IETF Tools Tutorial

IETF 84
Vancouver, Canada
29 July 2012

Henrik Levkowitz
Alice Russo
Overview of this tutorial

1) 3 URLs for 3 service groups
2) Document search, display, and print tools
3) Draft preparation tools
4) Working group tools
5) IESG related pages
6) IETF meeting related tools
7) Notification services
8) Tool-builder tools
9) Questions
3 URLs for 3 service groups

At this time, the information needed by an IETF participant is spread out over 3 different URLs:

- www.ietf.org
- datatracker.ietf.org
- tools.ietf.org

When this tools tutorial was given last time, at IETF-69, it was quite focused on tools.ietf.org. Since then, we've managed to build equivalents of a number of the pages there into the datatracker, and will be showing you links to both the datatracker and tools site pages where both are available.
Migration of tools

With time, we expect mature services to move from tools.ietf.org to datatracker.ietf.org, and with the improved database schema in place (since March this year) more and more new services will be built directly on datatracker.tools.ietf.org. Since tools.ietf.org is still more agile than datatracker.ietf.org, some experimental tools will still appear there first, and then move to the datatracker if people find them valuable.
The Internet Engineering Task Force (IETF)

The goal of the IETF is to make the Internet work better.

The mission of the IETF is to make the Internet work better by producing high quality, relevant technical documents that influence the way people design, use, and manage the Internet. Newcomers to the IETF should start here.
IETF Datatracker

Search Internet-Drafts and RFCs

Name/number/title: 
Types:
- RFCs
- Internet-Drafts (active)
- Internet-Drafts (expired/replaced/withdrawn)

Advanced
Search

The IETF Datatracker is the IETF's web system for managing information about:
- Internet-Drafts and RFCs
- IPR disclosures
- Liaison statements
- Meeting agenda and session agendas/slides/minutes
- IESG telechiet agenda
IETF Tools

IETF-related tools, standalone or hosted on tools.ietf.org.
(Tools hosted by the secretariat are listed at http://www.ietf.org/tools).

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Prepare documents

**Edit IDs in *nroff with wysiwyg display**
Stefan Sannesson

*NroffEdit* is a Java application for writing and editing Internet Draft files using the *nroff* format. This application lets you load any *n*-*D* norff file, which will be shown processed in the right-hand window, and can be edited in the left-hand window.

**Write RFCs using wiki-style markup (markdown)**
Mick Green

Pandoc2rie uses Pandoc in combination with Make and XSLT scripting to produce internet-drafts in XML format from plain text input. The plain text only needs a few formatting conventions, more or less like wiki markup.

Draft Submission

**Secretariat Services**
The New Internet Draft Submission Tool replaces the older Draft Submission Tool and the even older email submission workflow, and lets an author submit a new or updated draft through a webpage, and have it appear in the archives immediately.

**Draft HTML and PDF from XML source**
Julian Veitch

A set of XSLT transformations that can be used to transform RFC2629-compliant XML (see [RFC 2629](http://tools.ietf.org/rfc/rfc2629)) to HTML and PDF.

---

Search, show and print documents

**PDF Conversions of drafts and RFCs**
Henrik Levkovetz

This repository provides PDF conversions of drafts and RFCs, which can be very helpful in order to print these documents.

**Retrieve IETF Documents from the search bar**
Sean Leonard

This adds an IETF document retrieval search provider to the Firefox (v2+) or IE (v7+)

---

Download the latest documents

Rsync access to various document archives:

- Unpurgd IETF drafts repository:
  To list, do:
  ```bash
  rsync rsync.tools.ietf.org::tools.id
  ```

- To sync, do:
  ```bash
  rsync -avz rsync.tools.ietf.org::tools.id /id
  ```

- Currently available htmlized drafts and RFCs:
  To list, do:
  ```bash
  rsync rsync.tools.ietf.org::tools.html
  ```

- To sync, do:
  ```bash
  rsync -avz rsync.tools.ietf.org::tools.html /html
  ```

- For a full list of the various rsync sources at tools.ietf.org, do:
  ```bash
  rsync rsync.tools.ietf.org::
  ```
IETF Tools Tutorial

1) 3 URLs for 3 service groups
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3) Draft preparation tools
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Document search, display, and print tools

This covers tools for:

- retrieval of current and old documents based on part of the filename, or on content;
- various ways to view the documents (plain text, HTML, PDF, diffs);
- print them nicely, and
- get more information about their status.
IETF Datatracker

Search Internet-Drafts and RFCs

Name/number/title: 

Types:
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- Internet-Drafts (active)
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Advanced

Search

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- IPR disclosures
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- Meeting agenda and session agendas/slides/minutes
- IESG telsetet agenda
IETF Documents

Retrieve a document (with HTML markup):

RFC number, draft name
(full or partial) or URL

Get Document

Use Google to search drafts and RFCs:

Google

New RFCs in the repository during the last 14 days:

(Full index pages to htmlized RFCs are available, too: traditional, mini, 2-column.)

- rfc6627 Overview of Pre-Congestion Notification Encoding.

- rfc6655 AES-CCM Cipher Suites for Transport Layer Security (TLS).
  (Format: TXT=17052 bytes) (Status: PROPOSED STANDARD)

- rfc6656 Description of Cisco Systems' Subnet Allocation Option for DHCPv4.
  (Format: TXT=54971 bytes) (Status: INFORMATIONAL)

- rfc6658 Packet Pseudowire Encapsulation over an MPLS PSN.
  (Format: TXT=32164 bytes) (Status: PROPOSED STANDARD)

- rfc6660 Encoding Three Pre-Congestion Notification (PCN) States in the IP Header Using a Single Diffserv Codepoint (DSCP).
  (Format: TXT=52230 bytes) (Obsoletes rfc5696) (Status: PROPOSED STANDARD)

  (Format: TXT=72258 bytes) (Status: EXPERIMENTAL)
Dynamic Host Configuration Protocol (DHCPv4)

Configuration of IPsec Tunnel Mode

Status of this Memo

This document specifies an Internet standards track protocol for the Internet community, and requests discussion and suggestions for improvements. Please refer to the current edition of the "Internet Official Protocol Standards" (STD 1) for the standardization state and status of this protocol. Distribution of this memo is unlimited.

Copyright Notice

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Abstract

This memo explores the requirements for host configuration in IPsec tunnel mode, and describes how the Dynamic Host Configuration Protocol (DHCPv4) may be leveraged for configuration. In many remote access scenarios, a mechanism for making the remote host appear to be present on the local corporate network is quite useful. This may be accomplished by assigning the host a "virtual" address from the corporate network, and then tunneling traffic via IPsec from the remote host to the corporate network. In
## Internet-Draft Archive

The document name you specified, "draft-*dhe-*", matched multiple documents: (There were 347 matches, and the list has been truncated. But if you want, you can see them all.)

<table>
<thead>
<tr>
<th>Date</th>
<th>Title</th>
<th>Format</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 Nov 2001</td>
<td>draft-aboba-dhc-domearch</td>
<td>txt</td>
</tr>
<tr>
<td>15 Mar 2000</td>
<td>draft-aboba-dhc-mdns-conf</td>
<td>txt</td>
</tr>
<tr>
<td>01 Oct 2001</td>
<td>draft-aboba-dhc-mini</td>
<td>txt</td>
</tr>
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<td>18 Jun 2003</td>
<td>draft-aboba-dhc-nad-ipv4</td>
<td>txt</td>
</tr>
<tr>
<td>03 Jun 2005</td>
<td>draft-achanta-dhc-ap-options</td>
<td>txt</td>
</tr>
<tr>
<td>01 Mar 2001</td>
<td>draft-aculo-dhc-appliance-class</td>
<td>txt</td>
</tr>
<tr>
<td>30 Sep 2010</td>
<td>draft-asati-dhc-relay-agent-config</td>
<td>txt</td>
</tr>
<tr>
<td>06 Nov 2002</td>
<td>draft-bakke-dhc-snmp-trap</td>
<td>txt</td>
</tr>
<tr>
<td>30 May 2010</td>
<td>draft-baldwin-dhc-software-anycast-dhcp</td>
<td>txt</td>
</tr>
<tr>
<td>09 Jul 2012</td>
<td>draft-bhandari-dhc-access-network-identifier</td>
<td>txt</td>
</tr>
<tr>
<td>16 Jul 2012</td>
<td>draft-bhandari-dhc-class-based-prefix</td>
<td>txt</td>
</tr>
<tr>
<td>17 Jun 2011</td>
<td>draft-bi-dhc-opextensions</td>
<td>txt</td>
</tr>
<tr>
<td>16 Jul 2012</td>
<td>draft-bi-dhc-see-option</td>
<td>txt</td>
</tr>
<tr>
<td>27 May 2005</td>
<td>draft-batherwick-dhc-mittel-site-options-usage</td>
<td>txt</td>
</tr>
<tr>
<td>30 Oct 2009</td>
<td>draft-ionacul-dhc-port-range</td>
<td>txt</td>
</tr>
<tr>
<td>15 Jun 2006</td>
<td>draft-brzozowski-dhc-dhcyp5-keasequery</td>
<td>txt</td>
</tr>
<tr>
<td>17 Jun 2004</td>
<td>draft-cadar-dhc-dhcyp6-opt-email</td>
<td>txt</td>
</tr>
<tr>
<td>21 Dec 2004</td>
<td>draft-cadar-dhc-dhcyp6-opt-smtp</td>
<td>txt</td>
</tr>
<tr>
<td>10 Feb 2004</td>
<td>draft-cadar-dhc-dhcyp6-voptions</td>
<td>txt</td>
</tr>
<tr>
<td>17 Jun 2004</td>
<td>draft-cadar-dhc-opt-impap</td>
<td>txt</td>
</tr>
</tbody>
</table>
PDF conversion of IETF documents

PDF conversion of IETF documents is provided here.

Any rfc, std, fyi, bcp or draft document is available converted to PDF here, by simply forming a URL consisting of http://tools.ietf.org/pdf/ followed by the document name, with a .pdf extension.

Examples:


Alternatively, you can enter an rfc number or draft name in the form below, and submit in order to get a pdf version of the rfc or draft:

Document:  

Get Document

Strictly speaking, a .pdf extension is not necessary, but if you use it, it makes the caching work better. The document is then retrieved directly if it has already been converted, and no script invocation occurs.

The conversion is done by a tiny script which is kicked into action if the requested PDF doesn't already exist. (In other words, an Apache 404 ErrorDocument script). It takes the document name (rfc, bcp, draft, or whatever) and figures out from the first part of the name where it should look for the original text document. Once it has the text file, it does a text to pdf conversion using a couple of handy standard utility programs: enscript and Ghostscript's ps2pdf. The invocation looks like this ($path, $file and $base are variables which have been set earlier in the script):

```
cat $path/$file | fixiff | enscript --margins 76:76: -B -q -p $base.ps
ps2pdf $base.ps $base.pdf
```

Here, fixiff is a small awk script which fixes up the form feeds, to make the page breaks come out right - not all drafts have
Document search, display, and print (continued)

Ebook files

Tero Kivinen is generating ebook compilations of RFCs and drafts daily, in .mobi and .epub formats:

- rfc.mobi - All RFCs in single .mobi (kindle) file
- rfc.epub - All RFCs in single .epub file
- area.*.* - I-Ds, related I-Ds, WG RFCs for all WGs in area
- i-d.*.* - I-Ds, related I-Ds, WG RFCs for a WG
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<th>Size</th>
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<td>16M</td>
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</tr>
<tr>
<td>area.tsv.epub</td>
<td>22-Jul-2012 01:03</td>
<td>2.6M</td>
</tr>
<tr>
<td>area.sec.mobi</td>
<td>22-Jul-2012 01:03</td>
<td>7.2M</td>
</tr>
<tr>
<td>area.tsv.mobi</td>
<td>22-Jul-2012 01:03</td>
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<td>22-Jul-2012 01:03</td>
<td>5.9M</td>
</tr>
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<td>area.ietsg.epub</td>
<td>22-Jul-2012 01:00</td>
<td>48K</td>
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<td>455K</td>
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<td>22-Jul-2012 00:56</td>
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<td>864K</td>
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<td>22-Jul-2012 00:52</td>
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<td>397K</td>
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<tr>
<td>i-d.pwc.epub</td>
<td>22-Jul-2012 00:36</td>
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</tr>
</tbody>
</table>
IETF Areas

This page provides information about active working groups. For a list of concluded working groups, see the Concluded Working Groups Page.

Applications Area (app)

Area Directors:

Barry Leiba, Pete Resnick

Document collections:

epub mobi

Working Groups:

<table>
<thead>
<tr>
<th>Date</th>
<th>Working Group</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010-Oct-26</td>
<td>appsawg, Murray Kucherawy, Salvatore Loreto</td>
<td>Applications Area Working Group</td>
</tr>
<tr>
<td>2010-Mar-10</td>
<td>core, Cursien Bormann, Callen Jennings</td>
<td>Constrained RESTful Environments</td>
</tr>
<tr>
<td>2009-Mar-17</td>
<td>cai, John Klensin, Joseph Yee</td>
<td>Email Address Internationalization</td>
</tr>
<tr>
<td>2007-Oct-23</td>
<td>https, Mark Nottingham</td>
<td>Hypertext Transfer Protocol Bis</td>
</tr>
<tr>
<td>2010-Jan-26</td>
<td>hybi, Salvatore Loreto, Gabriel Montenegro</td>
<td>BiDirectional or Server-Initiated HTTP</td>
</tr>
<tr>
<td>2012-Jul-17</td>
<td>imapmove, Ned Freed, Alexey Melnikov</td>
<td>IMAP MOVE extension</td>
</tr>
<tr>
<td>2010-Jan-26</td>
<td>iri, Peter Saint-Andre, Chris Weber</td>
<td>Internationalized Resource Identifiers</td>
</tr>
<tr>
<td>2011-Jun-14</td>
<td>paws, Gabor Bajko, Brian Rosen</td>
<td>Protocol to Access WS database</td>
</tr>
<tr>
<td>2010-Jun-11</td>
<td>precis, Marc Blanchet, Yoshiro Yoneya</td>
<td>Preparation and Comparison of Internationalized Strings</td>
</tr>
<tr>
<td>2011-Nov-07</td>
<td>repute, Dave Crocker, Chris Lewis</td>
<td>Reputation Services</td>
</tr>
</tbody>
</table>
Document search, display, and print (continued)

Options for getting RFCs in bulk from www.rfc-editor.org (in text or PDF):

- rsync to maintain a directory of RFCs
- get tarballs of RFCs
How to use rsync to download documents from the RFC Editor Repository

[1] To get the list of modules available

type `rsync ftp.rfc-editor.org::`

   This will return a results like following

<table>
<thead>
<tr>
<th>(Module Names)</th>
<th>(Comments)</th>
</tr>
</thead>
<tbody>
<tr>
<td>everything-ftp</td>
<td>Everything FTP</td>
</tr>
<tr>
<td>rfc</td>
<td>Contents of in-notes/ and subdirectories bcp/, fyi/, ien/, and std/</td>
</tr>
<tr>
<td>rfc-text-only</td>
<td>Text files from [rfcs]</td>
</tr>
<tr>
<td>rfc-ed-all</td>
<td>Entire repository (excluding internet-drafts)</td>
</tr>
<tr>
<td>internet-drafts</td>
<td>Internet Drafts</td>
</tr>
<tr>
<td>ids-text-only</td>
<td>Text files from [Internet Drafts]</td>
</tr>
<tr>
<td>rfc-pdf-only</td>
<td>PDF versions of ASCII RFCs to ensure correct page breaks, etc</td>
</tr>
</tbody>
</table>

[2] To create a mirror using a module

Type `rsync --delete ftp.rfc-editor.org::Module-Name Target-Directory`

Ex) To create a mirror of the text versions of all the RFCs, i.e.,

   rsync --delete ftp.rfc-editor.org::in-notes/*.txt
   rsync --delete ftp.rfc-editor.org::in-notes/bop/*.txt
   rsync --delete ftp.rfc-editor.org::in-notes/fyi/*.txt
   rsync --delete ftp.rfc-editor.org::in-notes/ien/*.txt
# Downloading RFC Collections

- **Download/Update collection using rsync**

  The RFC Editor supports the rsync program, which can efficiently maintain a local copy of various subsets of the RFC Editor's repository in sync with the official copy. The [How-To document](#) explains how to specify the desired subset of the repository, using a template called a module by rsync.

- **Download Collections using FTP**

  You can download the entire collection of RFCs or various subsets, in either .tar.gz format for Unix systems or .zip format for Windows. Pay attention to the approximate sizes shown: some of these are BIG files.

  - Entire RFC Collection: [.tar.gz or Zipped](#) format, variable; over 130MB. (These files are updated once per week)
  - RFCs 1-500: [.tar.gz or Zipped](#) format, 7MB.
  - RFCs 501-1000: [.tar.gz or Zipped](#) format, 8MB.
  - RFCs 1001-1500: [.tar.gz or Zipped](#) format, 14MB.
  - RFCs 1501-2000: [.tar.gz or Zipped](#) format, 8MB.
  - RFCs 2001-2500: [.tar.gz or Zipped](#) format, 8MB.
  - RFCs 2501-3000: [.tar.gz or Zipped](#) format, 10MB.
  - RFCs 3001-3500: [.tar.gz or Zipped](#) format, 7MB.
  - RFCs 3501-4000: [.tar.gz or Zipped](#) format, 9MB.
  - RFCs 4001-4500: [.tar.gz or Zipped](#) format, 7MB.
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Draft preparation tools

When writing an I-D, choose a formatting tool.
xml2rfc and Nroff Edit are covered in more detail in the Tools for Creating I-Ds tutorial.

<table>
<thead>
<tr>
<th>Source file</th>
<th>NroffEdit</th>
<th>xml2rfc</th>
<th>Word template</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>nroff</td>
<td>XML</td>
<td>.doc or .docx</td>
</tr>
<tr>
<td>Run locally</td>
<td>Yes</td>
<td>Yes or online</td>
<td>Yes</td>
</tr>
<tr>
<td>Template for I-D</td>
<td>Yes</td>
<td>Yes</td>
<td>2-Word-v2.0.template.dot</td>
</tr>
<tr>
<td></td>
<td>(auto updated)</td>
<td>(multiple)</td>
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</tr>
<tr>
<td>Automated</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
</tbody>
</table>
xml2rfc

A handy little tool, xml2rfc, will allow you to take your XML source (using the format defined in RFC 2629 and its unofficial successor) and see how the results look like in the original ASCII look-and-feel or the new modern HTML rendition of that look-and-feel.

**Conversion**

1. Download xml2rfc as a zip or tgz file, or
2. Try your results in this handy converter form:

```
[Image of XML2RFC converter]
```

**Living on the edge?**

Here is the current development release.

**March 2011 release**

Version 1.36 is available. Here's the README file.

**Major new xml2rfc features include:**

- Generate proper boilerplate for RFC generation (RFC 5741). (Also see the RFC Editor's status-memos page.)
WYSIWYG Internet-Draft Nroff Editor

Latest version 2.08 - Released May 23, 2011 - Free Download

Now including on-line integration with the IETF Tools diff check. Check your draft against the latest published draft in the IETF repository on the push of a single button. Generate permanent diff links for distribution and comments.

Now including automated RFC reference generation and automated version control. Now also provides font style and size configuration.

Internet-Drafts are working documents of the Internet Engineering Task Force standards processes to create RFC documents. Nroff Edit is a Java based WYSIWYG editor for writing and editing Internet-Drafts using the common Nroff format. The Nroff based Internet-Draft file is edited in the left window while the resulting compiled text version is instantly shown in the right Window as a result of any edit changes.
Draft preparation tools (continued)

Once you've written your draft, you can check idnits, create diff files, and run spell-check.
Idnits Tool

Check internet-drafts for submission nits

Version: 2.12.13
Author: Henrik Levkowitz

Check a draft for nits:
- [ ] verbose output (adds additional information to some error and warning messages)
- [ ] only do submission checks
- [ ] copyright year (if different from current)

Latest update: 2012-01-10 16:18 CET - webmaster@tools.ietf.org
Checking boilerplate required by RFC 5378 and the IETF Trust (see http://trustees.ietf.org/license-info):

No issues found here.

Checking nits according to http://www.ietf.org/id-info/id-guidelines.txt:

No issues found here.

Checking nits according to http://www.ietf.org/id-info/checklist:

-- The draft header indicates that this document updates RFC2616, but the abstract doesn't seem to directly say this. It does mention RFC2616 though, so this could be OK.

Miscellaneous warnings:

-- The copyright year in the IETF Trust and authors Copyright Line does not match the current year

-- The document date (March 28, 2011) is 489 days in the past. Is this intentional?

Checking references for intended status: Proposed Standard

(See RFCs 3967 and 4897 for information about using normative references to lower-maturity documents in RFCs)
Rfdiff Tool

Rfdiff Web Service

File 1 - Upload file: 

or enter URL or draft name:

File 2 - Upload file: 

or enter URL or draft name:

Output format: 

- Side-by-side diff
- Before-after diff
- Changebars
- Html wdiff

Html Wdiff Options:
- Colour of old text: 
- Colour of new text: 
- Larger diff text: 

Column width:

Generate diff

You can also use this web-service with an URL query-string of the form:


which makes it possible to send around links to diffs between document versions without actually generating the diff yourself, as long as the two document versions are available by http.

Example (yes, it is long - no way to get around that.. - but you could use tinyurl.com to get a short alias to one of
Rfcdiff Tool

File 1 - Upload file:  Scegli file  Nessun file selezionato

or enter URL:  

File 2 - Upload file:  Scegli file  Nessun file selezionato

or enter URL:  

Output format:
- Side-by-side diff
- Before-after diff
- Changebars
- Html wdiff

Column width:  

Color of old text:  red

Color of new text:  green

Larger diff text:  

Generate diff
Use of the Content-Disposition Header Field in the Hypertext Transfer Protocol (HTTP)

Abstract

RFC 2616 defines the Content-Disposition response header field, but points out that it is not part of the HTTP/1.1 Standard. This specification takes over the definition and registration of Content-Disposition, as used in HTTP, and clarifies internationalization aspects.

Editorial Note (To be removed by RFC Editor before publication)

skipping to change at page 1, line 34

Disposition in the HTTP/1.1 specification, as currently revised by the IETF HTTPbis working group. See also <http://trac.tools.ietf.org/wg/httpbis/trac/ticket/123>.

Discussion of this draft should take place on the HTTPBIS working group mailing list (ietf-http-bis@w3.org). The current issues list is at <http://trac.tools.ietf.org/wg/httpbis/trac/query?component=http&query=Component&content-disp> and related documents (including fancy diffs) can be found at <http://tools.ietf.org/wg/httpbis/>.

The changes in this draft are summarized in Appendix E.12.

Status of This Memo

This Internet-Draft is submitted in full conformance with the provisions of RFC 78 and RFC 79.

Internet-Drafts are working documents of the Internet Engineering Task Force (IETF). Note that other groups may also distribute working documents as Internet-Drafts. The list of current Internet-Drafts is at http://datatracker.ietf.org/drafts/current/.
Web Service

Check a draft for spelling errors:

- Scagl file
- Nessun file selezionate
- Check file

Latest update: 2007-03-28 17:43 CEST - webmaster@tools.ietf.org
Verification Tools

If your I-D contains...

- a YANG module or MIB module, please see http://www.ops.ietf.org.
- ABNF syntax, there are various parsers available.

FYI, if your I-D is approved for publication as an RFC, the RFC Editor will use these tools and contact you regarding errors:

- ABNF: Bill's ABNF parser (http://tools.ietf.org/tools/bap/abnf.cgi)
- XML: xml lint
- MIB module: SMICng
- YANG module: pyang
IETF Tools Tutorial

1) 3 URLs for 3 service groups
2) Document search, display, and print tools
3) Draft preparation tools
4) Working group tools
5) IESG related pages
6) IETF meeting related tools
7) Notification services
8) Tool-builder tools
9) Questions
Working group tools

- Working group status pages
- Individual document status pages
- WG wikis
- WG issue trackers
- Collected session agendas and session minutes marked up with document and materials links
- Email aliases for WG chairs and ADs
## Hypertext Transfer Protocol Bis (httpbis)

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Use of the Content-Disposition Header Field in the Hypertext Transfer Protocol (HTTP)
draft-ietf-httpbis-content-disp-09

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<td>Document shepherd:</td>
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<td>Responsible AD:</td>
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<td>IESG Note:</td>
<td>Mark Nottingham (HTTPBIS chair) is the document shepherd</td>
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<td>Send notices to:</td>
<td><a href="mailto:httpbs-chairs@tools.ietf.org">httpbs-chairs@tools.ietf.org</a>, draft-ietf-httpbis-content-disp-0tools.ietf.org</td>
</tr>
</tbody>
</table>

View wrigup

Email Authors | IPR Disclosures | Dependencies to this draft | Check nits | Comments feed | Search Mailing Lists

This Internet-Draft is no longer active. Unofficial copies of old Internet-Drafts can be found here:
http://tools.ietf.org/id/draft-ietf-httpbis-content-disp-09

Abstract:
RFC 2616 defines the Content-Disposition response header field, but points out that it is not part of the HTTP/1.1 Standard. This specification takes over the definition and registration of Content-Disposition, as used in HTTP, and clarifies internationalization aspects.
# Use of the Content-Disposition Header Field in the Hypertext Transfer Protocol (HTTP)

draft-ietf-httpbis-content-disp-09

## Diffs

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<td>09</td>
<td>(System)</td>
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Use of the Content-Disposition Header Field in the Hypertext Transfer Protocol (HTTP)
RFC 6266

Note: This ballot was opened for revision 06 and is now closed.

Summary: Needs a YES. Needs 3 more positions.

Adrian Farrel

Comment (2011-03-16)

I have no objection to the publication of this document. There are a couple of small points that I think would benefit from attention first.

Section 2 says that BNF from RFC 2616 is used. Section 3 mentions "ABNF". Is this the same (in which case please use consistent terminology) or different (in which case please supply a reference for ABNF).

|See also Peter's Discuss|

Robert Sparks

Comment (2011-03-14)

Consider adding "At the time of publication of this document, " to the front of the sentence starting with the purl.org URL at the end of Appendix D. Using a tool like purl.org helps make it easier to manage moving content around, but won't guarantee that the content isn't a dangling reference or that it contains relative content in 20 years.
Meeting chat: xmpp:httplib@jabber.ietf.org?join
Minutes: http://tools.ietf.org/wg/httplib/minutes

TUESDAY, July 31, 2012
1300-1500  Afternoon Session I  (Regency E)
Audio: <http://ietf84streaming.dnsalias.net/ietf/ietf847.m3u>

*  1 min - Blue sheets / scribe selection
*  4 min - Agenda bashing
* 10 min - HTTP/1.1 draft -20 changes overview
*  5 min - HTTP/1.1 status
* 10 min - HTTP/1.1 p1 - p2 issues discussion
* 15 min - HTTP/1.1 p4 - p7 WGLC issues discussion
* 15 min - Summary of HTTP/2.0 Authentication expressions of interest
* 45 min - Discussion of HTTP/2.0 Authentication proposals
* 15 min - Related Work
draft-tbray-http-legally-restricted-status [Tim Bray]

WEDNESDAY, August 1, 2012
1300-1500  Afternoon Session I  (Regency F)
Audio: <http://ietf84streaming.dnsalias.net/ietf/ietf848.m3u>

*  1 min - Blue sheets / scribe selection
*  4 min - Agenda bashing
* 15 min - Summary of HTTP/2.0 Protocol expressions of interest
* 45 min - Discussion of HTTP/2.0 Protocol proposals
* 45 min - Charter Discussion
* 10 min - Wrap-up

Recommended Reading for HTTP/1.x:
## Httpbis Status Pages

Hypertext Transfer Protocol Bis (Active WG)

### Working Group Documents:

<table>
<thead>
<tr>
<th>Draft name</th>
<th>Rev.</th>
<th>Dated Status</th>
<th>Comments, Issues</th>
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**Active:**
draft-ietf-httpbis-httpbis-content-disp

Status: Published as RFC 6266

Issues: 0/17

Working documents:

- **rfc-6266.txt** [txt/plain] [txt/pdf] [txt] [diff-from-09] 2011-06-06 15:59
- **draft-ietf-httpbis-httpbis-content-disp-09.txt** [txt/plain] [txt/pdf] [txt] [diff-from-08, wdiff, txt] 2011-03-28 07:12
- **draft-ietf-httpbis-httpbis-content-disp-08.txt** [txt/plain] [txt/pdf] [txt] [diff-from-07, wdiff, txt] 2011-03-14 22:29
- **draft-ietf-httpbis-httpbis-content-disp-07.txt** [txt/plain] [txt/pdf] [txt] [diff-from-06, wdiff, txt] 2011-03-14 12:52
- **draft-ietf-httpbis-httpbis-content-disp-06.txt** [txt/plain] [txt/pdf] [txt] [diff-from-05, wdiff, txt] 2011-02-26 11:40
- **draft-ietf-httpbis-httpbis-content-disp-05.txt** [txt/plain] [txt/pdf] [txt] [diff-from-04, wdiff, txt] 2011-02-17 11:02
- **draft-ietf-httpbis-httpbis-content-disp-04.txt** [txt/plain] [txt/pdf] [txt] [diff-from-03, wdiff, txt] 2010-11-12 13:06
- **draft-ietf-httpbis-httpbis-content-disp-03.txt** [txt/plain] [txt/pdf] [txt] [diff-from-02, wdiff, txt] 2010-10-22 15:52

Other HTTP drafts:

- http-bis-method
- http-bis-registrations
- http-bis-p7-auth
- http-bis-p6-cache
- http-bis-p5-range
- http-bis-p4-conditional
- http-bis-p3-payload
- http-bis-p2-semantics
- http-bis-p1-messaging
- http-bis-aushis
- registrations
- http-bis-security
httpbis Status Pages
Hypertext Transfer Protocol Bis (Active WG)

IETF-84 httpbis agenda

Session 2012-07-31 1300-1500: Regency E - Audio stream - httpbis chatroom
Session 2012-08-01 1300-1500: Regency F - Audio stream - httpbis chatroom

Agenda

HTTPbis Working Group Agenda - IETF 84

Meeting chat: xmpp:httpbis@jabber.ietf.org/join
Minutes: http://tools.ietf.org/wg/httpbis/minutes

TUESDAY, July 31, 2012
1300-1500  Afternoon Session I  (Regency E)
Audio: <http://ietf84streaming.dnsalias.net/ietf/ietf847.m3u>

* 1 min - Blue sheets / scribe selection
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* 10 min - HTTP/1.1 p1 - p2 issues discussion
* 15 min - HTTP/1.1 p4 - p7 WGLC issues discussion
* 15 min - Summary of HTTP/2.0 Authentication expressions of interest
IETF-84 httpbis minutes

There are no httpbis minutes from IETF-84 yet, but an interactive document which supports collaborative editing is provided below, for note-taking during the meeting. This will be replaced by the meeting minutes when they have been submitted.

You can open the document without embedding if you prefer that over the embedded version below.

Welcome to Etherpad Lite!
This pad text is synchronized as you type, so that everyone viewing this page sees the same text.
This allows you to collaborate seamlessly on documents.
### Active Tickets by Component

#### method-registrations
- **#377** what is the idempotency of LINK and UNLINK?
  - Type: design
  - Priority: normal
  - Status: new
  - Created: 2012-07-23

#### non-specific
- **#326** Ideas for stuff that could go into a Part 0
  - Type: editorial
  - Priority: normal
  - Status: new
  - Created: 2011-12-05

- **#271** Review SHOULD-level requirements
  - Type: editorial
  - Priority: normal
  - Status: new
  - Created: 2011-02-08

- **#244** Uniform terminology

#### p1-messaging
- **#176** half-close because of piping
  - Type: editorial
  - Priority: normal
  - Status: new
  - Created: 2009-06-25

- **#339** Misc editorial feedback for consideration in p1
  - Type: editorial
  - Priority: normal
  - Status: new
  - Created: 2012-02-07

#### p2-semantics
- **#381** p2: things that need to be fixed
  - Type: editorial
  - Priority: normal
  - Status: new
  - Created: 2012-02-07
Email aliases:

<wg-acronym>-chairs@tools.ietf.org
<wg-acronym>-ads@tools.ietf.org

For example:

mip4-chairs@tools.ietf.org goes to Henrik Levkowetz and Pete McCann
mip4-ads@tools.ietf.org goes to Brian Haberman and Ralph Droms
(and int-ads@tools.ietf.org would too)
IETF Tools Tutorial

1) 3 URLs for 3 service groups
2) Document search, display, and print tools
3) Draft preparation tools
4) Working group tools
5) IESG related pages
6) IETF meeting related tools
7) Notification services
8) Tool-builder tools
9) Questions
IESG-related pages

The IESG meets every 2 weeks to process documents, WG charters and other matters. The support pages they use are public:

- The IESG agenda
- Documents on future IESG agendas
- WG chartering tool
IESG Agenda: 2012-08-16

See also: Documents on Future IESG Telechat Agendas and IESG Discuss Positions.

1. Adminstrivia

1.1 Roll Call
1.2 Bash the Agenda
1.3 Approval of the Minutes of Past Telechats
1.4 List of Remaining Action Items from Last Telechat

OUTSTANDING TASKS

   Last updated: July 23, 2012

   o Brian Haberman to propose plan to move RFC 5156 to Historic.
   o Sean Turner to review the Protocol Number Request [IANA #501375].

2. Protocol Actions

Reviews should focus on these questions: "Is this document a reasonable basis on which to build the salient part of the Internet infrastructure? If not, what changes would make it so?"

2.1 WG Submissions

2.1.1 New Items

draft-ietf-ospf-prefix-hiding [txt]
Hiding Transit-only Networks in OSPF (Proposed Standard)
Note: Acee Lindem (acee.lindem@ericsson.com) is the document shepherd.

IPR:

   • Cisco's Statement of IPR Related to draft-ietf-ospf-prefix-hiding-03
## Documents on Future IESG Telechat Agendas

### IESG telechat 2012-08-16

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<td>Hiding Transit-only Networks in OSPF</td>
<td>Draft, 13 pages</td>
<td>IESG Evaluation (for 4 days)</td>
<td>Stewart Bryant</td>
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<tr>
<td>draft-ietf-ospf-hybrid-bcast-and-p2mp-03</td>
<td>OSPF Hybrid Broadcast and P2MP Interface Type</td>
<td>Draft, 16 pages</td>
<td>IESG Evaluation (for 4 days)</td>
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<td>IANA Registering a SIP Resource Priority Header Field Namespace for Local Emergency Communications</td>
<td>Draft, 8 pages</td>
<td>IESG Evaluation (for 10 days)</td>
<td>Robert Sparks</td>
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<td>draft-vegin-pana-ancr-avp-03</td>
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### 2. Protocol Actions

#### 2.1 WG Submissions

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### 3. Document Actions

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<td>Encrypting PANA AVPs</td>
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### 3.2 Individual Submissions Via AD

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<td>Some Measurements on World IP6 Day</td>
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<td>Ralf Hennings</td>
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### 3.3 IRTF and Independent Submission Stream Documents

#### 3.3.3 For Action

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<td>Some Measurements on World IP6 Day</td>
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<td>Ralf Hennings</td>
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Chartering or Re-Chartering Working Groups

Groups with a charter in state informal IESG review, internal review, external review, or IESG review.

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<th>Charter</th>
<th>Date</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>dsi</td>
<td>Data Set Identifier Interoperability</td>
<td>2012-06-20</td>
<td>Informal IESG review (Initial Chartering)</td>
</tr>
</tbody>
</table>
IETF Tools Tutorial

1) 3 URLs for 3 service groups
2) Document search, display, and print tools
3) Draft preparation tools
4) Working group tools
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6) IETF meeting related tools
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9) Questions
IETF meeting related tools

Try the meeting agenda marked up with links to:

- HTMLized session agendas,
- Jabber rooms,
- meeting materials,
- room location, etc.

Individually customized extracts from the agenda converted to downloadable and subscribable calendar files.
**IETF-84 Agenda**

<table>
<thead>
<tr>
<th>SUNDAY</th>
<th>MONDAY</th>
<th>TUESDAY</th>
<th>WEDNESDAY</th>
<th>THURSDAY</th>
<th>FRIDAY</th>
</tr>
</thead>
</table>

Agenda of the 84th IETF Meeting

July 29-August 3, 2012

Updated 2012-07-28 08:49:58 PDT

**Room Maps**

IETF agendas are subject to change, up to and during the meeting.

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**SATURDAY, July 28, 2012**

0930-1800  Code Sprint - Turner

---

**SUNDAY, July 29, 2012**

1100-1900  IETF Registration - Regency Ballroom Foyer
1000-1200  IEPG Meeting - Regency A
1300-1450  Newcomers' Orientation - Regency B
1300-1450  Network Configuration Management with NETCONF and YANG Tutorial - Regency E
1300-1450  Meetecho Tutorial for Participants and WG Chairs - Regency A
1500-1650  Security Tutorial - Regency A
1500-1650  Introduction to IETF Tools Tutorial - Regency B

---
IETF 84 Meeting Agenda

Vancouver, BC, July 29 – August 3, 2012
Updated 2012-07-28 08:49:58 PDT

(There's also a plaintext agenda and a tool-style agenda available)

IETF agendas are subject to change, up to and during the meeting.

You can customize the agenda below to show only selected working group sessions. To be able to return to the customized view later, bookmark the resulting URL.

▶ Select working group sessions

SATURDAY, July 28, 2012

0930-1000  Code Sprint - Turner

SUNDAY, July 29, 2012

1000-1030  IEPG Meeting - Regency A
1100-1130  IETF Registration - Regency Ballroom Foyer
1130-1200  Break - Regency Ballroom Foyer
1300-1330  Meetecho Tutorial for Participants and WG Chairs - Regency A
1330-1400  Network Configuration Management with NETCONF and YANG Tutorial - Regency E
1400-1430  Newcomers' Orientation - Regency B
1450-1530  Introduction to IETF Tools Tutorial - Regency B
IETF-84 ical/vcal Agenda Generator

Mark the sessions below which you'd like included in your calendar and hit the submit button at the bottom of the page, and custom iCal and vCal files will be generated for you.

The iCal files are updated hourly, so if the agenda changes, and your calendar application has the ability to subscribe to a calendar, you can subscribe to the URL of generated file, and get updates as they occur.

Some pre-built iCal files:

- All sessions: IETF-84
- Sessions by Area: APP GEN INT OPS RAI RTG SEC TSV

Agenda of the 84th IETF Meeting
July 29-August 3, 2012
Updated 2012-07-28 08:49:59 PDT

IETF agendas are subject to change, up to and during the meeting.

All sessions .ics file

SATURDAY, July 28, 2012
- 0930-1800  Code Sprint - Turner
IETF 84 Meeting Agenda

Vancouver, BC, July 29 – August 3, 2012
Updated 2012-07-28 08:49:53 PDT

(There’s also a plaintext agenda and a tool-style agenda available)

IETF agendas are subject to change, up to and during the meeting.

You can customize the agenda below to show only selected working group sessions. To be able to return to the customized view later, bookmark the resulting URL.

Select working group sessions
TCPM meeting, IETF-84, Vancouver, BC, Canada
Monday, July 30, 09:00 - 11:30

WG Status
--------
Time: 5 minutes

Working Group Items
-------------------

* Shared Use of Experimental TCP Options
  draft-ietf-tcpm-experimental-options
  Speaker: Chairs proxying Joe Touch
  Time: 5 minutes

* A TCP Authentication Option NAT Extension (not a WG item)
  draft-touch-tcp-m-nat
  Speaker: chairs proxying Joe Touch
  Time: 5 minutes

* Proportional Rate Reduction for TCP
  draft-ietf-tcpm-proportional-rate-reduction
  Speaker: Matt Mathis
  Time: 5 minutes

* Increasing TCP's Initial Window
  draft-ietf-tcpm-initwnd
  Speaker: Matt Mathis
  Time: 5 minutes

* TCP Fast Open
  draft-ietf-tcpm-fastopen
  Speaker: Yuching Cheng
  Time: 5 minutes

* RFC 1323bis
  draft-ietf-tcpm-1323bis
iPad/iPhone app: IETFers

Save your favorites and plan your meeting time. Also, gives you access to all the agendas, meeting slides, charters, and minutes for the current meeting as well as past meetings.
IETFers

By Ij Incorporated

Open iTunes to buy and download apps.

Description

Internet Engineering Task Force (IETF) Conference application for tracking the Tri-annual working group meeting schedules and room locations.

Ij Incorporated Web Site › IETFers Support ›

What's New in Version 1.4
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Notification services

The Daily Dose of IETF

RSS feed: New RFCs

RSS feed: IPR Disclosures to the IETF

NEW
Create an account and use "My tracked I-Ds" to create a personal list of I-Ds you want to track. Under Exports, you can subscribe to a feed of changes to the statuses of I-Ds on your personal list.
The Daily Dose of IETF

"Be conservative in what you send and liberal in what you accept"

IETF-Announce List

- NomCom 2012-2013: Timeline and Seeds for Random Selection (NomCom Chair)
- New Non-WG Mailing List: irs-discuss — Interface to The Internet Routing System (IRS) (ETF Secretariat)
- Protocol Action: "Internet X.509 Public Key Infrastructure — HTTP Transfer for CMP to Proposed Standard (draft-ietf-pkix-cmp-transport-protocols-20.txt) (The IESG)
- Last Call: <draft-ietf-ccamp-dpm-06.txt> (Label Switched Path (LSP) Data Path Delay Metrics in Generalized MPLS/ MPLS-TE Networks) to Proposed Standard (The IESG)

New RFCs

- RFC 6697 on Handover Keying (HOKEY) Architecture Design (rfc-editor)
- RFC 6696 on EAP Extensions for the EAP Re-authentication Protocol (ERP) (rfc-editor)
- RFC 6691 on TCP Options and Maximum Segment Size (MSS) (rfc-editor)
- RFC 6699 on Usage of the RSVP ASSOCIATION Object (rfc-editor)

Drafts Sent to IESG

- MPLS and Ethernet OAM Interworking (draft-ietf-pwe3-mpls-etn-oam-06): Active » Publication Requested

IESG Progress

- Label Switched Path (LSP) Data Path Delay Metrics in Generalized MPLS/ MPLS-TE Networks (draft-ietf-ccamp-dpm): AD Evaluation » In Last Call

Drafts Sent to RFC Editor

- xDSL multi-pair bonding (G.Bond) MIB (draft-ietf-adslmib-gbond-mib): Approved-announcement sent » RFC Ed Queue
- Pseudowire Control Word Negotiation Mechanism Update (draft-ietf-pwe3-cbi-negotiation): Approved-announcement sent » RFC Ed Queue
Autorizzazione necessaria!

Questo server non può verificare l'autorizzazione all'accesso a "/accounts/login". Questo errore potrebbe essere causato da credenziali errate (nome utente o password errata) oppure da un browser che non riesce a comunicare il nome utente e la password in modo corretto.

Nel caso in cui ritiensi di aver diritto ad accedere al documento, controlla il nome utente e la password forniti e riprova.

Se pensi che questo sia un errore del server, per favore contatta il webmaster.

Error 401

datatracker.ietf.org
Sun Jul 29 14:44:41 2012
Apache/2.2.10 (Linux/SUSE) mod_ssl/2.2.10 OpenSSL/0.9.8h PHP/5.2.13 with Suhosin-Patch mod_python/3.3.1 Python/2.6 mod_wsgi/3.3 mod_perl/2.0.4 Perl/v5.10.0
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Tool-builder tools

Meta-information about drafts and working groups which is available to prospective tool builders -- where to find it, what kind of information is available, and in which formats.
Questions?

If you have comments or suggestions about IETF tools, please send them to tools-discuss@ietf.org.

If you have questions about xml2rfc, please send them to xml2rfc@ietf.org.

Thank you.

Alice Russo
Henrik Levkowetz
IETF Tools Tutorial "CHEAT SHEET" (IETF 84)

1) 3 URLs for 3 service groups
IETF site http://www.ietf.org
Datatracker https://datatracker.ietf.org
Tools site http://tools.ietf.org

2) Document search, display, and print tools
Datatracker http://datatracker.ietf.org/
Search http://tools.ietf.org/search/
PDF http://tools.ietf.org/pdf/

3) Draft preparation tools
xml2rfc http://xml.resource.org
nroffedit http://aaa-sec.com/nroffedit/
IDraft http://tools.ietf.org/idraft