Because I recently installed and used NSCA's MacMosaic WWW browser, I now understand the nature of your request for MacGS to respond to high-level Apple events. (Well, there's that and the fact that MacGS is the only PS viewer that's available free for the Macintosh.) Thus, because my interest has been piqued, I'll do some legwork in the next couple of weeks to see if the MacGS UI driver can poll for Apple Events. As always, given this is recreational programming, I'm not making any promises! :-)

...Martin Fong  mwfong@nisc.sri.com
I was very glad to see Bebo's update mail of November 10 to this list on WWW status and other thoughts.

Some comments on Bebo's thoughts on pages, page development, page procedures, etc.:

- Re dense vs. sparse front pages, my reasoning that's led to creating a dense home page is based on the fact that most people spend most of their work time doing things they're experienced with. That means they emphasize speedy techniques. If we have a sparse home page, as SLAC users get more experienced, I think they'll get more frustrated with having to get through a extra page before they get to the place they really work. In fact, I've already heard complaints like this. So I've designed the Test SLAC Home Page as a reference page for experienced users.

However, I've also designed a second home-ish page for learners, not only for SLAC users new to the Web, but also for people from where-ever in the world browsing the Web. That's the first link in the Test SLAC Home Page after the institutional (and test description) links, the WorldWideWeb (WWW) one. Anyone have any suggestions for changes to this page to make it a more effective tutorial?

As Tony and I have discussed, I'd really like to have a defaulting capability in the browsers so that when SLAC users start, they get the tutorial home page and when they become more experienced they have an easy way to change their default to the reference home page.

I also think the SLAC institutional information is often what one sees in others' home pages. (Press the SLAC link at the top of the pages using TEMPLATE HTML format to see a start on ours.)

There really are several user audiences here. One home page will not serve all their needs.

- I agree that we should look at CVS for management of our UNIX code and page changes, probably sooner than later, but I prefer after we get more experience with the needs for relative and fully qualified links and the test pages are installed.

- I would like to see something written up about clean living with both WWW and Gopher rules files. They're terribly important and we can easily turn them into an unmaintainable (and insecure) spaghetti mass.

- Re the relative vs. fully qualified addressing questions, who's
using the SLAC Home Page from UNIX now?

Bebo said:

> All unresolved path names to www.slac.stanford.edu are mapped to the
> slacvm FINDGATE. That means that
> <http://www.slac.stanford.edu:80/scs.html> is mapped to

Where are these unresolved path names mapped? Under what circumstances? How?

Joan
Received: from SLACVM by SLACVM.SLAC.STANFORD.EDU (Mailer R2.08 R208004) with
BSMTP id 2475; Wed, 17 Nov 93 08:48:57 PST
Received: from hebe.SLAC.Stanford.EDU by SLACVM.SLAC.STANFORD.EDU
(IBM VM SMTP V2R1) with TCP; Wed, 17 Nov 93 08:48:56 PST
Received: by hebe.SLAC.Stanford.EDU (AIX 3.2/UCB 5.64/SLAC 920508)
 id AA47682; Wed, 17 Nov 1993 08:49:05 -0800
Date: Wed, 17 Nov 1993 08:49:05 -0800
From: bebo@unixhub.SLAC.Stanford.EDU
Message-Id: <9311111649.AA47682@hebe.SLAC.Stanford.EDU>
Subject: Re: MacGS and NCSA Mosaic
To: bebo@slacvm.SLAC.Stanford.EDU

>> From: macminn@mcl.cc.utexas.edu (Richard D. MacMinn)
>> Subject: Re: MacGS and NCSA Mosaic
>> To: mwfong@nisc.sri.com (Martin Fong), BEBO@slac.stanford.edu
>> Cc: fong@nisc.sri.com
>> X-Envelope-To: BEBO@UNIXHUB.SLAC.STANFORD.EDU
>> Mime-Version: 1.0
>> Content-Type: text/plain; charset="us-ascii"
>> Content-Transfer-Encoding: 7BIT
>>
>> At 12:36 PM 11/16/93 -0800, Martin Fong wrote:
>> Because I recently installed and used NSCA's MacMosaic WWW
>> browser, I now understand the nature of your request for MacGS to
>> respond to high-level Apple events. (Well, there's that and the fact
>> that MacGS is the only PS viewer that's available free for the
>> Macintosh.) Thus, because my interest has been piqued, I'll do some
>> legwork in the next couple of weeks to see if the MacGS UI driver can
>> poll for Apple Events. As always, given this is recreational
>> programming, I'm not making any promises! :-)
>>
>> ...Martin Fong
>>
>> Thanks. Maybe it shouldn't be freeware. I'd find it especially
>> valuable if it allowed me to view ps files online using mosaic.
>> RDM
>>
>> Richard D. MacMinn
>> Department of Finance
>> Graduate School of Business
>> University of Texas
>> Austin, TX 78712
>>
>> Office: (512) 471-5758
>> Fax: (512) 471-5073
>> Internet: macminn@mcl.cc.utexas.edu
>>
Received: from SLACVM by SLACVM.SLAC.STANFORD.EDU (Mailer R2.08 R208004) with 
BSMTP id 5907; Wed, 17 Nov 93 11:00:07 PST 
Received: from hebe.SLAC.Stanford.EDU by SLACVM.SLAC.STANFORD.EDU 
(IBM VM SMTP V2R1) with TCP; Wed, 17 Nov 93 11:00:06 PST 
Received: by hebe.SLAC.Stanford.EDU (AIX 3.2/UCB 5.64/SLAC 920508) 
id AA27069; Wed, 17 Nov 1993 11:00:15 -0800 
Date: Wed, 17 Nov 1993 11:00:15 -0800 
From: bebo@unixhub.SLAC.Stanford.EDU 
Message-Id: <9311171900.AA27069@hebe.SLAC.Stanford.EDU> 
Subject: WWW-Oracle 
To: bebo@slacvm.SLAC.Stanford.EDU 

>> From: decoux@moulon.inra.fr (ts) 
>> Subject: WWW-Oracle 
>> To: www-talk@nxoc01.cern.ch 
>> X-Envelope-To: BEBO@UNIXHUB.SLAC.STANFORD.EDU 
>> Content-Transfer-Encoding: 7BIT 

>> 
>> Hello, 
>> 
>> I've make a few modification to WWW-oracle : 
>> 
>> * I've adopted Sanders's modification for "rowid" and "lock" 
>> 
>> * add tag "<TEXTAREA>" for Oracle datatype "LONG CHAR". Don't forget you 
>> can only have one column with this datatype in a table. 
>> 
>> * You must confirm a "DELETE" 
>> 
>> * server display comments associated with a table or a column 
>> 
>> Example : 
>> 
moulon% sqlplus 
moulon% SQL> COMMENT ON TABLE PROJETS IS '<img src="/moon.xbm"><p>' ; 
moulon% SQL> COMMENT ON COLUMN PROJETS.PROJET IS 'Please, if you have a nice 
>> moon, <a href="http://ts.html">send me it</a><p>' ; 
moulon% SQL> EXIT 

>> Problem : length <= 255 (Oracle restriction) 

>> * I've a problem with "release_lock" : when a user put a lock, I send it 
>> in a document. To release a lock, the user must give the good lock. If he 
>> lost his lock, he can't release it. 

>> I use this special convention : 
>> 
>> - If a user has "CHECKIN" and "CHECKOUT" : he can put a lock and release 
>> only his own lock. 

>> - If a user has all privileges "GET ... CHECKOUT" : he can release any 

>> Please, send me any suggestions or comments before I try to debug it. 

>> Thanks,
>>
>> Guy Decoux
>>
>>
Would you please send me information on what you're doing with Oracle and WWW? We would like to get an Oracle/WWW interface in place as quickly and efficiently as possible and would like to benefit from what you've done, be a test site for you, and help in any way that we can.

Hello,

I use Oracle precompilers to query and update an Oracle database.

I've an old interface which permit only to query a database, but it is really complex to customize it. The documentation is:

http://moulon.inra.fr/oracle/www_oracle_eng.html

With the new interface you can query and update your database. But to use it you must have a client 1.0 which recognize tag <FORM> (like "Mosaic 2.0").

Features for this version are:
- method GET, PUT, POST, DELETE, SHOWMETHOD, CHECKIN and CHECKOUT
- access control based on method name
- form
- minimal configuration: you just have to add an URL in a document
- you can add a general comment for the database, comments on tables and comments on columns.
- you can add links to go from a row in a table to rows in other tables.

Documentation is "http://moulon.inra.fr/update_eng.html"

Demo is "http://moulon.inra.fr/oracle/A/update/table?action=tables"

You can retrieve all modified files for WWWDaemon_2.14 (CERN httpd) in:


Guy Decoux
WWW-Oracle

=======

A better example for Oracle and WWWDaemon 2.14 is in:


Features:

* method GET, PUT, POST, DELETE, SHOWMETHOD, CHECKIN and CHECKOUT
* access control based on method name
* form
* minimal configuration: you just have to add an URL in a document
* you can add a general comment for the database, comments on tables and
  columns.
  * you can add links to go from a row in a table to rows in other tables.

Documentation is "http://moulon.inra.fr/update_eng.html"

Demo is "http://moulon.inra.fr/oracle/A/update/table?action=tables"
Newsgroups: comp.infosystems.www

From: aktg8986@uxa.cso.uiuc.edu (Aleksandar K Totic)
Subject: Re: Mac Mosaic & MacTCP 2.0.2?
Date: 19 Nov 1993 23:51:49 GMT

snorman@muse.den.mmc.com (Steve Norman) writes:

> Does this jive with other's experience. IS MacTCP 2.0.2
> out yet, or is it beta? Is it really important to have?

It is important. Without MacTCP2.0.2, Mosaic will leak about 12K of
memory on every access, and crash eventually. If you allocate it a large
memory partition, you might not notice the problem. Actually, since 1.0
is crashing anyway it does not make much difference right now. But when
1.0.1 comes out, your performance will be much more solid with 2.0.x.

--
Aleksandar Totic
Software Development Group atotic@ncsa.uiuc.edu
National Center for Supercomputing Applications
NCSA is proud to announce the 1.0.1 release of NCSA Mosaic for the Macintosh.
1.0.1 was released Wednesday, November 24, 1993 at 3:35 pm (central time).

NCSA Mosaic is an application that allows the user to easily access networked information from all over the world with the click of a button. The Internet is the primary source of networked information to the University and scientific communities. Services to access this information are rapidly being created. A few examples of the services currently available are Gopher, WAIS, World Wide Web, FTP, Usenet News, Telnet, and Archie. NCSA Mosaic is designed to provide transparent, seamless access to nearly all of these information sources and services. In addition it gives the user a mechanism to retrieve and display a wide variety of data types. These types include text, images, movies, sound and scientific data.

NCSA Mosaic for the Macintosh can be download via anonymous ftp from ftp.ncsa.uiuc.edu directory Mac/Mosaic.

The bugs and improvements of 1.0.1 release: For a complete list of features check the Macintosh home page.

New Features...........
- Speed. Mosaic is significantly faster now, especially if you have fast network.
- Domain names are cached if you are using MacTCP 2.0+, resulting in faster downloads
  - "Open URL..." menu item is active even if there are no documents open.
  - HTTP 0.9 loading option. Because of incompatibilities between protocols this option has been added. If you are having problems with HTTP 0.9 server, switch this option on before loading documents from it. An example of this is
- Images stored in the cache are loaded automatically, even if "Auto-load images" option is off.
- Inline images will be loaded to disk if "Load to disk" option is on.
- The cache can be flushed from the menu.
- Images are dithered on machines without color Quickdraw.

Bugs..............
- Mosaic would not start up unless a printer was chosen.
- "&quot; HTML entity is now recognized.
- Redirected URLs (in HTTP 1.0 protocol) work for all protocols.
- Memory problems have been fixed. Mosaic will run well in 2 megabytes.
- Nested numbered lists are now always numbered correctly.
- Text files are single-spaced.
- All the files (even the last one) are listed in the FTP directories.
Please send any questions, comments, bugs or suggestions to mosaic-mac@ncsa.uiuc.edu

NCSA Mosaic for the Mac Development Team.
Aleks Totic, Tom Redman, Kim Stephenson & Mike McCool
University of Illinois
National Center for Supercomputing Applications
152 CAB
605 E. Springfield
Champaign, IL 61820
Received: from VMD.CSO.UTIUC.EDU by SLACVM.SLAC.STANFORD.EDU (Mailer R2.08 R208004) with BSMTP id 9719; Mon, 29 Nov 93 15:28:32 PST
Received: from UIUCVMD (NJE origin SMTP@UIUCVMD) by VMD.CSO.UTIUC.EDU (LMail V1.1d/1.7f) with BSMTP id 5675; Mon, 29 Nov 1993 17:27:33 -0600
Received: from milton.cs.uiuc.edu by vmd.cso.uiuc.edu (IBM VM SMTP V2R2) with TCP; Mon, 29 Nov 93 17:27:32 CST
Received: by milton.cs.uiuc.edu id AA18960
   (5.65c/IDA-1.4.4 for BEBO@SLACVM.bitnet); Mon, 29 Nov 1993 17:25:43 -0600
From: Aleksandar Totic <totic@milton.cs.uiuc.edu>
Message-Id: <199311292325.AA18960@milton.cs.uiuc.edu>
Subject: Re: HTTP 0.9 and Mosaic for the Mac
To: kims@ncsa.uiuc.edu (Kim Stephenson)
Date: Mon, 29 Nov 93 17:25:43 CST
Cc: BEBO@slacvm.bitnet
In-Reply-To: <9311292318.AA06227@void.ncsa.uiuc.edu>; from "Kim Stephenson" at Nov 29, 93 5:18 pm
X-Mailer: ELM [version 2.3 PL11]

> >kim,
> >
> >in your README file for version 1.0.1, you discuss the new HTTP 0.9/1.0
> >option an use one of our servers as an example. This is a problem which
> >we have noticed before.
> >
> >unfortunately, that server is running on a VM/CMS machine and is unlikely
> >to be upgraded. (SPIRES is the only reason for that server).
> >
> >we have had no problems (recently) with Mosaic 2.0 and that server. It
> >appears that Mosaic 2.0 will try HTTP 1.0 and if there isn't a satisfactory
> >response, it will automatically backoff to 0.9. (Maybe this is a
> >simplistic interpretation). Is it possible that Mosaic for the Mac could
> >be made smart enough to do this?

It is not always possible for MacMosaic to detect a HTTP0.9 failure in
every case, and apparently it fails every time for the SPIRES server.
The reason is that underlying MacTCP architecture on the Macintosh
simply does not detect all the error codes. As a fix, we have put in
HTTP0.9 option. Sorry, but that is all we can do for now. MacTCP 3.0
might solve this problem.

Aleks
A report on Web-related activities at the Hypertext '93 conference in Seattle is online in HTML format. Those with Web browsers can point to:

http://www.hcc.hawaii.edu/hypertext/ht93.report.html

Notes on the Web birds-of-a-feather meeting are there, as well as general comments on Web-related demos, etc. Enjoy!

-- Kevin
Received: from SLACVM by SLACVM.SLAC.STANFORD.EDU (Mailer R2.08 R208004) with BSMTM id 1177; Tue, 30 Nov 93 10:13:33 PST
Received: from hebe.SLAC.Stanford.EDU by SLACVM.SLAC.STANFORD.EDU (IBM VM SMTP V2R1) with TCP; Tue, 30 Nov 93 10:13:33 PST
Received: by hebe.SLAC.Stanford.EDU (AIX 3.2/UCB 5.64/SLAC 920508) id AA74475; Tue, 30 Nov 1993 10:13:49 -0800
Date: Tue, 30 Nov 1993 10:13:49 -0800
From: bebo@unixhub.SLAC.Stanford.EDU
Message-Id: <9311301813.AA74475@hebe.SLAC.Stanford.EDU>
Subject: Re: On Mac TCP Status
To: bebo@slacvm.SLAC.Stanford.EDU

>> From: Len Moss <ljm@slac.stanford.edu>
>> Subject: Re: On Mac TCP Status
>> To: Romain Agostini <ago@slac.stanford.edu>
>> Cc: Joan Winters <winters@slac.stanford.edu>,
>>      H V White <bebo@slac.stanford.edu>
>> X-Envelope-To: BEBO@UNIXHUB.SLAC.STANFORD.EDU
>> Content-Transfer-Encoding: 7BIT
>>
>> In-Reply-To: WINTERS@SLACVM.SLAC.Stanford.EDU -- 11/24/93 22:06
>>
>> I have just uploaded to Drop Box on Public Disk 1 a free updater to
take either MacTCP 2.0 or MacTCP 2.0.2 to MacTCP 2.0.4.
>>
Received: from SLACVM by SLACVM.SLAC.STANFORD.EDU (Mailer R2.08 R208004) with
    SMTP id 1243; Mon, 29 Nov 93 08:58:26 PST
Received: from hebe.SLAC.Stanford.EDU by SLACVM.SLAC.STANFORD.EDU
    (IBM VM SMTP V2R1) with TCP; Mon, 29 Nov 93 08:58:25 PST
Received: by hebe.SLAC.Stanford.EDU (AIX 3.2/UCB 5.64/SLAC 920508)
    id AA57167; Mon, 29 Nov 1993 08:58:41 -0800
Date: Mon, 29 Nov 1993 08:58:41 -0800
From: bebo@unixhub.SLAC.Stanford.EDU
Message-Id: <9311291658.AA57167@hebe.SLAC.Stanford.EDU>
Subject: trip report
To: bebo@slacvm.SLAC.Stanford.EDU

>> From: cailliaux@www1.cern.ch (Robert Cailliaux)
>> Subject: trip report
>> To: bebo@slac.stanford.edu
>> X-Envelope-To: BEBO@UNIXHUB.SLAC.STANFORD.EDU
>> Content-Transfer-Encoding: 7BIT
>> X-Sender: cailliaux@www1.cern.ch (Unverified)
>>
>> Bebo,
>>
>> Some work: will you read this and comment, at least on the parts where you
>> were present. I have left out some parts, marked with:
>>
>> (left out: xxx)
>>
>> where xxx describes what was left out. Thanks so much.
>>
>> Trip Report
>> US Laboratories & Hypertext'93
>>
>> This is a description of my trip visiting several US HEP laboratories,
>> NCSA, Adobe Inc., Stanford University and attending the Hypertext'93
>> conference in Seattle. All visits and the conference were directly related
>> to my work with the World-Wide Web (W3). For definitions of acronyms and
>> terms, see the separate glossary.
>>
>> Purpose
>> ========
>> Five purposes were served by this trip:
>>
>> - for best support of W3 inside CERN and HEP, it is necessary to
>>   accumulate the views of some of our largest users in personal contact at
>>   their W3 server sites.
>> - the explosion of the application of the Mosaic clients from NCSA
>>   prompted direct contact there.
>> - the Hypertext'93 conference held in Seattle would show the penetration
>>   of W3 technology in the field.
>> - the LHC experiments consider Adobe's new PDF format important for
>>   information distribution. A W3 working group on the subject had proposed a
>>   meeting with Adobe management to discuss the inclusion of W3 technology
>>   into PDF documents.
>> - some sites asked for presentations on W3.
>>
>> In total, I visited 11 groups of people and gave three formal presentations.
>>
>> Organisation
In the week before the Hypertext '93 conference, I travelled through the US visiting the major W3 HEP sites, NCSA and Adobe Inc. The total schedule was as follows:

(left out: my schedule as a table)

NCSA - National Center for Supercomputing Applications

The Software Development Group (SDG) of NCSA is the originator of the Mosaic products, which provide clients for W3 on X, Macintosh and PC/Windows. They are housed in very pleasant surroundings in the middle of the campus of the University of Illinois at Urbana/Champaign.

I have a set of info about NCSA, including a CD with a multi-media presentation.

Anecdote: when I arrived at the secretariat, a person in front of me was asking for job opportunities to work on the Mosaic Project.

I was scheduled to get demos of some of the non-W3 work done at the SDG. As I arrived late, only one demo took place, on recognition of data spaces, which could have some relevance for HEP track recognition.

I met with Joseph Hardin, head of SDG and also Associate Director of NCSA. Hardin stated he would like a "strong European Component". He thinks having Tim at CERN with no support is possibly of negative value. He had just hired a person for the specific purpose of creating strategy and plan.

There was an informal meeting with the Mosaic developers. This was a brainstorming session which got sidetracked into discussing access authorisation and the CERN server software. The NCSA server software and their library were now thought to be so good that CERN should just adopt them and abandon its own development. The question of editors did not come up.

NCSA are so far ahead that they no longer care what CERN does.

Jason Ng said that commercial companies do not like software to be free if they make products on top of NCSA's Mosaic. Although he thought that NCSA would try to keep the academic community supported for some time, he thinks the point may come soon when NCSA versions are to be paid for.

The NCSA Mosaic Technical Manual does not mention CERN or W3 in the text, but does refer to the common library in a small footnote on page 2.

They clearly have much more in resources than we do: NCSA is funded half by the state of Illinois and the University, and half by the NSF. They also get grants from industrial partners on top of that.

Hardin has 10 people full-time on W3 development (he did not elaborate on how many devote part of their time, but I know that testing, documentation etc. is done by others, 6 people being involved with the Macintosh version compared to never more than one in Europe). There are 200 people in NCSA, the budget is 26 M$ (1 $ ≈ 1.5 CHF) of which 25% goes to salaries. Thus per year there is an average of 50KCHF per person, and 150KCHF for equipment. With those figures, ECP would have a materials budget of 58 MCHF and PT group would get 4MCHF! Of course, each person has his private office and the most advanced workstation he wants. I saw mainly Silicon Graphics and high-end Sun workstations.

FNAL

Ruth Pordes' people in the Online Support group successfully support the Web for FNAL.
I met first with Judy Nicholls and Trang Nguyen. Judy thinks one of the problems is free access: she needs the access authorisation, but also wants internal control of what goes into W3, since she thinks that what is on the Web gives an impression of what FNAL does and so should be an official presentation.

There was an informal meeting, not announced, at which some 20 people showed up, two of whom were from the University of Chicago (see note later). The list is:

(left out: table of people and e-mail addresses)

We went round the table, most requests I had heard before (a compiled list of request is at the end of this report). Most think that CERN has about a dozen people on this project and therefore they believe they can expect support, a strategy, a plan, help, etc.

I announced that my reason for being there was to listen to the experiences and to use any requests to argue for more resources at CERN (I made this same statement at LANL and SLAC).

The astrophysicists have gone for W3 totally, and they are of the school that you write the documents directly in HTML. There is another school that believes the best way is to use existing word processors and then convert.

We had lunch with the U. Chicago people and Ruth. Then Jon Streets and I tried to install the versions of the CERN server with access authorisation.

FNAL were very impressed with the fine grain control over access, another plus for Ari's work!

FNAL has six WWW servers up. There is, as at CERN, a lack of a mechanism to approve and control the authenticity of the documentation published there.

This problem does not exist to the same extent inside experimental groups. For document preparation, they are committed to Frame Maker (which may not be so good in the longer term).

I was satisfied with a good meeting. Ruth is very bent on giving the W3 activities a higher profile: Tom Nash was off site, but I was asked to explain the state to Vicky White, which I did.

Notes

U. of Chicago people: they want to build their own editor and application system by building on tkWWW. They are from the biological sciences, and already far advanced in this project. They put far more into presentation of their activities than we do; I have brochures available for inspection. According to them, students would buy a W3 browser/editor if it were commercially sold. The University would want a site-license.

LANL

This is a BIG place: 8000 permanent staff, 2000 visitors. There are 20-odd divisions, varying in size from a few hundred to 1200 people. 40 is considered a small group. There are many activities, physics and weapons research being only a small part now. Again they have much more in computing resources than we have: upper-class Suns, Macs, HPs etc. everywhere, a centre for supercomputing (CM5, ...), all Macs and printers on Ethernet etc.

The meeting was organised by Susan Coghlan (Center for Non-Linear Studies). There were 18 people, almost all of the 10 LANL WWW servers were represented.

(left out: table of people and e-mail addresses)
Much the same questions came up as at Fermilab. People have not realised what editors will bring them.

LANL W3 Servers
My visit prompted a first contact between the LANL server people, and a list of the LANL servers was compiled during the meeting for the first time:

(Left out: table of servers and e-mail addresses)

Joe Carlson runs the WWW interface of Paul Ginsparg's preprint service. He is interested in the new server from CERN, but needs to make his own additions for the specific purposes of the Bulletin Board (confusion: the Bulletin board, the preprint data base and the WWW server are all intimately intertwined!).
Paul Ginsparg himself was unfortunately on leave from LANL.

Adobe Inc.

Daniel Miles Kehoe had organised the preliminary contacts with Adobe. He did not attend (his wife had a baby the day before). Fortunately, Bebo White from SLAC was present and of great help. Kunze had seven people at the meeting:

John H. Kunze Director of Product Marketing
Deborah Triant Vice President Marketing
Fred Mitchell Director of Strategic Planning and Development
Pam Deziel Product Marketing Manager
Bob Wulff Director of Acrobat Engineering
Rob Babcock Senior Product Marketing Manager
John Dawes Product Manager

The purpose of the meeting was to explore the possibilities of having W3 style links inside PDF documents, so that PDF files would no longer be dead-end documents.
I briefly presented CERN's role, then was interrupted for technical questions, after which a lot of questions on the functioning of the Web were asked, all of which were answered to satisfaction. Kunze let his people freely explore the issues. He summed up the purposes of the meeting as: (a) the W3 community would like to use PDF as one of the W3 formats and this can be done now, (b) if PDF documents are not to be just dead-end documents, then some way has to be found to put URL style links into PDF.
The meeting ended with the agreement that we would keep in touch through Pam Deziel as link-person. SLAC would again arrange a demo for the benefit of those who had not been at the first meeting (where only Kunze and one other person were present).

SLAC

There were eight people at the SLAC user meeting: Louise Addis, Joan Winters, Tom Glanzman (B-Factory), Patrick Clancey, Ilse Vinson, Tony Johnson, Bebo White, David Martin. There was agreement that NCSA has taken over.
I listened to a lot of comments along the same lines as at FNAL and LANL. Tom Glanzman was a new information provider of W3, his questions were answered by the audience and myself and also noted. Tony Johnson was
especially helpful here. I explained also the new functions of the new CERN server.

I got a demo of the latest version of Midas from Tony Johnson. This X client for W3 is at least as nice as the one from NCSA, can display PostScript in the same window and shows the path taken much better. It is however not yet up to date with the new versions of HTML and HTTP. Maybe HEP users should standardise on it.

Stanford University

I was invited to give a talk on Stanford University Campus, as one of the lectures in professor T. Wingrad's course "Human-Computer Interaction"-CS547. This course is also broadcast via TV to Silicon Valley computer firms. I talked for about 30 minutes, including a demo given on-line. The auditorium was packed (+200 people). Then there was about an hour of questions, quite a few coming over the audio channel from the remote TV students.

Sun Microsystems

Another invited talk; here too, a live demo had been set up, and the auditorium was too small (+50 people). There was much interest and many questions in the cafeteria afterwards. Sun have already a W3 server up for announcements of products and technical matters.

Hypertext'93

This was the usual Hypertext conference with quite a few of the usual people in it. The highlight of the conference this year definitely was W3: every single talk I went to, every single panel, every group of people mentioned or discussed W3.

Microcosm

Dr. Wendy Hall (Southhampton, MicroCosm project) made these comments: (1) MicroCosm can call W3 from Windows applications and is thus complementary to W3! (2) W3 should go commercial like MicroCosm (the people driving the technology are not the ones taking out the bugs!) and she will support an effort to secure resources for a large EC project for W3. They are putting their technical reports into the Web.

Hyperbase Working group

The day before the official conference, there was a follow-up meeting of the "Hyperbase" working group with 20 people split over 4 groups: two to report to the '94 CSCW (July), two reporting to ECHT'94, Edinburgh. Subjects were: CSCW, Data modelling, versioning and Digital Libraries. The latter group took W3 as the state-of-the-art reference model for a starting point. The group requests we work with them to prepare the presentation at ECHT.

Tutorials

I took a tutorial on "Designing Electronic Publications" and one on "Visual language" (the speaker of which had contacted me before about CERN's plans for the Web).
There was a full day on commercial systems. Here too, W3 was mentioned everywhere. The presenter of the "Plexus" system was flatly asked why his system was different from W3. A question was raised about when "SuperBook" would support W3's HTML.

Papers

Most hypertext papers were about stand-alone systems or about theoretical aspects, not very relevant to W3. The conference proper started on Monday evening with Ted Nelson's opening reception and speech. Nelson invented the term "Hypertext" in the late sixties. He reviewed the state of his Xanadu project. Xanadu is in fact very close to W3 (except for a parallel texts technology that is proprietary and cannot be disclosed). He presented a history of his visions and how they contrast with current practice. There was quite some contestation over the means and ways he proposed to get to a working Xanadu, most of which I shared. He too was asked why he did not join the W3 effort. Nelson said W3 was invented by Tim Berners-Lee and that it was very good work. I met Nelson later in the conference privately, and we discussed briefly the possibilities of having access to the "Enfilade" and the "x" technologies which are now locked into commercial agreements and are not being exploited. He is however not the holder of the agreements, and therefore we would have to contact others first, but he thought W3 but be a good home for them. We should probably pursue this avenue (at the cost of having to write a non-disclosure agreement).

Demonstrations

The demonstration hall had four equal rows of stands. One entire row was devoted to W3. There were no other Internet systems shown.

Birds-Of-a-Feather session

There were about 12 BOFs (where people with similar ideas and interests meet to discuss). Of these, the average number of participants was less than ten, the one on W3 had 40 people attend and was chaired by Kevin Hughes of Honolulu Community College. This very bright W3 person was already hired away for consultancy by a commercial firm. The BOF split immediately into four groups of different concerns, I went to the one on "Real Issues facing the Web" to discuss issues of charging, access, commercial software.

Closing

The closing Summary talk by Aksycyn proposed Hypertext'93 people get all together on the Web and publish work there.

Conclusions

Mosaic is fast becoming synonymous with the World-Wide Web, although it is only a client. People are beginning to confuse Mosaic and W3. NCSA has a lead because of organised manpower, funding and physical concentration in one centre. In addition, NCSA just soak up what we put in the public domain: they have put the access authorisation code into their library almost immediately after we released it. We do not have enough resources here to do the inverse.
>> The US NII is already exploiting W3 for its purposes.
>> Most people everywhere are still looking to CERN for strategy and
>> technological drive of W3, but the switch to NCSA is imminent.
>> Both Tim’s ideas on having a strong W3 technology center and mine about
>> having commercial applications were supported, or similar ideas were
>> volunteered to me.
>> A physical Centre funded by the EC and industry is the only way to success.
>> It needs to produce its own working software, or we lose all credibility.
>> W3 at CERN needs its own budget line and strong management support to
>> develop the strategy of going European.

>> List of Development Requests
>> -----------------------------------
>> This is a list of requests as they were fielded during the meetings. I may
>> have missed some out. Time was far too short: I could easily have spent
>> three days in each place to get a serious feeling of what people do and
>> what they want.
>> Abort  the possibility to abort lengthy transfers is wanted.
>> Authors how to find out who is doing what on the Web?
>> CERN Access  CERNLIB info sometimes down and always slow.
>> Conference A W3 conference is wanted.
>> Copyright  how to deal with copyright of W3 material.
>> Documents 1 a page on converters is wanted.
>> Introduction a W3 overview book of about 60 pages is wanted.
>> Length of Documents  the technology should not limit the length of a
>> document. For long documents, delivery should be page-by-page. This is
>> against the stateless philosophy, but can be handled.
>> Mathematics support for mathematical formulae in HTML is needed before
>> W3 becomes really useful in the scientific community.
>> Notification of Change when a document of importance to a reader changes,
>> he wants to be notified of this. Not too easy to implement.
>> PDF    links to PDF documents are wanted.
>> PostScript HTML to PostScript translator wanted.
>> Presentation 1 the author should decide on the presentation.
>> Presentation 2 the reader should decide on the presentation.
>> Printing  It should be possible to print a set of related W3
>> documents. The CERN script for this is used, but it does not work too well
>> and needs to be improved and supported.
>> Refereeing  how to make sure papers are properly refereed?
>> Registration of links when a document links to a document on another
>> server, it should be possible to register this fact at the other server, so
>> as to be warned when the document moves. Should be solved partially with
>> HTTP 1.0
>> Searching 1 how to search in a collection? The new CERN server answers
>> this.
>> Searching 2 how to retrieve pictorial info? There is a competitor
>> project to W3, called Envision, which claims to "do it right".
>> Searching 3 global searches over the whole W3 world are wanted. This is
>> probably futile.
>> Servers etiquette guidelines and enforcement on unavailable servers, moved
>> documents, mirroring of information and cashing is wanted.
>> Support 1  who will support the VMS versions? Aleph?
in the "\pub\trumpwsk" directory.

Cello
Where: ftp.law.cornell.edu:/pub/LII/Cello
Requirements:
  MS Windows 3.1
  Winsock.DLL
Additional Info:
  has bookmark facility
  all files are in .z format at ftp site
Cello is a multipurpose Internet browser which permits you
to access information from many sources in many formats.
Technically, it's a WorldWideWeb client application. This
means that you can use Cello to access data from
WorldWideWeb, Gopher, FTP, and CSo/ph/qi servers, as well as
X.500 directory servers, WAIS servers, HYTELNET, TechInfo,
and others through external gateways. You can also use
Cello and the WWW-HTML hypertext markup standard to build
local hypertext systems on LANS, on single machines, and so
on. Cello also permits the postprocessing of any file for
which you've set up an association in the Windows File
Manager -- for example, if you download an uncompressed
Microsoft Word file from an FTP site, and the appropriate
association exists in File Manager, Cello will run MS-Word
on it for you. This same capability is used to view
graphics and listen to sound files you get from the Net.

X/Motif
NCSA Mosaic for X
Where: ftp.ncsa.uiuc.edu:/Mosaic/
(Source is in /Mosaic/Mosaic-source, binaries for some
platforms are in /Mosaic/Mosaic-binaries, other useful stuff
hangs around in nearby directories.)
Requirements:
Additional Info:
tkWWW
Where: info.cern.ch:/
Requirements:
Additional Info:
DOS:
  ???
VT100:
CERN linemode client
Where: info.cern.ch:/pub/www/
(Read the file /pub/www/README.txt to get an idea of what
files
you need and where they are. This document is part of the
WWW
documentation, and is readable on the Web.)
Requirements:
Additional Info:
Lynx
Where: ftp2.cc.
CERN httpd
Where: info.cern.ch:/pub/www/bin/ (different directories for different platforms)
Requirements:
Additional Info:
NCSA httpd
Where: ftp.ncsa.uiuc.edu:/Mosaic/ncsa_httpd
Requirements:
Additional Info:
MacHTTP
Where: oac.hsc.uth.tmc.edu:/public/mac/MacHTTP
Requirements:
Additional Info:
Gn
Where: ftp.acns.nwu.edu:/pub/gn/gn-1.1.tar.z
casbah.acns.nwu.edu:/pub/gn
Requirements:
Additional Info:
A free multi-protocol server for gopher and http
It supports WAIS, HTTP, and others.
also available via gopher at hopf.math.nwu.edu port 70,
file gn-1.1.tar.Z.
Plexus
Where: austin.bsd.com:/pub
Requirements:
Additional Info:
Serweb
Where:
sunsite.unc.edu:/pub/micro/pc-stuff/ms-windows/winsock/apps/
File: serweb03.zip
Requirements:
Windows 3.1
Winsock
Additional Info:
A Visual C++ WWW Server that allows for the placing of hypertext
information on the Internet or on any TCP/IP network.
Additional Software:
WebThread:
What: A hypertext threaded newsreader
Platform:
Where:
Version: 1.1
Requirements:
Additional Info:
ISMAP:
Platform:
Where:
Requirements:
Additional Info:
You have to run your own server. You can use Plexus, CERN's httpd, or NCSA's httpd.

If you choose NCSA's httpd, the documentation is at URL http://hoohoo.ncsa.uiuc.edu/ From there, you can get the software and there are instructions about how to set it up and use it.
The imagemap setup instructions are at URL

RTFTOHTML:
What: RTF to HTML filter (for Word, etc. documents saved as RTF)
Where: ftp.cray.com:src/cjh/RTF
Platform:
Requirements:
Additional Info:
First you need to save your document into Microsoft's Rich Text
Format (RTF), then run it through rtftohtml.

For more info on RTF and other RTF filters (upon which
rtftohtml
is based) go to ftp.primate.wisc.edu in pub/RTF. Kudos go to
Paul DuBois (dubois@primate.wisc.edu) for the RTF info and
filters.

FM2HTML:
What: Frame to HTML filter
Platform:
Where: bang.nta.no:/pub/fm2html.tar.z
Requirements:
Additional Info:
- Handles frame files and books.
- Is customizable, through a tags file mapping frame tags to
  logical tags used by the filter.
- All frame X-refs become html links.
- An index is automatically generated based on chapter
  headings in the frame documents.
- The file structure of the frame document is kept in the
  html document. Single frame files become single
  html files. Frame books become multiple html files,
  one html file for each frame file. FrameMaker generated
  files are removed.
- Graphics and maths are separated to files, which are then
  translated to postscript and ultimately gif.
- Tables are handled through the <pre> html tag.
- Italics and bold parts of paragraphs are handled.

Gopher:
Clients:
Macintosh:
  TurboGopher
    Where: boombox.micro.umn.edu:/pub/gopher/Macintosh-TurboGopher
    Requirements:
    Additional Info:
MacPanda
    Where:
    Requirements:
      System ?
      MacTCP v?
    Additional Info:
    Both WinPanda and MacPanda are available in a "modem"
    version, which allows for users to have a GUI over a modem
    connection *without* using SLIP.

Panda is a client that accesses many Internet resources,
including FTP, Gopher+, NNTP (UseNet), SMTP (Mail) and others. I was reading your posting in comp.infosystems.gopher using Panda and mailing you this response all from within the Panda environment.

GopherApp
Where:
gopher:

ftp.bio.indiana.edu:70/4/0/IUBio-Software+Data/gopherapp/gopherapp
ftp:
    ftp.bio.indiana.edu:21/util/gopher/gopherapp/gopherapp.hqx
Requirements:
    System 6.0.5 or higher
    MacTCP 1.1.1 or higher
Additional Info:
    version 1.3, gopher- client, essentially bug-free
    MacApp 2 Pascal source available
GopherApp++
Where:
gopher:

ftp.bio.indiana.edu:70/4/0/IUBio-Software+Data/gopherapp/gopherapp*
ftp:

ftp.bio.indiana.edu:21/util/gopher/gopherapp/gopherapp++.hqx
Requirements:
    System 6.0.5 or higher
    MacTCP 1.1.1 or higher
Additional Info:
    version 2.1, gopher+ client, under development as of Nov 93
Windows:
Hampson's Gopher (HGopher)
Where: lister.cc.ic.ac.uk:/pub/wingopher/hgopher2.3.zip
Requirements:
    Windows 3.1
    Winsock
Additional Info:
BCGopher
Where: bcinfo.bc.edu (see additional info)
Requirements:
    Windows 3.1
    Winsock 1.1
    TCP/IP that is compliant with Windows Socket Library
Additional Info:
a free Microsoft Windows 3.1 Gopher client compatible with
the Winsock standard 1.1. It has many features such as user
specified pager, telnet, sounds, and viewers. Also WAIS
index searches, CSO phone book support, bookmarks, return to
previous menu or site, and others.

To get it, ftp to bcinfo.bc.edu.
username: anonymous
password: guest
directory: pub/_bgopher
get files bgopher.exe, bgopher.hlp, readme.txt, and
commdlg.dll
WinPanda
Where:
Requirements:
  Windows 3.1
  WinSock
Additional Info:
  See MacPanda

WSgopher
Requirements:
  MS Windows 3.1
  Windows Sockets (aka WinSock) 1.1
  Sufficient memory and disk space for productive browsing
Where:
  sunsite.unc.edu:/pub/micro/micro النفس/MS-windows/winsock/apps/
  boomerbox.micro.umn.edu:/pub/gopher/incoming/
File: wsg-09g.exe (a self-extracting archive)
Current Version: 09g as of 11/26/93
Additional Info:
  The first (as far as I know) fully asynchronous WinSock
  Gopher client. It also uses MDI.

X/Motif:
  XPanda
  Where:
  Requirements:
  Additional Info:
    See MacPanda

DOS:
  DOSgofer Client
  Where: UMN
  Requirements:
  Additional Info:

UGopher
  Where: oac.hsc.uth.tmc.edu:/public/dos/misc/dosgofer.exe
  Requirements:
    PC/TCP 2.2
  Additional Info:

VT100:
  Panda
  Where:
  Requirements:
    Unix environment
  Additional Info:
    See MacPanda

VMS:
  VMS Gopher Client
  Where: boombox.micro.umn.edu:/pub/gopher/VMS
  Requirements:
  Additional Info:
  VMS Gopher Client
  Where: niord.shsu.edu
  Requirements:
  Additional Info:
    current version: 2.010

Servers:
  Macintosh:
    Gopher Surfer
    Where: boombox.micro.umn.edu:/pub/gopher/Mac_server
ARTICLE NETNEWS A1 Dated 11/29/93 11:29:09 From disk BEBl91 Page 7

Requirements:
Additional Info:

Windows:
KA9Q Gopher Server
Where: biochemistry.bioc.cwru.edu

Unix:
Gn
See entry under WWW servers.
Unix Gopher Server
Where: boombox.micro.umn.edu:/pub/gopher/Unix/gopher+2.0.tar.Z
Requirements:
Additional Info:

VMS:
VMS Gopher
Where: boombox.micro.umn.edu:pub/gopher/VMS
VMS Gopher Server
Where: niord.shsu.edu
Requirements:
Additional Info:
current version: 1.2VMS-0

DOS:
DOS Gopher Server
Where: boombox.micro.umn.edu:/pub/gopher/PC_server

Other Software:
Trumpet
What: Usenet news reader and POP mail client
Platform:
Where:
gopher: biochemistry.cwru.edu port 70
ftp: ftp.utas.edu.au:/pc/trumpet/wintrump
ftp: biochemistry.bioc.cwru.edu (closed to public 9-5 weekdays)
File: wtwsk10a.zip
Requirements:
An account on a POP mail server
Additional Info:
CSO PhoneBook servers (qi servers)
Where: uxc.cso.uiuc.edu:/pub/qi.tar.Z
- A VMS/Multinet qi server at ftp.cerritos.edu in [.VMSNET]QI13.ZIP
CSO PhoneBook clients (ph)
Where: uxc.cso.uiuc.edu:/pub/ph.tzr.Z

Jennifer R. Amon
Houck Computing Center
Oberlin College
Oberlin, OH 44074
PHONE: (216) 775-6987
FAX: (216) 775-8573
INTERNET: bamon@ocvaxc.cc.oberlin.edu
I have several HTML and NCSA Mosaic 2.0 questions and problems. Apologies if the terms I use are inaccurate, I'm fairly new to this whole thing...

1. When using NCSA Mosaic 2.0, is it possible to re-highlight un-highlighted hypertext?

   For example: I click on a piece of hypertext which is supposed to retrieves an external image, but the image file is not available. Mosaic un-highlights that hypertext, but I'd like to re-highlight it again so I remember to come back to it (when the image is available).

2. Is it possible to use JPEG files for inline images?

   For whatever reason, I've been unsuccessful using JPEG's for inline images, although I've had no problems with GIF files. (The image viewer is I use is xv-3.00.)

   I've tried: <IMG SRC="file.jpg"> <IMG SRC="file.JPG">
   <IMG SRC="file.jpeg"> and <IMG SRC="file.JPEG"> all to no avail.

3. I would like to have a button (form) within a document that, when pressed, sends me email. Note that I don't have an HTTP server, my HTML files are all accessed as localfiles via AFS.

   I'm guessing my HTML would need something like this...

   <FORM METHOD="POST" ACTION="what_might_go_here?">
   Click here to:
   <INPUT TYPE="submit" VALUE="Send Mail">
   </FORM>

   I'd even settle for hypertext which did the same thing:

   Click here to: <A HREF="what_might_go_here?"> Send Mail </A>

   Not only do I not have an HTTP server, but I'd also like to avoid invoking a script. Any ideas how I could do this, if it is even possible?

4. I'd like to write a page which includes a form which allows people
to choose an image to view (externally) from a list.

I'm guessing my HTML would need something like this...

```html
<FORM METHOD="POST" ACTION="what_might_go_here?">
  Which file would you like to view? <P>
  <SELECT NAME="image-file" SIZE=5>
    <OPTION> corvette.gif
    <OPTION> ferrari.gif
    <OPTION> porsche.jpg
    <OPTION> viper.gif
    <OPTION> stealth.pbm
    <OPTION> lambo.gif
    <OPTION> nsx.tif
  </SELECT>
  <INPUT TYPE="submit" VALUE="View It">
</FORM>
```

Again, I don't have an HTTP server and I'd like to avoid invoking a script. Is it possible to what I'd like to do?

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Thanks in advance!

~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Jonathan H. Fine  xmosaic ~jfine/home
jfine@engin.umich.edu  http://sorry.none.yet/jfine/home

For more information: /afs/engin.umich.edu/u/j/f/jfine/Public/README
Newsgroups: comp.infosystems.www

From: robm@ncsa.uiuc.edu (Rob McCool)
Subject: Re: HTML and NCSA Mosaic 2.0 Questions/Problems
Date: 3 Dec 1993 10:27:06 GMT

Jonathan H. Fine (jfine@engin.umich.edu) wrote:
: I have several HTML and NCSA Mosaic 2.0 questions and problems.
: Apologies if the the terms I use are inaccurate, I'm fairly new to
: this whole thing...

: ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

: 1. When using NCSA Mosaic 2.0, is it possible to re-highlight
: un-highlighted hypertext?
: For example: I click on a piece of hypertext which is supposed to
: retrieves an external image, but the image file is not available.
: Mosaic un-highlights that hypertext, but I'd like to re-highlight
: it again so I remember to come back to it (when the image is
: available).

As far as I know, the only option available is to clear your global history.
This would clear all of the links you've visited. Other than editing your
global history file by hand, I don't know of a way to un-visit one link.
Someone jump on me if I'm wrong.

: ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

: 2. Is it possible to use JPEG files for inline images?

Not currently.

: For whatever reason, I've been unsuccessful using JPEG's for
: inline images, although I've had no problems with GIF files.
: (The image viewer I use is xv-3.00.)
: I've tried:  <IMG SRC="file.jpg"> <IMG SRC="file.JPG"
: <IMG SRC="file.jpeg" and <IMG SRC="file.JPEG"> all to no avail.

: ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

: 3. I would like to have a button (form) within a document that, when
: pressed, sends me email. Note that I don't have an HTTP server,
: my HTML files are all accessed as localfiles via AFS.
: I'm guessing my HTML would need something like this...

        <FORM METHOD="POST" ACTION="what_might_go_here?">
        Click here to:
        <INPUT TYPE="submit" VALUE="Send Mail">
        </FORM>

: I'd even settle for hypertext which did the same thing:

        Click here to: <A HREF="what_might_go_here?"> Send Mail </A>
Not only do I not have an HTTP server, but I'd also like to avoid invoking a script. Any ideas how I could do this, if it is even possible?

Send you mail about what? You can mail a document to yourself (or someone) but you can't compose messages without a form, and even with a form you'd need a server on the back end of that form.

4. I'd like to write a page which includes a form which allows people to choose an image to view (externally) from a list.

I'm guessing my HTML would need something like this...

```
<FORM METHOD="POST" ACTION="what_might_go_here?">
    Which file would you like to view? <P>
    <SELECT NAME="image-file" SIZE=5>
    <OPTION> corvette.gif
    <OPTION> ferrari.gif
    <OPTION> porsche.jpg
    <OPTION> viper.gif
    <OPTION> stealth.pbm
    <OPTION> lambo.gif
    <OPTION> nsx.tif
    </SELECT> <P>
    <INPUT TYPE="submit" VALUE="View It"/>
</FORM>
```

Again, I don't have an HTTP server and I'd like to avoid invoking a script. Is it possible to what I'd like to do?

Why are you using a form for this? Just use a UL of hyperlinks. If you're really attached to the idea of using a form for it, you'll need a server back end anyway, and handling selection of multiple images could get ugly.

--

Rob McCool, robm@ncsa.uiuc.edu
Software Development Group, National Center for Supercomputing Applications
It was working ten minutes ago, I swear...
Newsgroups: comp.infosystems.www

From: pjoslin@mbvlab.wpafb.af.mil (Paul Joslin (Sverdrup))
Subject: Re: HTML and NCSA Mosaic 2.0 Questions/Problems
Date: 3 Dec 1993 13:45:35 GMT

In article <2dmcpnINNdg@srvrl.engin.umich.edu>, Jonathan H. Fine (jfine@engin.u

: I have several HTML and NCSA Mosaic 2.0 questions and problems.
: Apologies if the the terms I use are inaccurate, I'm fairly new to
: this whole thing...

: 4. I'd like to write a page which includes a form which allows people
: to choose an image to view (externally) from a list.

: I'm guessing my HTML would need something like this...

: <FORM METHOD="POST" ACTION="what_might_go_here?">
: Which file would you like to view?<P>
: <SELECT NAME="image-file" SIZE=5>
: <OPTION> corvette.gif
: <OPTION> ferrari.gif
: <OPTION> porsche.jpg
: <OPTION> viper.gif
: <OPTION> stealth.bmp
: <OPTION> lambo.gif
: <OPTION> nsx.tif
: </SELECT>
P>
: <INPUT TYPE="submit" VALUE="View It">
: </FORM>

: Again, I don't have an HTTP server and I'd like to avoid invoking
: a script. Is it possible to what I'd like to do?

A) Why use a form, especially if you don't have a server and want to
avoid scripts? Wouldn't a menu or glossary do better? I.E.

<DL>
   <DT> <A HREF="FILE">corvette.gif</A>
   <DD> See the corvette.
   <DT> <A HREF="FILE">ferrari.gif</A>
   <DD> See the ferrari.
   <DT> <A HREF="FILE">porsche.jpg</A>
   <DD> See the porsche.
   <DT> <A HREF="FILE">viper.gif</A>
   <DD> See the viper.
   <DT> <A HREF="FILE">stealth.bmp</A>
   <DD> See the stealth.
   <DT> <A HREF="FILE">lambo.gif</A>
   <DD> See the lambo.
   <DT> <A HREF="FILE">nsx.tif</A>
   <DD> See the nsx.
</DL>

B) You can do an awful lot with <ISINDEX> and htbin scripts. Mine
takes a regexp and looks for image filenames that match. It then
generates a menu with the search hits. For example, <A
HREF="http://cornea.mbvlab.wpafb.af.mil/htbin/lookup_image">searching</A> with the term "flanker" produces:

```
<TITLE>Image Store House</TITLE>
<H1>Image Store House</H1>
<H2>2 Items matching EM>flanker</EM></H2>
Select one of:
</MENU>
</CODE>

--

<A HREF="http://cornea.mbvlab.wpafb.af.mil/people/pjoslin.html">
Paul R. Joslin</A>
Newsgroups: comp.infosystems.www

From: pjoslin@mbvlab.wpafb.af.mil (Paul Joslin (Sverdrup))
Subject: Re: HTML and NCSA Mosaic 2.0 Questions/Problems
Date: 3 Dec 1993 13:49:44 GMT

In article <2dn49$fgc@vixen.cso.uiuc.edu>, Rob McCool (robm@ncsa.uiuc.edu) wrot:
Jonathan H. Fine (jfine@engin.umich.edu) wrote:

: : 4. I'd like to write a page which includes a form which allows people
to choose an image to view (externally) from a list.

: : I'm guessing my HTML would need something like this...

: : <FORM METHOD="POST" ACTION="what_might_go_here?">
: :   Which file would you like to view?  <P>
: :   <SELECT NAME="image-file" SIZE=5>
: :     <OPTION> corvette.gif
: :     <OPTION> ferrari.gif
: :     <OPTION> porsche.jpg
: :     <OPTION> viper.gif
: :     <OPTION> stealth.pbm
: :     <OPTION> lambo.gif
: :     <OPTION> nsx.tif
: :   </SELECT> <P>
: :   <INPUT TYPE="submit" VALUE="View It">
: : </FORM>

: : Again, I don't have an HTTP server and I'd like to avoid invoking
: : a script. Is it possible to what I'd like to do?

: Why are you using a form for this? Just use a UL of hyperlinks. If you're 
: really attached to the idea of using a form for it, you'll need a server 
: back end anyway, and handling selection of multiple images could get ugly.

Check out <A HREF="http://www.cm.cf.ac.uk/Movies/moviequery.html">Cardiff's Movie 
Database Browser with fill-out form support</A> for an excellent 
example of using forms to query a database. Obviously, you need a 
server and scripts to set this up.

--

<A HREF="http://cornea.mbvlab.wpafb.af.mil/people/pjoslin.html">
Paul R. Joslin</A>
Newsgroups: comp.infosystems.www

From: pflynn@curia.ucc.ie (Peter Flynn)
Subject: Re: using MailTo with fill-out forms
Date: Fri, 3 Dec 1993 11:54:50 GMT

In article 2li@chnews.intel.com, tlevie@sedona.intel.com (Ted Levie~) writes:

> Posting once again, as it looks like my first post never made
> it to the 'net (sorry if you've seen this before)...

> Has anyone had luck using the MailTo option (under the File
> pulldown menu) with fillout forms? I'd like users to be
> able to pull up a form, fill it out, and use MailTo to send
> it to the appropriate username. I saw, under "Things To
> Note" in the "Mosaic for X version 2.0 Fill-Out Form Support"
> document, where it said:

I just got forms mailing working. You don't use MailTo [yet? marc?] instead, the <form> tag has attributes of method="POST" and
action="http://<server-name>/htbin/<executable>" where <server-name>
is your server and <executable> is the program to run which does the
posting.

You use the skeleton in /usr/local/etc/httpd/htbin-post/src
to make your program: thanks to several people, I managed to get a C
program working based on code I downloaded from
http://www.ncsa.uiuc.edu/SDG/somethingorother [help?]

The email address has to
be hardcoded in the program, tho. I guess in future it may be possible
to put that in the "action" attribute of the <form> tag. The program
I am using (minus its personal details) is at

    http://curia.ucc.ie/info/mailprog.c

No guarantees, I'm not a C programmer :-)

//Peter
Received: from SERV02.SLAC.STANFORD.EDU by SLACVM.SLAC.STANFORD.EDU (Mailer R2.08 R208004) with BSMTTP id 8399; Fri, 03 Dec 93 12:33:31 PST
Received: from Erich.Triumf.CA (128.189.128.2) by SERV02.SLAC.STANFORD.EDU
(PMDF V4.2-12 #4747) id <01H61K9BGN3K001QTS@SERV02.SLAC.STANFORD.EDU>; Fri,
3 Dec 1993 12:33:21 PST
Received: by erich.triumf.ca (MX V3.3 VAX) id 8905; Fri,
03 Dec 1993 12:24:19 PST
Date: Fri, 03 Dec 1993 11:58:45 -0800 (PST)
From: "David Scott Cunningham, TRIUMF, 604 222-1047" <omicron@erich.triumf.ca>
Subject: RE: Qspires & WWW
To: BEBO@SLACVM.SLAC.Stanford.EDU
Cc: kost@erich.triumf.ca
Message-id: <0097675C.37EADCA0.8905@erich.triumf.ca>
X-Envelope-to: BEBO@SLACVM.SLAC.Stanford.EDU
Content-transfer-encoding: 7BIT

> John Halperin has forwarded me your mail re: difficulties you've been
> having with WWW and Qspires-
>
> Which browser(s) are you using that are experiencing problems. The server
> that Qspires is on (slacvm.slac.stanford.edu) will accept HTTP 1.0, but
> returns HTTP 0.9. This is OK if you're using Midas, Mosaic 1.2 or Mosaic 2.0,
> but we have seen problems with Mosaic for the Mac and Lynx. Mosaic for the
> Mac 1.0.1 does have an option for HTTP 0.9 which works.

I don't know which protocol we're using, since it's imbedded in an
image from cern called www.exe. I'll see if I can find out.

Dave
Newsgroups: comp.infosystems.www

From: ashwin@gatech.edu (Ashwin Ram)
Subject: MacMosaic and xmosaic incompatibilities/bugs/suggestions
Date: Tue, 7 Dec 1993 16:41:50 GMT

We are in the process of putting a bunch of Cognitive Science information on-line, including technical reports and papers. Some of these are written in Microsoft Word, some are compressed Postscript (from LaTeX and Framemaker). While trying to put this archive together, I noticed some differences between Mosaic on the Mac and on Unix machines. These could be disconcerting, especially to non-computer-literate users.

The few that were most obvious were --

1. xmosaic will uncompress and display .ps.Z (compressed postscript), but Mac Mosaic will not (it displays binary garbage on the screen).

2. Mosaic does not recognize Microsoft Word documents (even on the Mac, let alone xmosaic). No default translations were set up in Preferences. (I did try setting up a .WORD extension, but although it launched Word, Word asked to convert the file as a text file.)

3. In xmosaic, .bin files are treated as binary; rather than displaying them, xmosaic opens a file save dialog. Mac Mosaic, however, displays binary garbage on the screen.

4. xmosaic can be interrupted by clicking on the mosaic icon, but Mac Mosaic can not.

5. xmosaic has a "help" menu item, Mac Mosaic does not.

4 and 5 are user interface issues; the more alike different installations of Mosaic are, the better. However, I'd consider 1, 2, 3 a bug (or perhaps a temporary limitation -- I realize that the systems are still under development). Especially for novice users, it would be nice to have a preconfigured package that works without further hacking or customization. (For example, many of our users haven't even heard of MIME, let alone know enough to be able to set up application translations for MIME document types in the preferences dialog.)

I guess what I'm suggesting is that the helper applications should be preconfigured, and set up to include at least the major formats that are actually in use by the community of users. In the scientific world, these include Word, Word Perfect, Framemaker, Postscript, RTF, and compressed postscript, and all Mosaic applications should know what to do with these formats.

If I'm missing something (not unlikely), I'd appreciate some help.

Thanks much.
Ashwin.

P.S. A question -- is there any way to set up a link that will run an application when it's clicked on? E.g., something that will send e-mail to the named person?
Ashwin Ram <ashwin.ram@cc.gatech.edu>
Assistant Professor, College of Computing
Georgia Institute of Technology, Atlanta, Georgia 30332-0280
Received: by SLACVM (Mailer R2.08 R208004) id 1503;
       Wed, 08 Dec 93 13:38:12 PST
Date: Wed, 08 Dec 1993  13:35 - 0800 (PST)
From: "H. Galic" <GALIC@SLACVM>
To: BEBO@SLACVM, ADDIS@SLACVM
Subject: Re: problems with SLAC's databases on KUFACCTS Lynx

Forwarded-from: GALIC

Here is the answer from the Lynx developer. Hope it makes sense
to you, Bebo.    Harv.

--- Forwarded Text ---

From: montulli@statl.cc.ukans.edu (Lou Montulli)
Subject: Re: problems with SLAC's databases on KUFACCTS Lynx
In-reply-to: <01H68LEKJAI2AJN2VL@KUHUB.CC.UKANS.EDU>; from "H. Galic" at Dec 8,
93 11:06 am
To: GALIC@SLACVM.BITNET (H. Galic)
Message-id: <9312082042.AA27355@statl.cc.ukans.edu>
X-Envelope-to: GALIC@SLACVM.BITNET
X-Mailer: ELM [version 2.3 PL2]

> I am from time to time testing the SLAC's WWW pages on your Lynx,
> by telnetting to kuhub.cc.ukans.edu and using id KUFACCTS
>
> There seems to be a persistent problem with the display of some of our
> pages on Lynx. For example, by choosing
>   SLAC SPIRES -- HEP Publications (on the DEPARTMENTAL INFO/PHYSICS DEPT
> path),
> I only get few first lines of the page which is about 35 lines long.
>
> Is there anything we can do at SLAC to improve the situation?

Yes there is. Your server should be able to receive a multiline
HTTP 1.0 request of the form
GET URL HTTP/1.0
Accept: text/html
Accept: video/mpeg
Accept: image/jpeg
Accept: image/x-tiff
Accept: image/x-rgb
Accept: image/x-xbm
Accept: image/gif
Accept: application/postscript
User-Agent: Lynx/2.1 libwww/2.13
From: montulli@ukanaix.cc.ukans.edu

Terminated by a blank line. Your server is causing a TCP abort due
to the extra lines being sent but not expected.

:lou

--
THE UNIVERSITY OF KANSAS

Lou MONTULLI @ Ukanaix.cc.ukans.edu
Kuhub.cc.ukans.edu ACS Computing Services
913/864-0436 Ukanvax.bitnet Lawrence, KS 66044
UNIX! Cool! I know that! Jurassic Park - The Movie
I concert with the answer Harv got from Lou, maybe this sheds light on the mystery.

Re: trouble with the big cat

Can you give me the URL for the home page?

Bebo White (here at SLAC) tells me he reported this same problem to the Lynx developer a couple of weeks ago from the version we are running here but has heard nothing. Do you know whether this problem is getting any attention?

Are you running 2.0.11? I haven't spoken with Lou, but the people who ported it to SCO Unix are having some similar (or at least the descriptions sound similar) problems.

Thanks for the report, I'll look into it.

Charles
From: ashwin@cc.gatech.edu (Ashwin Ram)
Subject: Re: MacMosaic and xmosaic incompatibilities/bugs/suggestions
Date: Thu, 9 Dec 1993 16:06:59 GMT

Basically, here's my dilemma. Cognitive Science is an highly
interdisciplinary community; we have people who range from hot-shot computer
programmers who dream in C, to people who are your typical Macintosh
end-users (but not programmers), to people who barely know enough to run a
terminal emulator on a PC to read mail.

We have papers, technical reports, and other kinds of information produced
from LaTeX (in compressed postscript), from Microsoft Word (in Word format or
in RTF), and from Word Perfect (these are the three major ones; some people
also use Framemaker, but its output could also be turned into compressed
postscript).

So we need to make at least compressed postscript and RTF available; we need
these to be readable from xmosaic, Mac Mosaic, and PC Mosaic; and we need
everything to work without any user customization and without any user
knowledge of underlying implementations, formats, and other details. If it's
too hard, people simply won't use it.

I don't think we are that atypical; once the Web starts to take over the net
and reaches a wider and broader audience, I believe that we'll all face these
kinds of problems. But whether that is true or not, I'm certainly facing
this problem now. Any and all suggestions would be most appreciated.

Thanks,
Ashwin.

--
Ashwin Ram <ashwin.ram@cc.gatech.edu>
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Georgia Institute of Technology, Atlanta, Georgia 30332-0280