Object-Orientation FAQ

2 Arjuna (Distr Prog System)

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What: Release 2 of Arjuna Distributed Programming System
From: arjuna@newcastle.ac.uk (Arjuna Project)
Date: Mon, 17 May 1993 12:37:34 GMT
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We are pleased to announce the availability of a new version of Arjuna: a programming system for reliable distributed computing, and the Arjuna mailing list.

The software and the manual for the Arjuna system can be obtained by anonymous ftp: arjuna.ncl.ac.uk (128.240.150.1)

Arjuna System

This beta release of ArjunaPR2.0 fixes all known bugs present in ArjunaPR1.2B that have been reported to us or that we have found, and contains only minimal information about how to use the new features provided. This release should be compilable with the following compilers:

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    AT&T Cfront Release 2.1, on SunOS 4.1.x,
        (using Sun supplied lex and yacc).
    AT&T Cfront Release 3.0.1, on SunOS 4.1.x and Solaris 2.1,
        (using Sun supplied lex and yacc).
    GCC versions 2.1, 2.2.2, on SunOS 4.1.x,
        (using flex(v2.3.x) and bison).
    Patched GCC version 2.3.3 on SunOS 4.1.x and Solaris 2.1,
        (using flex(v2.3.x) and bison).
    Sun C++ 2.1, on SunOs 4.1.x,
        (using Sun's lex++ and yacc++).
    HP  C++ (B2402 A.02.34), HP-UX 8.07,
        (using HP supplied lex and yacc or lex++ and yacc++).
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The major new features are:

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    - Faster object store.
    - Support for replicated objects.
    - Memory resident object store.
    - Support for ANSAware (not available via ftp)
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Arjuna supports nested atomic actions (atomic transactions) for controlling operations on objects (instances of C++ classes), which can potentially be persistent. Arjuna has been implemented in C++ to run on stock platforms (Unix on SUNs, HPs etc). The software available includes a C++ stub generator which hides much of the details of client-server based programming, plus a system programmer's manual containing details of how to install Arjuna and use it to build fault-tolerant distributed applications. The software and the manual can be obtained by anonymous ftp: arjuna.ncl.ac.uk (128.240.150.1)

Several enhancements and ports on various distributed computing platforms are in progress. We would be pleased to hear from researchers and teachers interested in using Arjuna. The programmer's manual contains the e-mail addresses for sending your comments and problem reports.

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ANSAware version of Arjuna

The ANSAware version of Arjuna is available from:

Architecture Projects Management Limited
Poseidon House
Castle Park                                  Phone     +44 223 323010
Cambridge                                    Fax       +44 223 359779
CB3 0RD                                      Internet  apm@ansa.co.uk
United Kingdom                               UUCP      ...uknet!ansa!apm

Arjuna Mailing List

To enable us to  help people using Arjuna,  an electronic mail list has
been setup. You can join  the Arjuna mailing list  by sending an e-mail
message to "mailbase@mailbase.ac.uk" containing:

join arjuna <Your Name>

For example : join arjuna John Smith

Mail  messages  can  then   be  sent  to  "arjuna@mailbase.ac.uk",  for
distribution.

Arjuna Project Team
The Department of Computing Science,
The University,
Newcastle upon Tyne.
NE1 7RU, UK.

Fax:          +44 91 222 8232
e-mail:       arjuna@newcastle.ac.uk
anonymous ftp: arjuna.ncl.ac.uk (128.240.150.1)

EMAIL = arjuna@newcastle.ac.uk
POST  = Computing Laboratory, The University, Newcastle upon Tyne, UK NE1 7RU
VOICE = +44 91 222 8067          FAX = +44-91-222-8232

Subject: Arjuna papers announcement
Date: Tue, 8 Jun 1993 16:47:02 GMT

This is to announce the availability of most Arjuna related papers and
theses via anonymous ftp from arjuna.ncl.ac.uk. These papers are
available in both US Letter and European A4 standards in postscript and
should now print on systems. Any problems in printing should be directed to
arjuna@newcastle.ac.uk.

Since there are too many papers to describe in one posting there is an index
available in /pub/Arjuna/Index which contains the abstracts from all of
the papers/theses and their locations within the ftp hierarchy.
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