

PACKAGE ID - 001261GENWS00 ALICE MEMORY SNOOPER

KWIC TITLE - Avanced Large-scale Integrated Computational Environment

AUTHORS - Ba, I.
Argonne National Laboratory, IL (United States)

LIMITATION CODE -COPY **AUDIENCE CODE** - UNL

COMPLETION DATE - 05/01/1998 **PUBLICATION DATE** - 05/01/1998

DESCRIPTION - The ALICE Memory Snooper is a software applications programming interface (API) and library for use in implementing computational steering systems. It allows distributed memory parallel programs to publish variables in the computation that may be accessed over the Internet. In this way, users can examine and even change the variables in their running application remotely. The API and library ensure the consistency of the variables across the distributed memory system.

PACKAGE CONTENTS - Media Directory; Software Abstract; Media includes Source Code, User Guide, Compilation Instructions, Sample Problem Input Data, Sample Problem Output Data, Programmer Documentation;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 3.5 Diskette

METHOD OF SOLUTION - The ALICE Memory Snooper is written using object-oriented technologies.

COMPUTER - WORK STATION

OPERATING SYSTEMS - Unix and Windows 95/NT without operating system modifications. The software will run on any system that supports threads and TCP/IP.

PROGRAMMING LANGUAGES - C

SOURCE CODE AVAILABLE (Y/N) - Y

UNIQUE FEATURES - Shared memory is not required.

OTHER PROG/OPER SYS INFO - The ALICE Memory Snooper requires threads and TCP/IP which are available on all Unix systems and under Windows 95/NT.

HARDWARE REQS - A minimum of eight Mbytes of RAM and eight Mbytes of disk storage is recommended.

TIME REQUIREMENTS - The time requirements are machine and problem dependent, ranging from one second to one week.

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TIME REQUIREMENTS - (CONT)

REFERENCES - Documentation in the form of a hypertext User's Manual is provided with the package.

ABSTRACT STATUS - Released As Is 12/11/1998

SUBJECT CLASS CODE - P

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
A CODES
DATA
COMPUTER NETWORKS
COMPUTERIZED SIMULATION
DISTRIBUTED DATA PROCESSING

EDB SUBJECT CATEGORIES -

990200

SPONSOR - DOE/ER

PACKAGE TYPE - AS - IS