•̀ω•́ ) ♪ ◆

### 現地でのお楽しみ♡



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-現地での・・・♡

- Agenda把握 (BoF含む)

ISOC-JP 1st IETF study meeting

### 参加報告!

### ISOC-JP主催でIETF報告会(2012年12月)を開催

#### IETF85Update

#### IETF85報告会 / IETF85 Update Meeting

#### 会合情報

- 日時: 2012年12月21日 (金) 14:00~18:00
- 終了後、簡単な懇親会を開催予定です(参加費、実費)。
- 場所: ILJ本社 17F 大会議室
  - http://www.iij.ad.jp/info/map/head-office.html

#### プログラム: (時刻は予定です, 話者の皆様の敬称は略させて頂きます。)

時刻	議題	関連WG等	話者	資料(Wiki)	資料 (web)
14:00-14:15	オープニング/IETE とは		江崎 浩(ISOC-JP Chair)		
14:15-14:45	RTG関連	idr/irs	土屋 師子生(シスコ システムズ)	20121221-idr-irs.pdf(381)	資料
14:45-15:15	DNS関連,国際化関連	dnsop/dnsext/dane/mdnsext(bof)/enum/mif /idna-update/precis/iri/eai	藤原和典(JPRS)	20121221-dns-eal.pdf(1093)	資料
15:15-15:45	SEC関連		菅野 哲(NTTソフト ウェア)	20121221_IETF85_SEC.pdf(264)	資料
15:45-16:00	休憩				
16:00-16:45	特別講演: <u>IETF</u> における		坂根昌一(シスコシ	20121221-M2M-loTodf(214)	<b>新料</b>

# 現地でのリアルを共有することができる場!

18:00-

エンディング 懇親会

※ 会員以外の方の参加もOKです

ISOC-JP 1st IETF study meeting

### 連絡先

- E-mail
  - kanno.satoru@po.ntts.co.jp
- SNS
  - Twitter (satorukanno)
  - Facebook (satoru.kanno)
  - Linkedin

お気軽にご連絡ください!