Information Transfer inside HERA–B

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These Transparencies will be available via WWW

on the "Information Transfer" Pages.

Contents

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Mail	News
"Short" messages, that should be distributed fast	
Messages will be delivered	
	(If the distribution is set up properly)
Message to specific people specified by the sender	Message to all people interessted in a specific topic, even if not known to the sender
No chance to get later	Can be read later

ftp	WWW & WWW–Browser access to ftp
Files that are large or valid for some time	
Files have to be fetched	
Files that need to be copied.	Files that are only looked at.
Everybody has to get a new copy if file has changed	If you look at a files, it is the most recent one.
Uses disk space	Causes net-traffic
Binary files	HTML files
No predefined structure	Implicit structure
Files can be uplowded by everybody	On WWW only staff can inlcude files
	Representation to the whole world!

Some Ideas for general rules:

- Give directory a self-explaining name
- Put a README in each directory
- Sign each README!
- Avoid files in the top directory
- Use directory structure `.../pub/herab/xyz/ps`

  `/tex`

  `/old`

  instead of `.../pub/herab/xyz_ps`

  `.../pub/herab/xyz_tex`

  `.../pub/herab/xyz_old`
- If possible, maintain a index file with short descriptions of the files (might be the README file).
- Let 's create a indexed collection of pictures that might be usefull for future publications

Status of WWW–Pages

Page	Links	Last Change			Maintainer
Silicon Vertex Detector	none	–			
Transition Radiaton Detector	none	–			
Installation	none	–			
Talks	1 (PRC)	Jun	6	94	
Notes	2	Jun	17	94	
Inner and Outer Tracke	1 minutes	Jun	28	94	
Electromagnetic Calorimeter	1 minutes	Jul	6	94	
Muon System	1 minutes	Jul	12	94	
Start of WWW Server		Aug	30	94	
Publication	1	Sep	19	94	
SLTrigger,	2	Sep	20	94	
DAQ Front End	4	Nov	1	94	
Software	6	Mar	6	95	
Processor Farm	2 minutes	Apr	24	95	
FLTrigger	6	May	3	95	Reßing
Minutes	18	May	5	95	
RICH	7	May	10	95	
Pictures/Technical Drawings	1+15	May	10	95	Zierold

It would be a sad solution to create a "History" page, move links of never changing pages there and delete those pages.

- Try to remember our WWW–Server if you have a new document that contains information interessting for other collaboration members or is suitable for representing our experiment
- Send request for inclusion to *Uschi Djuanda*. Give clear and definit answers to:
  - Where can the document be found?
  - Wich existing page should contain the link to the new document?
  - Where on that page do you want to have the link?
  - What shall be the text of the link?
- If the document is just a little text, a ASCII (or even HTML!) file will be the best.
- If the source of the document is a LaTeX file without pictures, use a *.dvi file wich will need less resources then a *.ps file.

Shall we loosen the password protection?

HTML	Links	“Online”	Up to date
e.g. LaTeX	Index, Pagenumbers	Paper	

HTML: – less formating Options

– Only ASCII (ISO) characters

latex2html: – “empty” graphics for indentation

– includes tables as image

– graphics for special characters

$\Rightarrow$ – it slows down the access

– it’s optimized for one browser with one font

– it’s not viewable with a non-graphic browser

No graphics if : – for tables pure ASCII is used

– no special characters are used

– needed pictures are kept “external”

Note : LaTeX is optimized for paper–bound text

$\Rightarrow$ No converter can support real Hypertext if the “source text” is not prepared

HTML $\rightarrow$ LaTeX converters are availabel too!

There is a list of HERA–B news on WWW, but news are read "localy".
⇒ If you have no access to HERA–B news with a newsreader, you can not read the news with WWW either.

For posting news with pine:

1. Move cursor in header
2. Press *ctrl–r* for enriched header
3. Enter name of newsgroup in line "Newsgrps:"

Please contact me **this week** if you want to have HERA–B news at your site.

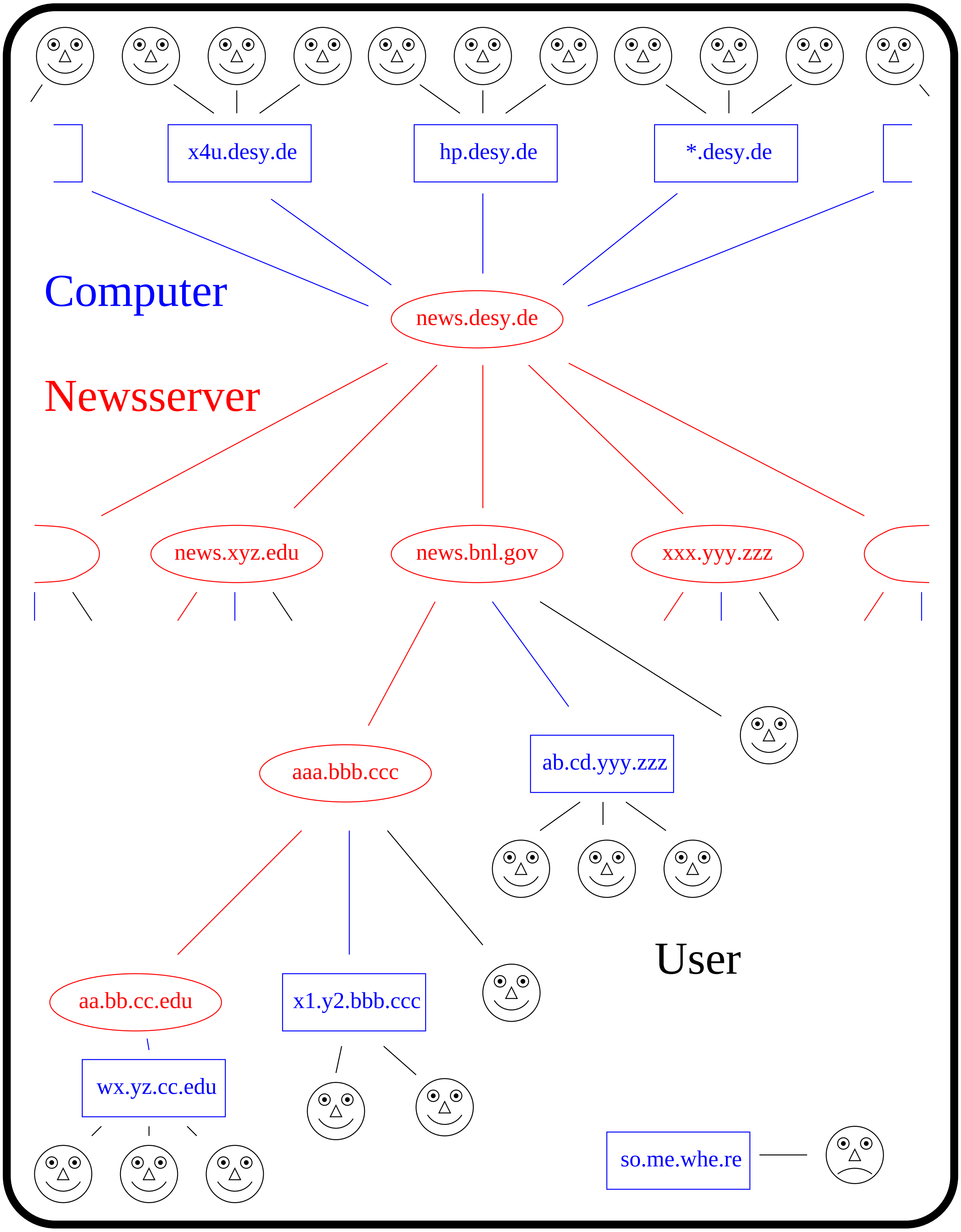
URL of HERA–B WWW Home Page:

`http://castor.ifh.de`

HERA–B WWW Server, topic "Information Tranfer":

- Information on news
- Information on WWW
- A primer on HTML
- ...

How News are Distributed



The limitation of news access is done by limiting access for computers.
⇒ all users of one computer have the same rights concerning news.

	Loose	Strict
	Access is allowed for all Computers served by a Server	Access is restricted to single Computers
Advantage	Minimum work for newsadministrator	Only a few people will have access to HERA–B news
Disadvantage	Many people will have access to HERA–B news	More work for newsadministrators. On every change of the computers used for news access, the administrator has to be informed. Collaborators are restricted to the computers wich have been named for news access. Newsadministrators might refuse to work this way!

Solution between those extrems:
Using templates for names, e.g. *.desy.de or *.ph.utexas.edu or for IP-numbers, e.g. 131.169.*.*

All people having an account on any computer at DESY can read HERA–B news
⇒ I would recommend to give access to HERA–B news to

- whole institutes, that work at physics
- physics departments on greater institutes, e.g. universities

as the normal case where possible.

If restriction to physics is not possible:

- smallest possible group of computers containing all needed ones that can be covered by one template (up to a whole university as worst case)

In any single case an even better specific solution can be found, that one will be realized of course.

If problems arise due to postings from non–HERA–B–members, the post access could be restricted further than the read access.

To Do ...

Inform me or *Uschi Djuanda* if there is something wich can be included in WWW.

Check the ftp directories/files you are using wether you could improve the structure of the information you are providing.

Check wether you can read news “at home” and tell me if not. If your site needs a individual solution, the set up will need some discussion.

News policy:
will be discussed in the Collaboration Board ?

If you are interessted in details, check the “Information Transfer” pages on WWW.

Feedback: Wich browser are you using?

- Mosaic
- Lynx
- Netscape
- ...