Free CDN for Free Software

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CDN

Content Delivery Networks
CDN

Content Delivery Networks
„Cairn“
Why collaborate?

?  

E.g. because picking mirrors is a difficult business
SO... WHICH OF THESE MUSHROOMS CAN WE EAT?
DOES THE MIRROR HAVE THE FILE?
Geographically close?
TRUSTWORTHY??
PRIVATE MIRROR?
PERFORMANCE?
FAST ENOUGH FOR BULK DELIVERY?
ALIVE AND KICKING?
CLIENT PREFERENCE?
WHICH MIRRORS ARE 2ND CHOICE - AS FALLBACK?
You see, it's not quite easy.

- Keep track of a lot
- Assign mirrors in realtime
- Not a simple task
Plain old FTP/HTTP = dumb

Metalink clients = intelligent
MirrorBrain = Metalink generator
What is a Metalink?

- XML mirror list
- hashes and signatures
- „knowledge transfer“ from server to client
„Metalinks + MirrorBrain = Killer Combo!“

Ant Bryan
Connectivity
Connectivity somewhere else
Information = Education

Health & Work
“It took me 30 hours to download OpenOffice.”

“It took me 3 weeks to download OOo. I am in Africa. Finally I had a successful download from a Canadian mirror.”
People with internet access 2008:

22%
People with Internet access 2008:

OECD 2008:
Broadband in
Germany: 24%
Korea: 8%
Slovak Rep.: 6%

22%
Every project could have its own MirrorBrain
Supermirrorbrain
It nearly exists!

- look at the big mirrors...
- common database
- common file tree (namespace)
- syncing beyond rsync
- MirrorBrain 3.0?
- Free CDN
A call for collaboration
DISCUSS @ MIRRORBRAIN.ORG

PLATFORM-NEUTRAL
MAILING LIST
DISCUSS @ MIRRORBRAIN.ORG
PLATFORM-NEUTRAL MAILING LIST

INSIGHTS

IDEAS

INFRASTRUCTURE, SCRIPTS, MIME-TYPES

REGIONAL REQUIREMENTS
DISCUSS @ MIRRORBRAIN.ORG

PLATFORM-NEUTRAL MAILING LIST

VENDORS  MIRROR ADMIN  USERS  RESEARCHERS
Thanks!