

ISOC IT

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Status: Information

Background:

Since the organizational realignment of ISOC IT at the start of the year, initial focus was put on strengthening our IT infrastructure - particularly support and operation of the ISOC web site. Current activities are now targetting preparations for a web site redesign, implementation of new tools and technologies and improvement of current systems. Resources have recently been strengthened with the hiring of a new web developer/webmaster.

Update:

Membership system

Further to the discussions during the ISOC BoT meeting in Utrecht, Go Members was chartered to carry out an analysis to determine how to proceed with ISOC's system simplification proposal. This analysis has now been completed. GO Members' proposal was not accepted due to excessive cost and time requirements, and alternative ways of developing the required functionality are now being examined.

As a first step, a comprehensive membership system survey has been sent to all Chapter delegates. The purpose of the survey is to learn more about how Chapters work with membership management (including their experiences with the ISOC membership system or their own systems) as well as to get an understanding of how Chapters and their members could contribute to a possible future collaborative development effort. The survey may be viewed here:

<http://www.isoc.org/tools/surveys/readonly-survey0601.htm>

Following termination of the survey period, results will be analysed and a small committee of Chapter representatives will be set up to assist with the next phase of the development process.

Web site

Content audit

This ongoing activity in collaboration with all staff has resulted in the removal of much obsolete information. Much more remains to be done, and this cleanup activity must be completed prior to a web site redesign.

Accessibility and compliance

An activity has been started to improve the consistency of the look and feel of the various parts of the web site. This includes the implementation of new standard page templates which improve accessibility (through a reduction in the use of images where text would suffice), and which also ensure W3C compatibility. The new templates are being applied whenever significant content updates are done.

Blogs

The ISOC BoT Election Candidate Forum was the first part of the web site to be implemented using an integrated Wordpress blog back-end.

The IETF Journal section of the web site has now been revamped and is now also implemented based on a blog. The entire contents of the IETF Journal is now also available via RSS 2.0 and Atom 1.0 news feeds. The Atom 1.0 support was developed by ISOC to ensure compliance with the Atom 1.0 RFC.

The blog engine simplifies content management and is an ideal platform for implementing newsletters/periodicals on the web. We plan to examine use of the same platform for the Chapter newsletter. Additional blog functionality such as direct submissions by authorized authors, commenting etc will be useful here.

Multilingual content

The entire content of the SEINIT portal has now been translated into French, German and Spanish under the grant given to ISOC by the Swiss government and as part of the EU's 6th Framework programme. The SEINIT portal is based on an open source CMS - this CMS implementation can be seen as an ISOC pilot as we may base our future web site on the same, or similar technology. Work is now progressing on implementing CMS components that will enable consistent implementation of the multilingual versions the portal content. Once again, lessons learned from this experience will be useful as we define our future web site requirements.

Site Map

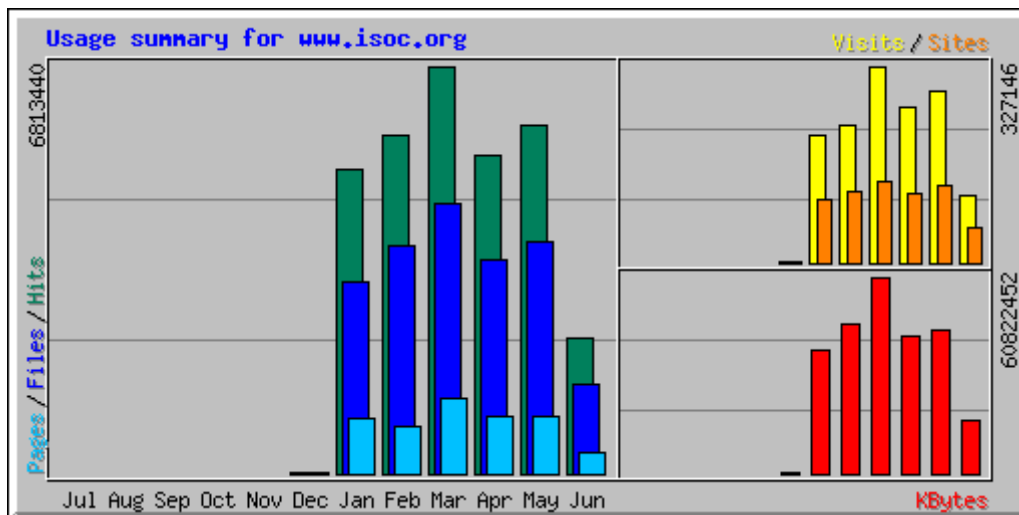
A new site map for isoc.org has been implemented at <http://www.isoc.org/help/map/>

CMS

An activity to evaluate and pilot CMS tools will be started as soon as possible.

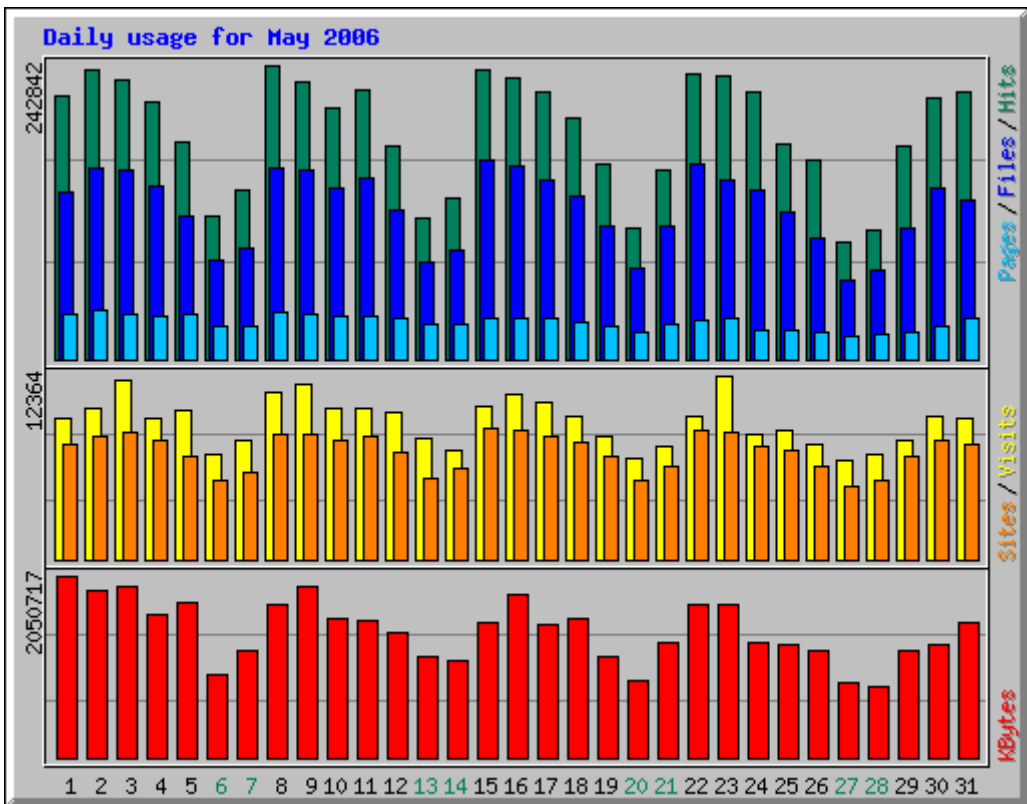
Statistics

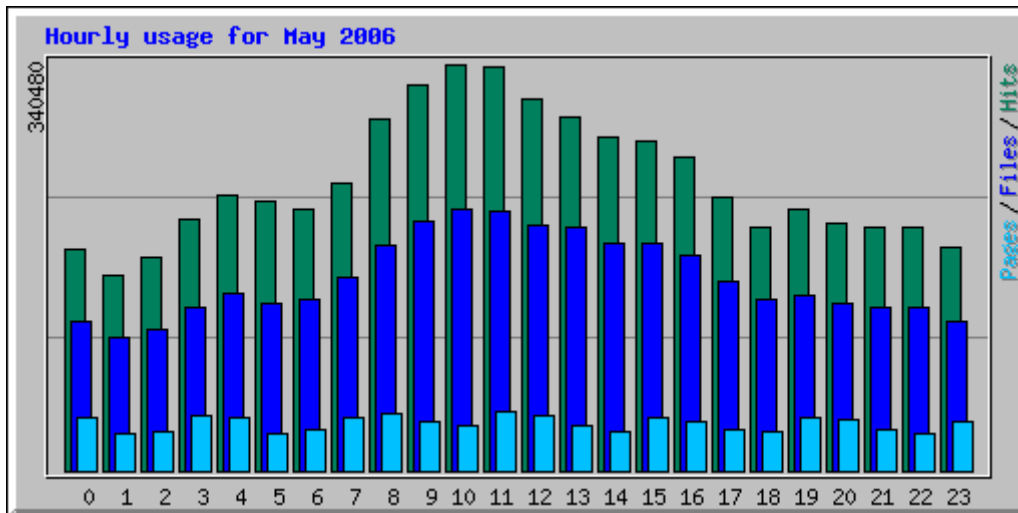
Web statistics gathering was implemented at the time of the move to the new IT organisation. Raw logs and statistics are therefore only available from late December 2005 onwards. Summary information is presented below:



Summary by Month										
Month	Daily Avg				Monthly Totals					
	Hits	Files	Pages	Visits	Sites	KBytes	Visits	Pages	Files	Hits
Jun 2006	174271	115753	26953	8715	57986	16416980	113298	350399	1504797	2265529
May 2006	187954	125054	30644	9225	128323	44417775	285999	949986	3876697	5826580
Apr 2006	177611	119363	32259	8603	116664	42579198	258109	967785	3580919	5328334
Mar 2006	219788	145755	41078	10553	134646	60822452	327146	1273421	4518405	6813440
Feb 2006	202264	136368	28644	8224	119643	46319766	230280	802040	3818327	5663415
Jan 2006	188638	118257	34504	7835	103487	37971954	211567	931612	3192941	5093226
Dec 2005	120	1	99	4	21	363	22	497	6	604
Totals						248528488	1426421	5275740	20492092	30991128

Monthly Statistics for May 2006		
Total Hits	5826580	
Total Files	3876697	
Total Pages	949986	
Total Visits	285999	
Total KBytes	44417775	
Total Unique Sites	128323	
Total Unique URLs	17150	
	Avg	Max
Hits per Hour	7831	18946
Hits per Day	187954	242842
Files per Day	125054	164210
Pages per Day	30644	40299
Visits per Day	9225	12364
KBytes per Day	1432831	2050717





Top 25 of 17150 Total URLs					
#	Hits		KBytes		URL
1	89085	1.53%	115023	0.26%	/includes/isoc_styles.css
2	57469	0.99%	2310105	5.20%	/
3	34538	0.59%	2949300	6.64%	/internet/history/brief.shtml
4	30741	0.53%	689874	1.55%	/internet/history/
5	28281	0.49%	20988	0.05%	/robots.txt
6	12606	0.22%	3225	0.01%	/internet-history/brief.html
7	9516	0.16%	14419	0.03%	/inet2000/cdproceedings/paper.css
8	9323	0.16%	1894	0.00%	/inet2000/cdproceedings/paper2.css
9	9258	0.16%	116011	0.26%	/tools/blogs/elections06/
10	8781	0.15%	36859	0.08%	/webfeeds/
11	5276	0.09%	81889	0.18%	/internet/
12	4466	0.08%	73339	0.17%	/isoc/
13	4455	0.08%	79222	0.18%	/members/
14	4240	0.07%	87272	0.20%	/tools/blogs/ietfjournal/
15	4182	0.07%	8416	0.02%	/oti/scripts/e2f.js
16	4019	0.07%	89864	0.20%	/internet/history/cerf.shtml
17	3349	0.06%	56109	0.13%	/standards/
18	3263	0.06%	35449	0.08%	/help/
19	3153	0.05%	73263	0.16%	/orgs/
20	3101	0.05%	52437	0.12%	/isoc/chapters/
21	3096	0.05%	46830	0.11%	/isoc/mission/
22	2992	0.05%	574	0.00%	/internet-history/
23	2711	0.05%	54086	0.12%	/educpillar/
24	2694	0.05%	43941	0.10%	/pubs/
25	2667	0.05%	34569	0.08%	/isoc/conferences/

DNS

Various inconsistencies in ISOC's DNS have been cleaned up - this mainly involved an audit and clean-up of the isoc.org zone file. A lame secondary DNS server was removed and a new secondary implemented in Europe (courtesy of NL Netlabs).

Collaboration Tools

Several new Wikis have been implemented for closed user groups - e.g. staff, or the cross-organisation team managing ISOC's plans for participation in the IGF and Telecom.

IPv6

An activity is underway to prepare for implementing IPv6 for ISOC's web site. This is progressing well with the support of external specialists. Brian Carpenter (IETF Chair) has helped put ISOC in touch with IPv6 experts. We expect to be able to offer IPv6 connectivity to our main web site during the month of July.

VoIP

Further to the implementation of a VoIP gateway in the Geneva office last year, we have now implemented an open source SIP server. This service is experimental and is expected to provide experience that will help us plan our future approach to VoIP implementation. Future activities may also include evaluation of open source IP PBX software.

WebDAV

WebDAV (Web-based Distributed Authoring and Versioning) has been implemented on the ISOC web server - this will be used to pilot web-based document sharing and collaboration.

Jabber

The ISOC Jabber server is now in production. It is running ejabberd (a Free and Open Source distributed fault-tolerant Jabber/XMPP server). All ISOC staff have migrated to jabber.isoc.org accounts. Conferencing is available on conference.isoc.org.

News Feeds

In addition to the feeds on the home page feed and for the IETF Journal, it is planned to introduce further feeds in both RSS 2.0 and Atom 1.0 format. These will support program activities such as news about ISOC's IGF involvement, news about new education initiatives etc.

Knowledge Base

An internal IT Wiki is being used to document technical information and build up a knowledge base related to the tools and technologies that we use.

Recruitment

The recruitment process for a new Web Developer/Webmaster started at the end of the first quarter of 2006. A large number of well qualified candidates with strong technical competence and extensive international experience applied for this position. The selected candidate was hired in Geneva and became operational very quickly. Having a small team working together is proving to be very effective. For example, this cooperation has already enabled us to move from concept to implementation of a new blog-based platform for the IETF Journal in a very short time.