

Friends of Bruno Newsletter #2

This is the second in a series of notes regarding the experimental project between the ITU and Digital Resource Institute (DRI) of the University of Colorado where ITU standards and other materials are being made openly available on a server connected to the Internet. The server is named Bruno. The Bruno project is being conducted by DRI Co-Dir. Carl Malamud <carl@malamud.com>.

Two weeks after the availability of the Bruno server, Prof. Mike Schwartz at the Digital Resource Institute, University of Colorado provided the following information on Bruno as of Fri, 25 Oct at 23:26, for the first 350 hrs of operation:

File retrievals:

- 60,233 files by FTP
 - 3,266 files by Email
- ***

Current traffic:

- ~ 35 packets/second to/from Bruno
- ***

Requesting sites:

- 582 different sites
- 27 countries (at least*):
Australia, Austria, Belgium, Brazil, Canada, Denmark, Finland, France, Germany, Hungary, Iceland, Ireland, Israel, Italy, Japan, Netherlands, New Zealand, Norway, Portugal, Singapore, Spain, Sweden, Switzerland, USA, USSR, United Kingdom, Yugoslavia

* In some cases, the origin cannot be determined from the domain name, such as with UUCP and BITNET hosts.

Files requested per person/machine:

62.04 mean (standard dev=325.98)

The top 15 hosts (in terms of number of files retrieved) were:

# of Files	Host (detailed identity deleted)
5145	(us) com
5141	uk
3300	(us) com
2862	(ca) edu
2712	jp
2133	jp
2066	edu
1893	(it) com
1826	(us) edu
1629	(us) edu
1284	(us) com
1110	de
1089	(?) com
1046	ch
1012	(us) edu

Key: Country code/organization type. com=company; edu=academic institution

Open* server replicas:

- ◆ <src.doc.ic.ac.uk> alias <nic.ja.net> (United Kingdom)
- ◆ <uunet.uu.net>
- ◆ Transarc Corporation (U.S.)

Note: uunet.uu.net is located in Virginia. Among other services, they provide a large repository of files to the Internet community, through anonymous FTP (source code, documents, etc.)

Note: Transarc will make the files available through the Andrew File System (AFS). This is a wide-area distributed file system developed originally as a research project at Carnegie-Mellon University, which is now a commercial effort. Unlike with FTP, the AFS user sees a single, identical UNIX file system rooted at /afs. This top-level /afs directory contains one entry for every site running AFS, named in a Domain-style fashion. They are planning on putting the ITU documents in the directory

/afs/grand.central.org/darpa/usr/contrib/dist/itu

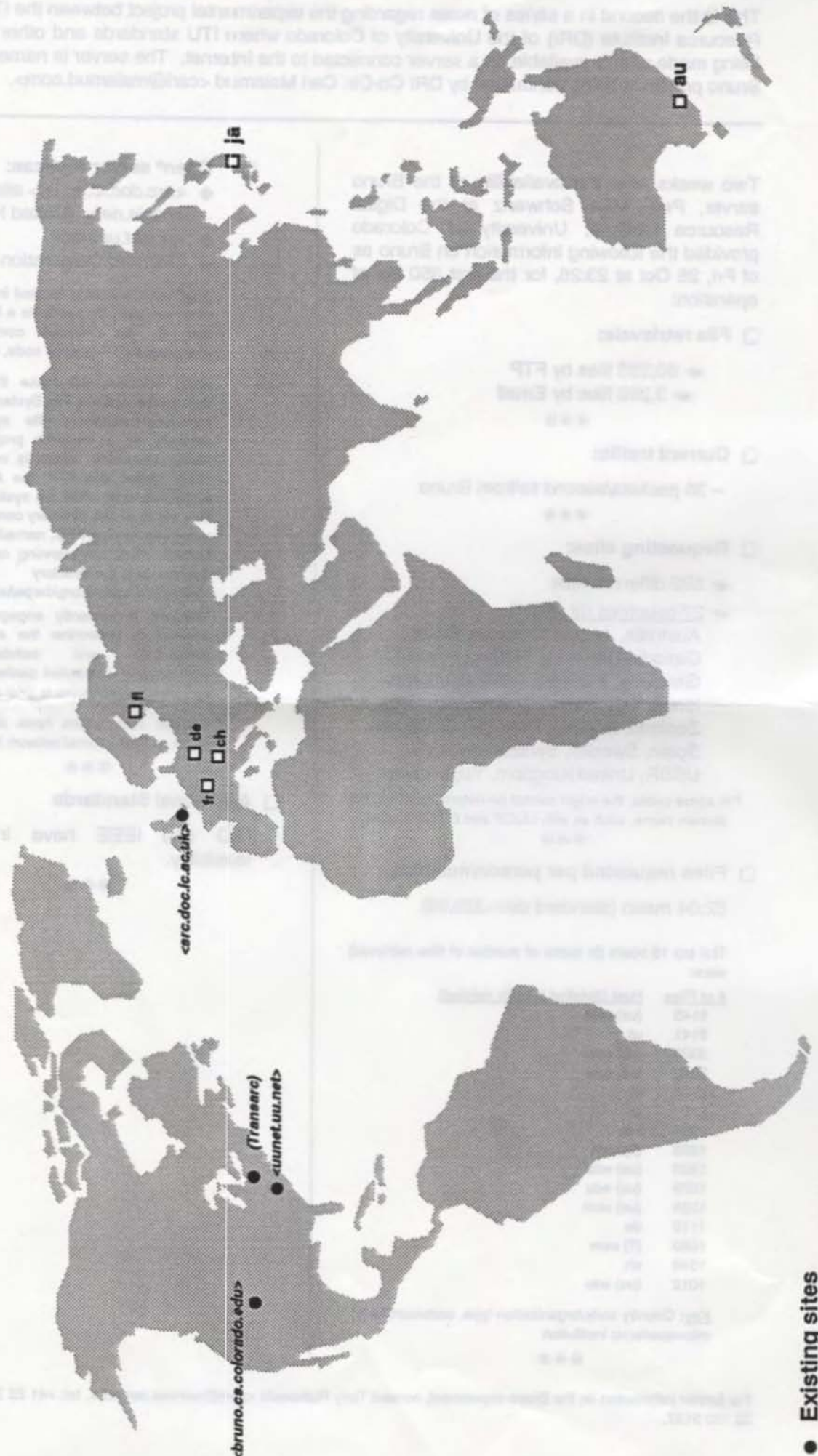
Transarc is currently engaged in a DARPA contract to determine the effect of AFS on cooperation and collaboration among geographically distributed parties. Having the ITU documents contributes to their efforts.

* Several corporations have obtained copies to place on their internal network hosts.

Additional Standards

ISO and IEEE have inquired about feasibility.

Bruno Servers



- Existing sites
- Volunteered new sites