ARNET – Argentine Science Network

Address:

UNDP Project ARG-86-026
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Description

ARNET, a TCP/IP network connected to the Internet, is the major science and research network of Argentina. It connects approximately three hundred sites, mainly universities and research organizations. ARNET provides electronic mail, USENET News, file server, and electronic mailing list services.

Like other cooperative networks, ARNET has no central planning or central authority. The current international link and the top-level AR domain are managed by the UNDP (United Nations Development Programme), Project ARG-86-026, at the Ministry of Foreign Affairs (MREC), together with the Secretariat of Science and Technology (SECYT). For the time being, the top-level subdomains are administered by the UNDP/MREC project.

ARNET is a store-and-forward message network based on the Unix communications facilities. The international electronic mail gateway and USENET news backbone, atina.ar, is a '386 machine running Unix System V connected to the MREC Local Area Network. The network is connected to the Internet through a satellite link to SURANet at the University of Maryland.

Most ARNET connections are over the public telephone network or the public packet-switching network, ARPAC, using the UUCP protocol in different environments. USENET news and most electronic mail traffic is brought to ARNET from uunet.uu.net via Internet.

Several major nodes, such as secyt.gov.ar (Secretaria de Ciencia y Tecnologia), dcfcen.edu.ar (Departamento de Computacion, Facultad de Ciencias Exactas y Naturales, Universidad de Buenos Aires), and opsarg.org.ar (Organizacion Panamericana de la Salud), call atina.ar over telephone lines, PSN ARPAC, or leased lines to distribute mail and news traffic to other nodes. Many nodes use various implementations of UUCP for MS-DOS with limited functionality.

Future plans

There is a cooperation agreement between the UNDP/MREC project and the SECYT to distribute Internet services. The first stage will be the installation of a couple of Unix boxes at major regional sites, interconnected through the PSN ARPAC and national satellite links using UUCP. The second stage will be the migration from UUCP to TCP/IP. There are under study different ways to distribute Internet services throughout the country, and to upgrade the international link to the Internet.

Network Access

ARNET's IP number is 140.191. Several bits of the address are reserved for subnetting. The subnet mask is 255.255.254.0.

The current MX-host for the AR domain is uunet.uu.net. Domain Name Service for AR domain is served by NS.UU.NET and UUCP-GW-1.PA.DEC.COM. Most systems on ARNET use the Internet addressing scheme and the UUCP bang notation.

Top-level-domain:	AR (Argentina)
Internet:	user@node.subdomain.ar
UUCP:	uunet!atina!node.subdomain.ar!user or uunet!atina!node!user

There are several top-level subdomains. Provincial subdomains are used when sites don't apply for organizational subdomains.

edu.ar	Academic and research institutions
org.ar	Non profit organizations
gov.ar	Government institutions and agencies
com.ar	Commercial organizations
mil.ar	Military institutions
mrec.ar	Ministry of Foreign Affairs Network
ba.ar	Buenos Aires
cb.ar	Cordoba
cc.ar	Chaco
ch.ar	Chubut
cn.ar	Corrientes
ct.ar	Catamarca
er.ar	Entre Rios
fm.ar	Formosa
jy.ar	Jujuy
lp.ar	La Pampa
lr.ar	La Rioja
mn.ar	Misiones
mz.ar	Mendoza
nq.ar	Neuquen
rn.ar	Rio Negro
sa.ar	Salta
sc.ar	Santa Cruz
se.ar	Santiago del Estero
sf.ar	Santa Fe
sj.ar	San Juan
sl.ar	San Luis
tf.ar	Tierra del Fuego
tm.ar	Tucuman

Miscellaneous Information

ARNET UUCP maps are available from USENET News or uunet.uu.net. The maps are organized by provinces. It will be available for anonymous ftp from **atina.ar** (140.191.2.2).