Applications

Software Development Tools

AC/TRASYS (Thermal Radiation Analysis System)

Heros Noravian
President
Analytix Corporation
1818 Blakefield Circle
Timonium, MD 21093
USA
410-321-5710
410-494-1575 (fax)
http://www.caeconsultants.com/hero.htm

AC/TRASYS is a spacecraft thermal design tool which may be used to calculate radiation interchange factors and environmental incident and/or absorbed for any geometric system defined as discrete shapes: RECTangles, DISCs, POLYgons, right circular CYLinders, CONEs, SPHEREs, PARABoloids, BOXes, SPHEROids, and OGIVes. The output from the AC/TRASYS are Radiation factors and heat loads which may be used with any thermal analyzer.

IRIX version compatibility:

ACIS 3D Toolkit®

Ron Belcher
Vice President,
Development
Spatial Technology, Inc.
2425 55th Street
Building A
Boulder, CO 80301-5704
USA
303-449-0649
303-449-5921 (fax)
ron@spatial.com

ACIS 3D Toolkit® is a suite of component software tools, integrated with ACIS, that accelerate prototyping, development and deployment of 3D modeling applications. ACIS 3D Toolkit will greatly reduce development costs and time to market for 3-D modeling applications. ACIS 3D Toolkit provides an extensible, interpretive cheme-based scripting language which makes it easy to learn and use, flexible and powerful. In addition, ACIS 3D Toolkit provides procedural, object-oriented access to ACIS 3D Modeling functions. ACIS 3D Toolkit is compatible with popular GUI development tools. Furthermore, ACIS 3D Toolkit is built on ACIS - the standard.

IRIX version compatibility:

ADADL® - Ada Design and Documentation Language

Thomas Radi
President
Scientific Toolworks, Inc.
115 Etna Road
Suite 18A
Lebanon, NH 03766
USA
909-625-6147
909-626-9667 (fax)
http://www.scitools.com

ADADL® is an Ada/PDL that can be used to design and document Ada programs. The ADADL processor analyzes both ADADL® pseudo-code and executable code to detect logic and syntax errors.

More than 25 reports are available including "pretty printed" output, object (set/use information) and type cross-reference, invocation trees, declaration structure, "with" hierarchy, generic utilization, interrupts and McCabe complexity. The ADADL® processor also works with DocGen® to automate Mil/DoD documentation and TestGen® to aid in developing test strategies and reviewing designs for each function.

IRIX version compatibility:

Software Development Tools

ADS-3000 - Avionics/Vetronics Development Systems

Walter F. Muller
Vice President
Masters Aerospace &
Systems Group, Inc.
130 McCormick Avenue
Unit 113
Costa Mesa, CA 92626
USA
714-437-0599
714-437-0595 (fax)
100023.
2516@compuserve.com

Masters ADS-3000 family of products provides a complete SGI host based solution to the requirements within the aerospace, defense and automative industries for COTS avionics/ vetronics development, integration and test environments.

ADS-3000 solutions combine real-time MIPS architecture computing, VME interfaces (such as MIL-STD-1553, ARINC 629, ARINC-429, CAN, Digital/Analog I/O, etc.) and X-Windows GUI tools to provide integrated environments for tasks such as Hardware-In-The Loop Simulation, Rapid Prototyping and Data Acquisition.

A key feature of ADS-3000 solutions is the removal of any requirement from the user to develop low level driver software; in simulation applications all I/O is handled by ADS-3000 software modules, including frame-based simulation and 100% data acquisition. The ADS-3000 software provide a complete environment for simulation development and execution, data acquisition and data analysis. The ADS-3000 environment supports many third party tools for code development and comlpilation, Man-In-The-Loop simulation, and graphical data analysis.

IRIX version compatibility:

ANGOSS KnowledgeSEEKER

John Mangold
VP, Technology
ANGOSS Software
International Ltd.
430 King Street West
Suite 201
Toronto, ON M5V 1J5
Canada
416-593-1122
416-593-5077 (fax)
jmangold@ANGOSS.com
http://www.ANGOSS.com.
ca

Angoss Software presents KnowledgeSEEKER-the world leader in Knowledge Discovery. KnowledgeSEEKER is the true forerunner in Data Mining technology.

KnowledgeSEEKER will identify all significant relationships in your data, uncover trends and patterns, and will make valuable predictions. Available in Windows family, UNIX or DOS, KnowledgeSEEKER is without question the most advanced and efficient data analysis and prediction tool in the world today.

Based in Toronto, ANGOSS Software has been consistently ranked one of Canada's Fastest-Growing Companies by Profit Magazine. The company has strategic partnerships with such leading high technology firms as Cognos, AT&T, and Tandem. Further, Knowledge-SEEKER is currently used by over 600 corporations including Hewlett Packard, Readers Digest, Proctor and Gamble and the IRS.

IRIX version compatibility:

AXI™

Ingrid Leon
Mktg & Sales Manager
Advanced Technology
Center
22982 Mill Creek Drive
Laguna Hills, CA 92653
USA
714-583-9119
714-583-9213 (fax)
ileon@atc.com
http://www.atc.com/

AXI is the ADA interface to X11 and Motif. The product is configured as a set of packages for the ADA programmer to access directly. Leading compilers including rational/verdix and alsis/telesoft as well as the stars interface are supported.

IRIX version compatibility:

Software Development Tools

Ada-ASSURED™

Jeffry Burns
Director of Marketing
Grammatech, Inc.
One Hopkins Place
Ithaca, NY 14850
USA
607-273-7340
607-273-8752 (fax)
jeff@grammatech.com
**http://www.grammatech.
com**

Ada-ASSURED helps programmers produce code that's easier to read, understand, maintain and reuse. It is a coding standards enforcement tool, high-quality pretty printer, and language-sensitive development environment for Ada 95 and Ada 83. Ada-ASSURED automatically assists conformance with the Software Productivity consortium (SPC) Ada Quality and Style Guidelines and can be customized to enforce company or project coding standards. Special scripts assist conversion from Ada 83 to Ada 95. New features include user-definable headers, menus, and context-sensitive templates, HTML cross-referencing to the SPC Guidelines, the Ada LRM, Ada-ASSURED documentation, and user documentation.

IRIX version compatibility: 5.x, Pre 5.x

AdaEmacs Programmer's Text Editor

Sue Glassberg
Sales Director
UniPress Software, Ltd.
2025 Lincoln Highway
Edison, NJ 08817
USA
908-287-2100
908-287-4929 (fax)
sue@unipress.com
http://www.unipress.com/

AdaEmacs is the programmer's text editor designed specifically for developing and maintaining Ada programs on Silicon Graphics computers. AdaEmacs is a language-specific extension of UniPress Emacs for Ada, providing all of the power of UniPress Emacs with its menu-based interface (even on character-based displays) plus Ada-specific functions including parentheses and braces checking and syntax expansion. When you input a line of code with a keyword, the proper syntax structure immediately appears. AdaEmacs includes the MLisp programming language for customization, "zoom" for displaying code to a given nesting level, communication with the operating system through command shell windows, and context-sensitive help.

IRIX version compatibility:

Adobe™ Display PostScript™ DPS/NX

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

Adobe™ Display PostScript™ DPS/NX provides the capability to drive Display PostScript (DPS) over any X Window Server - including any X terminal, PC X Server, or workstation. With it, popular applications such as Sun's AnswerBook can now run across your entire network.

That's why DPS/NX is a "must have" if you use any of these products:

- AnswerBook
- Adobe Illustrator
- Adobe Acrobat
- Adobe Exchange
- Adobe Show

In addition to providing DPS over a Networked X environment, DPS/NX also provides software to show PostScript and Portable Document Format (PDF) files on an X Server, as well as 65 Type 1 fonts.

IRIX version compatibility:

Software Development Tools

Aide-de-Camp™ Software Management System

Sales Department
Software Maintenance &
Development Systems, Inc.
200 Baker Avenue
Concord, MA 01742
USA
508-369-7398
508-369-8272 (fax)
adc@smds.com

Aide-de-Camp™ (ADC) is an object-based software configuration management tool that provides change and version control and information management. ADC is the only CM system based on the change set (cset) technology. This technology combines the management of physical code with the management of logical properties.

Developers can manage projects on multiple platforms, establish baselines, identify code changes that implement a particular feature, merge code from different paths, detect physical conflict, retrieve any version, and extract software by attributes.

ADC includes a pre-defined, modifiable process, a graphical user interface, and the Lakota™ scripting language.

IRIX version compatibility:

Aide-de-Camp/Pro (ADC/Pro)

Pat Bolis
Marketing Specialist
True Software, Inc.
300 Fifth Avenue
Waltham, MA 02154
USA
617-890-4450
617-890-4452 (fax)
info@truesoft.com
http://www.truesoft.com

Aide-de-Camp/Pro is a robust Software Configuration Management (SCM) tool that provides built-in change management and tracking, comprehensive software release control and audits, and an open architecture for ease of interfacing or integrating with existing solutions. ADC/Pro is the only SCM system based on the selectable change model, which gives ADC/Pro unprecedented capabilities to support Team Parallel Development and fully integrated Change Management in one single SCM package. Developers can manage projects on multiple platforms, establish baselines, identify all the changes that implement a particular feature or bug fix, merge code from different development paths, detect physical conflict when merging code, and retrieve any version of the software.

IRIX version compatibility: 5.x, 6.x

Allegro CL®

Stewart Elliott
Sales Manager
Franz, Inc.
1995 University Avenue
Berkeley, CA 94704
USA
510-548-3600
510-548-8253 (fax)
info@franz.com
http://www.franz.com/

Allegro CL® is a fully-optimized ANSI CLOS system for rapid application development and deployment on Silicon Graphics workstations. CLOS is the first ANSI-standard Object Oriented Programming language.

Dynamic Object Oriented Programming technology enables incremental change of object structures and behavior in running applications without requiring source code.

ANSI CLOS is a high-level language with special features for programming productivity, such as incremental compilation, automatic memory management, and powerful debugging tools. CLOS allows programmers to create better applications in less time in an interactive development environment.

IRIX version compatibility:

Allegro Composer®

Sales Staff
Franz, Inc.
1995 University Avenue
Berkeley, CA 94704
USA
510-548-3600
510-548-8253 (fax)
info@franz.com
http://www.franz.com/

Allegro Composer® is an interactive window-based program development environment for use with Allegro CL®. Allegro Composer improves programmer productivity. It provides an extensive programming toolkit, smoothly integrated with UNIX®, X Window System™, and the Emacs editor. Allegro Composer's windows simultaneously display a wide variety of information about the development process. Allegro Composer helps the developer inspect, manage, and dynamically modify multiple Lisp processes, eliminating performance bottlenecks in code.

IRIX version compatibility:

Software Development Tools

AllegroStore™

Sales Staff
Franz, Inc.
1995 University Avenue
Berkeley, CA 94704
USA
510-548-3600
510-548-8253 (fax)
info@franz.com
http://www.franz.com/

AllegroStore™1.0 is a high performance, production ready, object-oriented database management system for applications using CLOS, the Common Lisp Object System. AllegroStore offers Common Lisp applications persistent object storage, featuring very fast retrieval and update of object data. It provides query processing and transaction based operation, permitting concurrent access to objects in a client/server environment.

IRIX version compatibility:

Alliance Systems

Geoff Engerman
President
Alliance Systems, Inc.
One Pierce Place
Suite 100W
Itasca, IL 60143
USA
708-773-8200
708-775-1552 (fax)
geoff@mcs.com

Open Message Server (OMS) is both an OEM licensed product and a wireless network. Gateway (WNG) solution. The OMS/WNG solution integrates a customers requirements for mobile computing to support many dissimilar wireless networks (ARDIS, RAM, CDPD, Motorola, etc.)

IRIX version compatibility:

Amsterdam Compiler Kit

Sue Glassberg
Sales Director
UniPress Software, Ltd.
2025 Lincoln Highway
Edison, NJ 08817
USA
908-287-2100
908-287-4929 (fax)
sue@unipress.com
http://www.unipress.com/

The Amsterdam Compiler Kit (ACK) provides an integrated collection of programs designed to help create portable (cross) compilers and interpreters. In addition to this set of tools for creating new compilers, ACK is shipped with six language front-ends for C, ANSI C, Pascal BASIC, Modula-2, and Occam, as well as many code generators and assembler/linkers, all written in C.

ACK is designed to meet the needs of three different groups of developers: those developing new languages or modifying old ones, those who want cross-development facilities on their UNIX computers for existing languages and CPUs, and those at universities who teach compiler design, develop compilers for new languages and create back ends for new machines.

IRIX version compatibility:

Analysis

Jim Frome
Marketing Manager
Information Advantage
7905 Golden Triangle Drive
Eden Prairie, MN 55344-7227
USA
612-833-3700
612-833-3701 (fax)
jim.frome@infoadvan.com
http://www.infoadvan.com

Analysis is a Microsoft Windows interface to Information Advantage's DecicsionSuite Server. Analysis targets power analysis with blank-sheet-of-paper OLAP reporting capability. Analysis user point and click to author filters, calculations, reports, report templates, agents, triggers, and alerts and publish them for reuse by anyone connected to Decision-Suite Server using powerful multi-level workgroup security. Analysis users can navigate the entire warehouse by drilling or surfing in any direction, on any business dimension or attribute.

IRIX version compatibility: 5.3

Software Development Tools

Apex™

Amy Bayers
Marketing Manager
Paradigm Simulation, Inc.
14900 Landmark Boulevard
Suite 400
Dallas, TX 75240
USA
972-960-2301
972-960-2303 (fax)
amy@paradigmsim.com
**http://www.paradigmsim.
com**

Apex™ - APEX is an integrator-ready application fr flight simulation and harnesses the raw performance of Siliocn Graphics, Inc. Infinite Reality™ into a stable IG for operational flight trainers (OFT), weapons systems trainers (WST), and commercial flight simulators. APEX's complete development environment, Vega, allows you to tailor specific features to your program requirements.

Vega modules are also available to allow you to extend APEX for DIS networking, simulation of FLIR, marine effects, head-up and head-down displays, and instrumentation. And if your requirements include aural cueing, Paradigm's AudioWorks2 is the perfect solution.

Apex also includes real-time features such as clouds, ground fog, thunderstorms, generic airfields, special effects, and continuous paging. In additon, all common aviation lighting systems are supported.

Select from among several standard APEX databases, have us build a custom geotypical or geospecific database, or build your own (APEX accepts variety of database formats).

IRIX version compatibility: 6.2

ArchiText®

Darcy Harrison
Director of Marketing
Interactive Software
Engineering, Inc.
270 Storke Road
Suite 7
Goleta, CA 93117
USA
805-685-1006
805-685-6869 (fax)
darcyh@eiffel.com
http://www.eiffel.com

ArchiText® supports the development of documents in any language for which there is a LDL grammar. LDL (Language Description Language) may be viewed as an extended form of BNF, distinguishing between abstract and concrete syntax, and supporting multiple output formats. There is no restriction on the set of context-free grammars that can be described by LDL (e.g.. the grammar does not need to be LALR (k) or LL (k)).

LDL grammars are available for Pascal, Eiffel, Ada, C/C++, and smalltalk, and of course LDL itself. Users can write new grammars or tailor existing grammars to support in-house styles or documentation standards.

IRIX version compatibility:

BB(x)PROGRESSION/4™

Maile Foster
Marketing Services Mgr.
BASIS International Ltd.
5901 Jefferson Street, N.E.
Albuquerque, NM 87109-
3432
USA
505-345-5232
505-345-5082 (fax)
mfoster@basis.com
http://www.basis.com

The worldwide standard for Business BASIC programming, BB(x)PROGRESSION/4™ provides absolute portability of applications and data across all contemporary environments. It includes fast multi-keyed file systems, available client/server technology, and extensive business critical capabilities.

IRIX version compatibility:

Software Development Tools

BETEX QuickScript™

Tom Loechel
Partnership Management
Vicorp Interactive Systems, Inc.
11800 30th Court North
St. Petersburg, FL 33716
USA
818-572-9300
818-573-0607 (fax)
toml@talkpsi.com
http://www.talkpsi.com

BETEX QuickScript™ is a graphical service creation environment which allows for rapid development of large-scale, interactive voice, data, fax, and video services. The services created using QuickScript run on Vicorp's BETEX™ Enhanced Services Platform (BETEX-ESP), a comprehensive software platform with all the telecommunications interfaces and system management capabilities required for these services.

In QuickScript, high-level objects known as nodes provide the service-independent building blocks (SIBs) for any interactive service. QuickScript allows customers to set up even the largest and most complex interactive services with little or no programming.

Vicorp works closely with Tandem Computers Incorporated to meet the application development needs of telecommunication companies with QuickScript.

IRIX version compatibility: 5.3

BSAFE 3.0

Hoang Chau
Software Tests Engineer
RSA Data Security, Inc.
100 Marine Parkway
Suite 500
Redwood City, CA 94065
USA
415-595-8782
415-595-0866 (fax)
webmaven@rsa.com
http://www.rsa.com

BSAFE 3.0 is the newest release of the world's most popular cryptography toolkit. BSAFE 3.0 is a portable C programmers toolkit that allows developers to integrate state-of-the-art privacy and authentication features into virtually any application. BSAFE 3.0 provides the programmer with a complete palatte of the most popular and trusted algorithms, including Triple-DES, RCS and of course the patened RSA Security Public Key Crypto System™

IRIX version compatibility:

BasicScript™ 2.1 Toolkit for UNIX (IRIX Edition)

Bill Fisher
President
Summit Software Company
4933 Jamesville Road
Jamesville, NY 13078-9428
USA
315-445-9000
315-445-9567 (fax)
info@summsoft.com

BasicScript™ 2.1 Toolkit for UNIX (IRIX Edition) is an embedded scripting language for application developers for Silicon Graphics systems. Independent Software Vendors and corporate developers can easily integrate the BasicScript language, whose syntax is compatible with Microsoft Visual Basic for Applications (VBA), into their own IRIX applications, using the BasicScript APIs for compiling, executing, and debugging. BasicScript 2.0 is a cross-platform scripting language available for UNIX, Windows, Windows NT, MS-DOS, Macintosh, NetWare, and OS/2.

IRIX version compatibility:

Software Development Tools

BridgePoint™

Art Ingram
Vice President, Business
Development
Project Technology, Inc.
901-C Kildaire Farm Road
Cary, NC 27511
USA
919-460-1500
919-380-6463 (fax)
info@objective.com

Objective Spectrum's automation tools for the Schlaer-Mellor methodology are collectively referred to as BridgePoint™. Designed from the ground up to support design by translation, BridgePoint provides a complete automation solution. BridgePoint consists of three tools, which together elevate a development team from code writing to a graphical Object Oriented Analysis (OOA) environment.

* BridgePoint Analyst is an Object Oriented Analysis (OOA) modeling tool. Analyst guarantees the data collected is correct, consistent and complete. Complete code generation requires correctly formed data.

* BridgePoint Sim is a non-invasive behavioral simulation tool. Simulation helps eliminate otherwise costly system faults early in the process.

* BridgePoint Gen is a general purpose translation engine. Gen translates OOA graphical models into executable source code. User designed software architectures determine the resulting source code. Software architectures making use of any source code languarge (Ada, C, C++, Smalltalk...) and implementation characteristics (relational data base storage, multi-processors, multi-tasking, file storage,...) can be supported by BridgePoint Gen.

IRIX version compatibility:

Builder Xcessory™

Aubrey Harden
Integrated Computer
Solutions, Inc.
201 Broadway
6th Floor
Cambridge, MA 02139
USA
617-621-0060
617-621-9555 (fax)
harden@ics.com
http://www.ics.com/

Builder Xcessory™ is the market-leading Motif GUI builder tool- used for prototyping, developing, testing, and maintaining user interfaces. BX 3.5 is integrated with Developer Magic. BX provides support for developing fully internationalized and localized applications; support for large development projects with multiple developers; support for Xt features such as Work Procs, Event Handlers, and Timers; clean, fast, modular code generation of C, C++, UIL, and Ada; specific support for creating C++ classes and subclasses; and many ease-of-use features. BX is available for most UNIX platforms and VMS. There are no run-times or royalties associated with the generated code.

IRIX version compatibility:

C++/Views

Peter Ambrose
Support Director
Liant Software Corporation
959 Concord Street
Framingham, MA 01701
USA
508-872-8700
508-626-2221 (fax)
00000

C++/Views is the leading object-oriented application framework for developing native GUI programs that run on Microsoft Windows, Windows NT, OS/2, Macintosh or OSF/Motif. C++/Views includes a library of over 100 C++ classes that represent the entire range of GUI objects including interface components, graphics, data, strings, and more. Included is C++/Views Constructor, a unique development tool that lets you work visually with the C++/Views class library. The Constructor unites a visual interface builder with a class browser. This integration lets you easily connect portable resources to the underlying source code. No royalties or run-time fees. Source code is included.

IRIX version compatibility:

Software Development Tools

C/C++macs Programmer's Text Editor

Sue Glassberg
Sales Director
UniPress Software, Ltd.
2025 Lincoln Highway
Edison, NJ 08817
USA
908-287-2100
908-287-4929 (fax)
sue@unipress.com
http://www.unipress.com/

C/C++macs is the programmer's text editor designed specifically for developing and maintaining C and C++ programs on Silicon Graphics computers. X Window menus allow users to easily take advantage of all Emacs' features and those added for C and C++ -- even on non-graphics displays or optionally run from the command line. C/C++macs includes the MLisp programming language for customization, "zoom" for displaying code to a given nesting level, communication with the operating system through command shell windows, and context-sensitive help.

IRIX version compatibility:

CAPBAK/X™ 5.0

Rita Bral
VP, Marketing
Software Research, Inc.
625 Third Street
4th Floor
San Francisco, CA 94104
USA
415-957-1441
415-957-0730 (fax)
bral@soft.com
http://www.soft.com

CAPBAK/X™ is a client-server GUI capture/playback system for X-Windows. This newest addition to SR's Software TestWorks (STW)™ breaks new ground with powerful triple-mode testing: intermixable and switchable ObjectMode and TrueTime operation combined with Character Mode operation from its built-in OCR engine; interpreted C-language scripts; ultra-reliable TrueTime automatic output synchronization.

CAPBAK/X 5.0 also includes: Xvirtual to background your tests and to generate realistic, multi-user loads; Xdemo to send realistic live demos of your applicaiton into the field; Xflight for beta-site test/usage data collection plus field recovery of crash data.

IRIX version compatibility:

CASE*Designer®

Please contact local SGI
office/sales rep,
or call
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94605
USA
800-800-SGI1
http://www.oracle.com/

CASE*Designer® is part of Oracle's integrated CASE family that provides tools and methods to guide users through the entire system development lifecycle from identifying system needs to implementing the finished system. With a sophisticated, highly graphic user interface, CASE*Designer lets development teams create and maintain comprehensive, graphical models of the systems they build. With CASE*Designer, teams have the ability to better understand system information and improve productivity throughout the development process.

IRIX version compatibility:

CASE*Dictionary®

Please contact local SGI
office/sales rep,
or call
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94605
USA
800-800-SGI1
http://www.oracle.com/

CASE*Dictionary® is part of Oracle's integrated CASE family that provides tools and methods to guide users through the entire system development lifecycle from identifying system needs to implementing the finished system. A portable, multiuser repository, CASE*Dictionary helps organize and define the information gathered at each stage of the system lifecycle. With CASE*Dictionary's analysis, design, and implementation tools, users can specify systems precisely and unambiguously, eliminating errors early in the development process.

IRIX version compatibility:

Software Development Tools

CDADL®

Thomas Radi
President
Scientific Toolworks, Inc.
115 Etna Road
Suite 18A
Lebanon, NH 03766
USA
909-625-6147
909-626-9667 (fax)
http://www.scitools.com

CDADL®, a C-based PDL, helps programming in the large by improving both design quality and designer productivity. CDADL® analyzes both C pseudo-code and executable code to detect logic and syntax errors.

Available design reports include "pretty printed" output; object (set/use information), type and function cross-reference; invocation trees; declaration structure; and McCabe complexity. The CDADL® processor also works with DocGen-C to automate Mil/DoD documentation and TestGen-C to aid in developing test strategies and reviewing designs for each function.

IRIX version compatibility:

CLIM 2.0

Russell Goldsmith
Harlequin Limited
Longstanton House,
Woodside
Longstanton, CA CB4 5BU
UK
44-01954-785480
44-01954-785444 (fax)
russellg@harlequin.co.uk

The Common Lisp Interface Manager (CLIM) is a powerful Lisp-based programming interface that provides a layered set of portable facilities for constructing user interfaces. Version 2.0 of CLIM features a new adaptive toolkit consisting of a set of abstract interface gadgets that map directly onto the underlying window system.

CLIM 2.0 specifies the functional interface to the gadgets while hiding details of their appearance or operation. The interface is consistent across all underlying window systems. When a particular gadget does not have a representation in a given window system, CLIM provides portable software emulation.

The CLIM library is avialable with Harlequin's Lisp Works®.

IRIX version compatibility:

CLIM™

Sales Staff
Franz, Inc.
1995 University Avenue
Berkeley, CA 94704
USA
510-548-3600
510-548-8253 (fax)
info@franz.com
http://www.franz.com/

CLIM™, the Common Lisp Interface Manager, is a powerful, high level set of facilities for the development of portable graphical user interfaces. CLIM is the emerging standard for building sophisticated user interfaces in Common Lisp. CLIM provides a set of high level programming tools that communicate with the low level implementation language of the host system. Applications are portable because CLIM permits programmers to write applications that are independent of the underlying windowing systems toolkit.

IRIX version compatibility:

CONS Development System

Sales Department
IBUKI
P.O. Box 1627
Los Altos, CA 94022
USA
415-961-4996
415-961-8016 (fax)

CONS Development System is an integrated set of CASE tools that gives a Lisp programmer the same delivery and configuration options available to a C or FORTRAN programmer while retaining the power and development and advantages of Lisp. CONS makes it possible to (1) deliver Lisp applications as standard object modules fully linkable and callable from C and other languages, (2) produce customized Lisp runtimes systems for a Lisp application, (3) configure both Lisp runtime support and Lisp application as a sharable resource, (4) produce custom runtimes and applications in a machine independent form which can be targeted to almost any platform.

IRIX version compatibility:

Software Development Tools

Candela Color Management System©

John Grimaldi
President
Candela Ltd.
1676 East Cliff Road
Burnsville, MN 55337-1300
USA
612-894-8890
612-894-8840 (fax)
00000

The Candela Color Management System© is a "color toolbox" for software developers. You can create 3-D, non-linear, non-separable color transformations that are necessary for high-end color correction. This comprehensive library of C callable routines, color transformations, gamut mapping functions, image test targets and clearly written API is all you need to solve complex color calibration and color matching problems. You can implement Candela ColorCircuits® for the highest precision speed transformations. The CCMS is available to qualified developers.

IRIX version compatibility:

Continuus/PT

Kevin Strehlo
Director, Product Mktg
Continuus Software
Corporation
108 Pacifica, Second Floor
Irvine, CA 92718-3332
USA
714-433-2200
714-453-2276 (fax)
info@continuus.com
http://www.continuus.com

Continuus/PT is designed to address both change requests and bug reports, supporting new development in addition to maintaining existing software. Continuus/PT gives a software engineering team complete visibility and control of engineering change requests throughout the phases of design, source code development, testing, maintenance, and documentation. Continuus/PT, although available separately, is designed to work with Continuus's leading product, Continuus/CM, a comprehensive, feature-rich, object-oriented Software Configuration Management (SCM) system with an open architecture for tool integration. The products are designed to support medium to large scale UNIX development teams running in a heterogeneous, distributed computing environment.

IRIX version compatibility:

Cross-Platform Toolset™

Sharon Hunter
Marketing Communications
Visual Edge Software Ltd.
3950 Cote Vertu
Suite 100
St. Laurent, PQ H4R 1V4
Canada
514-332-6430
514-332-5914 (fax)
info@vedge.com
http://www.vedge.com

The Cross-Platform Toolset™ (CPT) is a library of cross-platform GUI objects that works in conjunction with UIM/X 2.9. It enables you to create application interfaces on any Java-enable platform.

Available as an add-on to UIM/X, the Cross-Platform Toolset™ components are seamlessly integrated into the UIM/X palatte, and can be intermixed freely with custom and third-party components. This integration gives developers access to the full power of UIM/X's object-oriented architecture to interactively build cross-platform interfaces made up of reusable object classes. Using the toolset's CORBA-compliant components, developers gain the benefits of cross-platform, object-oriented programming using the C or C++ languages. Moreover, they can make the transition from C to C++ at any time - assured of 100% investment protection.

IRIX version compatibility: 5.3

Cygnus Developer's Toolkit

Sales Department
Cygnus Solutions
1325 Chesapeake Terrace
Sunnyvale, CA 94089
USA
408-542-9600
408-542-9699 (fax)
info@cynus.com
http://www.cygnus.com/

The Cygnus Developer's Toolkit consists of the highly optimized GNU C compiler, C++ compiler, debugger, with GUI macro-assembler, and a set of powerful binary utilities. Cygnus' GNU tools provide an industry standard, low-cost development solution hosted on SGI's IRIS for native or cross development targeting the MIPS R3000 or R4000 family of microprocessors. GNU tools from Cygnus come in source code form, are freely redistributable, and have no license managers. This freedom and Cygnus's qualified technical support, eliminates many problems typically found in porting and maintaining "off the shelf" development solutions.

IRIX version compatibility:

Software Development Tools

DB/C

Donald Wills
Vice President
Subject, Wills & Company
1420 Kensington Road
Suite 110
Oak Brook, IL 60521
USA
708-572-0240
708-572-0390 (fax)
don.wills@swc.com

DB/C is a full implementation of the DATABUS language. Multiuser support with file sharing and locking is standard. Features include: indexed, associate, sequential and random access with compression; full screen support including highlighting, subwindowing, and all standard KEYIN/DISPLAY features; full support for function keys, arrow keys, etc.

Sixteen utilities are included. They are: AIMDEXX, BUILD, CHAIN, COPY, CREATE, DELETE, DUMP, EDIT, ENCODE, FILECHK, INDEX, LIBRARY, LIST, REFORMAT, RENAME, AND SORT.

The compiler (DBCMP) is a fast one pass compiler. Programs compile in excess of 30,000 lines per minute.

A comprehensive set of reference manuals is included or is available separately.

IRIX version compatibility:

DataFlo MP - Multiprocessor Software

Jimmy Sorrells
Director of Sales
Axiom Technology, Inc.
115 Murry Drive
Madison, AL 35758
USA
205-722-0075
205-721-0805 (fax)
info@axiomtech.com
http://www.axiomtech.com

DF Multiprocessor is a complete graphical environment for creating, debugging, and executing applications on multiprocessor systems. Users choose functions from an extensive set of libraries containing hundreds of processing functions. Functions are represented as icons which are connected together to form a block diagram called a graph. Graphs can be executed on uniprocessor or multiprocessor Silicon Graphics workstations. DF Multiprocessor has an integrated set of data visualization and editing tools for creating and debugging applications graphically. DataFlo provides full PostScript® and EPSF output capability for printing or saving applications and data.

IRIX version compatibility:

DataViews

Kevin Hassett
Product Mktg. Specialist
DataViews Corporation
47 Pleasant Street
Northampton, MA 01060
USA
413-586-4144
413-586-3805 (fax)
kevin@dvcorp.com
http://www.dvcorp.com/

The leading programming tool for building graphics to monitor and control real-time processes--and its other interface development tools, integrate state-of-the art techniques for creating animated objects and screens. Custom front ends developed with DataViews are embedded in mission-critical applications ranging from process control and industrial automation to command and control and network management.

The animated interface depicts user-defined operations in real-time, allowing instantaneous analysis and regulation of even the most sophisticated processes. Interfaces typically consist of objects to capture user input and, more importantly, real-time data output displays for use in application monitoring.

IRIX version compatibility:

Database Translation Software

Mark Lambert
President
Mind's Eye Graphics, Inc.
115 Shockoe Slip
Richmond, VA 23219
USA
804-643-3713
804-643-3738 (fax)

Mind's Eye Graphics has developed a line of translation software to allow a wide variety of application software packages to exchange polygonal and image databases. Typically, this translation software has been used for importing data into high-end animation software such as Wavefront™ or Alias. The translators are available as standalone compiled products or as source code toolkits for use by other Silicon Graphics® developers. Currently supported formats include Wavefront, AutoCAD® DXF, Cubicomp, Intelligent Light, Alias, ARRIS™, Velocity, Vertigo™, McDonnel Douglas GDS, Prisms, and Pixar Renderman™.

IRIX version compatibility:

Software Development Tools

Database Xcessory™

Aubrey Harden
Integrated Computer
Solutions, Inc.
201 Broadway
6th Floor
Cambridge, MA 02139
USA
617-621-0060
617-621-9555 (fax)
harden@ics.com
http://www.ics.com/

Database Xcessory™ speeds client/server application development with its WYSIWYG user interface development environment. Developers work faster because they can build complex C and C++ database applications using drag and drop.

Database Xcessory applications get their database functionality from a set of Motif-based SQL widgets. The widgets work closely together to generate SQL queries at runtime, pass the queries to a database server, and automatically format the results on the user interface.

Prior to Database Xcessory developers were forced to choose between the productivity of 4GL solutions and the performance and scalability of 3GLs like C, C++, and SQL.

IRIX version compatibility:

DecisionSuite Server

Jim Frome
Marketing Manager
Information Advantage
7905 Golden Triangle Drive
Eden Prairie, MN 55344-
7227
USA
612-833-3700
612-833-3701 (fax)
jim.frome@infoadvan.com
http://www.infoadvan.com

DecisionSuite Server is the heart of informaiton Advantage's thin-client Relational OLAP (ROLAP) technology. DecisionSuite Server features the industry's only proven Relational OLAP Engine to scale beyond 1 Terabyte databases and 100 concurrent users by optimizing join, aggregation, and calculation processing between the RDBMS and Information Advantage's external ROLAP Engine. DecisionSuite Server provides unprecedented support for large, product-centric data warehouses commonly found in CPG, Retail and Pharmecutical Inductries and large, customer-centric data warehouses commonly found in Financial Services, Insurance, and Telecommunications. DecisionSuite Server also provides unparalleled support for server based intelligent agent processing. "Live" report ditribution, an multi-level workgroup security.

IRIX version compatibility: 5.3

DesignAnalyst™

Kim Penton
Marketing Director
CIMLINC, Inc.
1699 Stutz Road
Troy, MI 48084
USA
810-649-0240
810-643-7185 (fax)
800-225-4973 (tollfree)
kim.penton@cimlinc.com
http://www.cimlinc.com/
msg/

Designs come to you from a variety of design systems and are produced by customers with varying levels of expertise. How can you be sure that each model's surface is flawless and that it has been designed for manufacturability? The answer is DesignAnalyst™ from CIMLINC.

DesignAnalyst provides a cost-effective way to examine the surface quality of a tool or product design model long before it reaches the shop floor. By quickly identifying manufacturability or product design problems such as:

- Undesirable parting line locations
- Inappropriate draft angle conditions
- Imperfections in product designs
- Missing or insufficient corner radii

you can:

- Accelerate the production process
- Improve tool quality
- Reduce the risk and expense of tool rework

These DesignAnalyst advantages add up to worry-free machining, top-quality tooling and rising profits - everything you need to stay on top in a tough industry.

IRIX version compatibility:

Software Development Tools

Distributed Discovery ™

Nick Zincone
Project Manger
Visible Decisions, Inc.
200 Front Street West
Suite 2203, P.O. Box 35
Simcoe Place
Toronto, ON M5V 3K2
Canada
416-595-6282
416-595-7292 (fax)
nick@vizbiz.com
http://www.vdi.com/

Distributed Discovery™ allows interactive 3-D information vizualization applications to be published to internal and external webs. End-users with standard VRML browsers on their desktop can operate these applications. Distributed Discovery acts as a server that accesses data from whatever source, automatically creates 3-D landscapes to poeple browsing the web, and allows them to interactively query the landscapes.

IRIX version compatibility:

DocGen®

Thomas Radi
President
Scientific Toolworks, Inc.
115 Etna Road
Suite 18A
Lebanon, NH 03766
USA
909-625-6147
909-626-9667 (fax)
http://www.scitools.com

DocGen® works with ADADL® processor to automate generation of DoD-Std, NASA, and custom documentation for Ada programs. Ada/ADADL designs (Ada source code and any Ada/PDL annotations) are analyzed to extract information such as inputs, outputs, local/global data, interrupts, exceptions, and invocations required by typical documentation formats. DocGen assembles this information into a user-specified format and produces an ASCII file which is compatible with most text/word processing systems (nroff, Runoff, INTERLEAF, LaTex). Sample formats are provided for many documents including preliminary and detailed versions of the Dod-Std-2167A Software Design Document (SDD).

IRIX version compatibility:

DocGen®-C

Thomas Radi
President
Scientific Toolworks, Inc.
115 Etna Road
Suite 18A
Lebanon, NH 03766
USA
909-625-6147
909-626-9667 (fax)
http://www.scitools.com

DocGen®-C can automatically generate documentation (DoD-Std-2167A SDD, NASA/ SMAP, user-defined) directly from information contained in C source files. The output documentation is contained in an ASCII file which is compatible with a variety of text/ word processors.

DocGen®-C works with CDADL® (C Design And Documentation Language) processor to extract relevant information from the source code. Details such as inputs, outputs, local and global data, invocations, and called-by are extracted from the code and enhanced using comment compatible PCL extensions. DocGen®-C assembles this information in accordance with user-specified formats.

IRIX version compatibility:

Software Development Tools

EDISON™

Diane Connolly
Technical Consulting
Specialist
Template Graphics
Software, Inc.
9920 Pacific Heights Blvd.
Suite 200
San Diego, CA 92121-4331
USA
619-457-5359
619-452-2547 (fax)
info@tgs.com
http://www.sd.tgs.com/
~template

EDISON™ seamlessly integrates a collection of sophisticated software modules that enhance and extend your 3D graphics programming capabilities. Through EDISON's transparent two-way link with Open Inventor, you can tap into modules such as the SHAPES Geometric Computing System or volumetric rendering. These extensions will exponentially increase your specific 3D problem-solving capabilities to handle the most complex modeling and visualization projects. EDISON and its corresponding software modules provide an expandable framework to amplify your capabilities using Open Inventor today--and prepare you to take advantage of additional extensions offered by Template Graphics in the future.

IRIX version compatibility:

EDT+™

Elaine Bedard
Corporate Sales Manager
Boston Business
Computing, Ltd.
13 Branch Street
Methuen, MA 01844-1955
USA
508-725-3222
sales@bbc.com
http://www.bbc.com

EDT+™ 6.0, a full screen text editor, implements all the features of VAX EDT on UNIX and MS-DOS including Gold-key and entity editing, user-defined keys, column cut/paste, disaster recovery, command macros, global search and replace, insert/overwrite modes, cut/paste, word wrap, start-up command files, on-line help, extended ASCII character set, 132-column mode, and keypad, nokeypad, and line modes. With multiple buffers, you can edit as many as 80 documents simutaneously. Maximum file size is 4,000 characters wide and 16 million lines long.

IRIX version compatibility:

EMPOWER™

Mary Ellen Briggs
PERFORMIX, Inc.
8200 Greensboro Drive
Suite 1475
McLean, VA 22102
USA
703-448-6606
703-893-1939 (fax)
mel@performix.com

Load testing with EMPOWER™ offers assurance by providing insight about an application's behavior in multi-user mode. Widely recognized as the best-of-breed solution, EMPOEWER eliminates guesswork about multi-user quality, performance and scalability by emulating users and subsequently analyzing the effect of these users on an application.

EMPOWER is available for many types of architecture - from simple character applications to multi-tier client/server superstructures. EMPOWER for client/server applications is the only load testing tool that incorporates advanced Script-and-Go technology to capture SQL traffic between a PC and server.

IRIX version compatibility:

Software Development Tools

EiffelBase

Darcy Harrison
Director of Marketing
Interactive Software
Engineering, Inc.
270 Storke Road
Suite 7
Goleta, CA 93117
USA
805-685-1006
805-685-6869 (fax)
darcyh@eiffel.com
http://www.eiffel.com

EiffelBase is a set of libraries of basic classes for object-oriented software development. The Kernel Library covers the most common programming needs. It consists of universal classes providing facilities which are potentially useful for all classes. It provides fine control of the exception handling mechanism. The Support Library provides a number of classes that extend the language and environment facilities, enabling programmers to develop advanced uses of Eiffel. The Data Structure Library provides implementations of fundamental data structures and algorithms such as abstract structures, list elements, circular chains, etc. The Iterators Library provides high-level templates that avoid using control structures are more easily modified in descendant classes. The Winpack Library supports multi-windowing applications development on character-based terminals.

IRIX version compatibility:

EiffelBench

Darcy Harrison
Director of Marketing
Interactive Software
Engineering, Inc.
270 Storke Road
Suite 7
Goleta, CA 93117
USA
805-685-1006
805-685-6869 (fax)
darcyh@eiffel.com
http://www.eiffel.com

EiffelBench is a complete object-oriented software development environment enabling a seamless approach to software engineering. EiffelBench consists of an advanced compiler and various tools. The "Melting Ice Technology," a combination of compilation and interpretation during the development cycle, enables the developer to see the result of a change in seconds. This quick compilation achieves a fast change, test, debug and execution cycle. EiffelBench features automatic dependency analysis (no more "make files") source level debugging with break points, step-by-step execution and object inspection. EiffelBench includes powerful object-oriented editing and browsing tools on system, class, routine and object levels. The compiler produces self-contained, fast, compact and portable C code for cross platform development. ISE Eiffel 3 is currently supported on all major UNIX platforms, VMS, Mac, AIX, NeXT, and Windows.

IRIX version compatibility:

EiffelBuild

Darcy Harrison
Director of Marketing
Interactive Software
Engineering, Inc.
270 Storke Road
Suite 7
Goleta, CA 93117
USA
805-685-1006
805-685-6869 (fax)
darcyh@eiffel.com
http://www.eiffel.com

EiffelBuild is an application and interface builder for rapid development of quality graphical user interfaces for various X-Windows toolkits, such as Motif, Openlook, as well as Windows for Macintosh. EiffelBuild permits the interactive design and development of user interfaces and applications. A high quality user interface, based on powerful drag-and-drop facilities, makes EiffelBuild an efficient easy to learn tool. EiffelBuild allows the construction of modes by moving icons to associate commands with events contexts. It completes applications by visually constructing the transitions between modes. The application builder has the ability to specify not just the interface but the underlying application semantics. EiffelBuild generated clear, readable and maintainable Eiffel code. It takes advantage of the powerful "Melting Ice Technology," an incremental compilation technique to achieve fast re-execution cycles.

IRIX version compatibility:

Software Development Tools

EiffelCase

Darcy Harrison
Director of Marketing
Interactive Software
Engineering, Inc.
270 Storke Road
Suite 7
Goleta, CA 93117
USA
805-685-1006
805-685-6869 (fax)
darcyh@eiffel.com
http://www.eiffel.com

EiffelCase is an object-oriented analysis and design workbench and CASE tool. It covers the full life cycle of software modeling, architectural design and user-developer communication. It assists in preparing, documenting and tracking identified object-oriented system elements and their relationships from preliminary specifications to the programming phase. EiffelCase helps to build and display multiple views: type charts, graphics, formal text. It guarantees inter-view compatibility through automatic update procedures. Based on BON (Better Object Notation), EiffelCase provides a clear notation and a set of methodological guidelines for high level Analysis & Design with precision, scalability and clarity. EiffelCase handles Analysis & Design project documentation and prints it to standardized document structure.

IRIX version compatibility:

EiffelStore

Darcy Harrison
Director of Marketing
Interactive Software
Engineering, Inc.
270 Storke Road
Suite 7
Goleta, CA 93117
USA
805-685-1006
805-685-6869 (fax)
darcyh@eiffel.com
http://www.eiffel.com

EiffelStore provides a set of classes for writing object-oriented applications that need to handle persistent objects. It handles interfacing with several standards DBMS (Oracle, Sybase, Versant) ensuring true portability of database applications. Depending on generality and performance requirements and its dependence on external data formats, EiffelStore enables programming at any of three interface levels: EiffelStore layer - encapsulates general primitives that manage the object manipulation session and deal with high-level persistency primitives. Standard layer - offers an implicit storage mechanism and enables easy storage and retrieval of networks of objects into files. DBMS layer - allows to store and retrieve objects into and from different data base.

IRIX version compatibility:

EiffelVision

Darcy Harrison
Director of Marketing
Interactive Software
Engineering, Inc.
270 Storke Road
Suite 7
Goleta, CA 93117
USA
805-685-1006
805-685-6869 (fax)
darcyh@eiffel.com
http://www.eiffel.com

EiffelVision is an advanced multiple-GUI portable graphics class library which addresses all major needs for developers of system supporting modern graphical interfaces. EiffelVision provides programmers with comprehensive, reliable and easy to use graphical tools. It ensures true portability from and to graphical user interface (GUI) toolkits such as Openlook and Motif without changing one line of code and without having to learn the details of the toolkits and their C interfaces. EiffelVision works in terms of high level abstractions representing windows, resources, graphical figures, etc. and clearly applies understandable operations to the corresponding objects. It allows the combination of "interface objects" and "graphical objects," providing a comprehensive set of tools for user interface design.

IRIX version compatibility:

Software Development Tools

ExpertCAD™

Kim Penton
Marketing Director
CIMLINC, Inc.
1699 Stutz Road
Troy, MI 48084
USA
810-649-0240
810-643-7185 (fax)
800-225-4973 (tollfree)
kim.penton@cimlinc.com
http://www.cimlinc.com/
msg/

ExpertCAD™ provides engineers with a highly productive tool to take design ideas all the way through the manufacturing process through a shared library of data with CIMLINC's CAM and 3D design application packages. ExpertCAD is used to create part and assembly drawings. Construction line techniques provide engineers with quick and accurate means of creating part geometries. Robust detailing and dimensioning features enhance the creation of complete drawings through and easy to learn Graphical User Interface (GUI).

IRIX version compatibility:

ExpertCAM™

Kim Penton
Marketing Director
CIMLINC, Inc.
1699 Stutz Road
Troy, MI 48084
USA
810-649-0240
810-643-7185 (fax)
800-225-4973 (tollfree)
kim.penton@cimlinc.com
http://www.cimlinc.com/
msg/

ExpertCAM™ supports 2 1/2-axis contouring and 5-axis positioning for milling applications. It also supports 2- and 4-axis lathe programming. It also provides flame cutting and punching modules. With ExpertCAM, complex machining sequences can be defined and verified in any standard, isometric or user-defined view. The software provides the ability to graphically represent tooling, fixtures, clamps, heads and turrets, tables and other devices used in the machining process. This product is also supported by a complete line of custom post processors for various machine tools.

IRIX version compatibility:

FORGE® 90 Distributed Memory Parallelizer (DMP)

John Levesque
President
Applied Parallel Research,
Inc.
1723 Professional Drive
Sacramento, CA 95825
USA
916-481-9891
916-481-7924 (fax)
levesque@apri.com
http://www.infomall.org/
apri

FORGE® 90's Distributed Memory Parallelizer spreads loops and distributes data arrays for MIMD architectures interactively. The parallelized program is fully scalable, with calls to APR's parallel runtime library, interfacing any of the popular communication packages such as PVM, MPI, or native message passing systems.

With FORGE's SPMD (Single Program, Multiple Data) parallelization strategy, the same program runs on each processor while selected DO loops are re-written to automatically distribute their iterations across the processors.

IRIX version compatibility:

Software Development Tools

FORGE® 90 Shared Memory Parallelizer (SMP)

John Levesque
President
Applied Parallel Research, Inc.
1723 Professional Drive
Sacramento, CA 95825
USA
916-481-9891
916-481-7924 (fax)
levesque@apri.com
http://www.infomall.org/apri

FORGE® 90's Shared Memory Parallelizer (SMP) performs interprocedural analysis. Unlike parallelizing compilers that fail to parallelize the most important DO loops in your program, it can handle loops that call subroutines. SMP's strategy is to parallelize for high granularity by analyzing outermost loops first. It analyzes array and scalar dependencies across subprogram boundaries by tracing references through the database up and down the call tree. The result is a parallelized source code with compiler-specific directives inserted for scoping variables and for identifying Critical and Order regions of code.

IRIX version compatibility:

FORGE® 90 xHPF Pre-compiler

John Levesque
President
Applied Parallel Research, Inc.
1723 Professional Drive
Sacramento, CA 95825
USA
916-481-9891
916-481-7924 (fax)
levesque@apri.com
http://www.infomall.org/apri

xHPF is an independent batch command program that provides the capability to parallelize programs written in Fortran 90. xHPF transforms the Fortran program with HPF Data Distribution Directives into a Fortran 77 program with parallelized loops that calls the SPR parallel runtime library.

xHPF accepts the Subset HPF Data Distribution Directives TEMPLATE, ALIGN, and DISTRIBUTE, as well as optional APR (Applied Parallel Research) directives for loop selection and optimization. Directive validity and consistence are checked against the source code, and the loops accessing distributed data arrays are parallelized using a SPMD (Single Program, Multiple Data) model of parallelism. The same program runs on each processor while selected loops are rewritten to automatically distribute their iterations across the processors. The resulting Fortran 77 program calls the APR parallel runtime library to interface to PVM for execution on the clustered workstation.

IRIX version compatibility:

FontTastic™ Software Developers Kit

Margaret Bradford
Customer Service Representative
Gallium Software, Inc.
303 Moodie Drive
Suite 4000
Nepean, ON K2H 9R4
Canada
613-721-0902
613-721-1278 (fax)
info@gallium.com

FontTastic™ is a family of products that brings sophisticated font capabilities, such as Type 1 and TrueType formats, to the UNIX®/X11 environment. The FontTastic SDK satisfies the requirements of software developers who need to provide features such as cross platform (Mac, MS-Windows and UNIX) font fidelity; the ability to display specialty fonts such as non-latin fonts or special symbols; or simply to allow their customers to use off-the-shelf fonts. Included in the SDK is the Font Server, the Font Application Programming Interface and the Font Manager.

IRIX version compatibility:

Software Development Tools

Forms Library

M. Overmars
Professor
Utrecht University
Dept. of Computer Science
PO Box 80.089
3508 TB Utrecht,
Netherlands
011-31-30-533736
011-31-30-513791 (fax)
markov@cs.ruu.nl

The Forms Library is a collection of C routines for defining and interacting with graphical user interfaces. The package makes it very easy to define the forms with buttons, sliders, type-in fields, etc., which an application program uses to correspond with a user. An interactive form designer is provided to construct forms in a very simple way using the mouse. The package is public domain and can be used both in C and in C++ programs. It comes with extensive documentation and about 40 demo programs.

IRIX version compatibility:

FortranEmacs Programmer's Text Editor

Sue Glassberg
Sales Director
UniPress Software, Ltd.
2025 Lincoln Highway
Edison, NJ 08817
USA
908-287-2100
908-287-4929 (fax)
sue@unipress.com
http://www.unipress.com/

FortranEmacs is a language-sensitive programmer's text editor designed specifically for developing and maintaining Fortran programs on Silicon Graphics computers. Multi-window and full-screen, FortranEmacs features all of the commands and functionality of Uni-Press Emacs plus Fortran-specific functions including parentheses and braces checking and syntax expansion. Fortran constructs contain bubbles, which "pop" when characters are typed into them. FortranEmacs' special tags package helps manage projects involving multiple source files. FortranEmacs includes the MLisp programming language for customization, "zoom" for displaying code to a given nesting level, communication with the operating system through command shell windows, and context-sensitive help.

IRIX version compatibility:

Frame® Developer's Kit™

Mark Hamilton
Marketing Manager
Adobe Systems, Inc.
345 Park Avenue
San Jose, CA 95110-2704
USA
408-975-6171
408-975-6749 (fax)
http://www.adobe.com/

The Frame® Developer's Kit™ (FDK) is a development tool that allows users to extend, customize, and create value added applications around FrameMaker® 4, and Frame-Builder®, FDK-based extensions can be as simple as adding a new menu item, or as complex FrameView® 4, as building a totally new application around the Frame formatting engine. The Frame Developer's Kit consists of a set of cross platform development tools including: Frame Application Program Interface™ (API) and the Frame Development Environment™ (FDE). The Frame API allows users to write intergrated applications that communicate with Frame objects and sessions directly. The FDE provides a platform-independent environment where applications can be ported simply by recompiling.

IRIX version compatibility:

G2 Diagnostic Assistant (GDA)™

David Siegel
Gensym Corporation
125 CambridgePark Drive
Cambridge, MA 02140
USA
617-547-2500
617-547-1962 (fax)
info@gensym.com
http://www.gensym.com

Gensym's G2 Dignostic Assistant (GDA)™ offfers a visual programming environment for building intelligent process management and diagnostic applications. With capabilities like fuzzy logic, statistical trending, evidence combination, alarm filtering, and on-line advice, GDA provides a powerful system for predicting and identifying process problems and assisting engineers and operators in making intelligent decisions in complex situations.

IRIX version compatibility:

Software Development Tools

G2®

David Siegel
Gensym Corporation
125 CambridgePark Drive
Cambridge, MA 02140
USA
617-547-2500
617-547-1962 (fax)
info@gensym.com
http://www.gensym.com

G2® is a tool for developing real-time expert systems for complex applications that require continuous and intelligent monitoring, diagnosis, and control. It is designed for a wide range of real-time applications in fields such as process control, telecommunications, manufacturing, medicine, aerospace, finance, and robotics. In addition to its real-time capabilities, G2 is a unique tool for general on-line applicaiton development and deployment, as well as for systems integration. G2 combines powerful software features--such as real-time execution, heuristic and procedural reasoning, dynamic simulation, user and database interface capabilities--into a single, easy-to-use package.

IRIX version compatibility:

GENENT

Laurent Fritz
Ingenieur
CESTA
37 avenue du General de
Gaulle
Bruz, 35170
France
33-1-99-52-93-14
33-1-99-57-91-67 (fax)

GENENT is a tool improving the software quality of source files of a complex application. By means of lexical and syntactic analysis, GENENT generates some headers of formalized comments inside source files. For a file, the header gives general information. For a function, it describes and orders called/calling functions, input/output arguments, global and local variables. The user can complete these comments if necessary by adding text in the headers. These adjustments will be saved at the next pass of GENENT. GENENT is a reverse-engineering tool, helping programmers to comment rapidly source code. GENENT applies to FORTRAN and soon to C source files.

IRIX version compatibility:

GNU Debugger with graphical user interface from Cygnus Support

Sales Department
Cygnus Solutions
1325 Chesapeake Terrace
Sunnyvale, CA 94089
USA
408-542-9600
408-542-9699 (fax)
info@cynus.com
http://www.cygnus.com/

GDB is the natural tool for debugging applications developed using GCC or G++. The addition of GUI GDB to the Cygnus Developer's Kit, provides a common graphical interface for debugging and offers consistent functionality with all 65+ host/target platforms supported by Cygnus. The availability of source code makes GDB customizable, easing implementation and use with the GNU compilers. Debugging applications developed using the GNU compilers, hosted on SGI's IRIS, further enables engineering teams targeting the MIPS R3000 or R4000 family of microprocessors. GDB is a source-level debugger, providing excellence of design and a high degree of scalability.

IRIX version compatibility:

GNU G++ Compiler from Cygnus Support

Sales Department
Cygnus Solutions
1325 Chesapeake Terrace
Sunnyvale, CA 94089
USA
408-542-9600
408-542-9699 (fax)
info@cynus.com
http://www.cygnus.com/

G++ enables object-oriented, native and cross platform development hosted on over 15 platforms, including SGI's IRIS. The availability of G++ for cross platform development further enables portability of the GNU toolset, targeting the MIPS R3000 and R4000 family of microprocessors. G++ generates machine code directly, bypassing an intermediate translation into C. G++ provides efficient, meaningful symbolic debugging information and uses the same back-end and highly-optimizing code-generator used by the GNU C compiler. G++ has been tracking the ANSI G++ draft since 1990 and is expected to be ANSI-conformant when the draft becomes an ANSI standard.

IRIX version compatibility:

Software Development Tools

GenSoft™

Ravi Venugopal
Chief Scientist
Dynacs Engineering
Company, Inc.
28870 U.S. Highway 19
North
Suite 405
Clearwater, FL 34621
USA
813-725-3899
813-726-4755 (fax)
marketing@dynacs.com
http://www.dynacs.com

GenSoft™ V1.0 is a unique development tool that automatically generates ANSI standard C and FORTRAN 77 source code from vector, matrix and dyadic based mathematical expressions. GenSoft supports the development of software applications where the translation of the underlying algorithms into a codeable form is tedious and error prone.

Application area are numerous and encompass any discipline where vector, matrix and dyadic formulations are used to describe the problem. Gensoft simplifies the generated source code to minimize floating point operations. Facilities to integrate your existing applications are provided and no license restrictions are placed on the generated source code.

IRIX version compatibility: 5.2, 5.3, 6.0

Geometry Handling Library (GHL)

Tohru Hasegawa
Manager
Software Research
Associates, Inc.
2-26-15, Minami-Otsuka
Toshima-ku
Tokyo, 170
Japan
81-3-3942-4400
81-3-5395-2982 (fax)
hasegawa@sra.co.jp
http://www.pml.co.jp/

GHL (Geometry Handling Library) is a library of geometric functions (2-D and 3-D). This library handles operations pertaining not only to mechanical and CAD/CAM requirements, but also to general design applications that handle shapes. The library includes functions for calculating analytical and free-formed shapes, including NURBS, with high reliability and precision.

Examples of shape generation include evaluation of generated geometric elements, intersection of any combination of analytical and free-formed shapes, offsetting and filleting (2-D and 3-D), etc.

The library, written in standard C, is portable to most workstations and personal computers under various operating systems, and includes over 1,500 routines.

IRIX version compatibility: 5.x, 6.2

GrafGen® - Graphical Reverse

Thomas Radi
President
Scientific Toolworks, Inc.
115 Etna Road
Suite 18A
Lebanon, NH 03766
USA
909-625-6147
909-626-9667 (fax)
http://www.scitools.com

GrafGen® provides reverse engineering of Ada or C designs and code. The reverse engineering capability provides graphic output displays for existing Ada or C programs.

The GrafGen® reverse engineering tools display up to nine different views of the Ada or C program, including:

- Ada package structure and visible entities (similar to "Booch diagrams" and "Buhr Diagrams")
- Invocation structure tree (who calls whom, who is called by whom, with or without parameters)
- Ada dependencies ("withed" structures) and visible objects and types

GrafGen® produces output displays for X11 devices, Tektronix 4014 Terminals/Emulators, PostScript® compatible devices (laser printer), and Sun 3 or Sun 4 terminals.

IRIX version compatibility:

Software Development Tools

Hindsight®

Jeff Jenks
Dir., Sales & Marketing
IntegriSoft, Inc.
44 Airport Parkway
San Jose, CA 95110
USA
408-441-0200
408-441-8751 (fax)
jjenks@integrisoft.com

Hindsight® is a suite of software development, testing and QA tools designed specifically for UNIX environments. Hindsight helps developers visualize the structure and logic of their source code, measure test coverage, create module test programs, calculate code metrics and generate more than 100 reports.

IRIX version compatibility:

HyperHelp™

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

HyperHelp™ allows software developers to add hyper-text to their applications quickly and easily; and it provides their customers with user friendly, on-line, context-sensitive help. HyperHelp combines a simple user interface resembling Microsoft Windows Help, with many powerful features. HyperHelp is used by both developers porting from MS Windows and developing for native Motif/OpenLook applications.

Macro functions enable the developer to customize and enhance the look and feel of the viewer; and actually execute other programs from HyperHelp, including multi-media programs. Also supported for both Motif and OpenLook are tables, non-scrolling regions, and keyword and full text search.

IRIX version compatibility:

IBUKI Common Lisp (IBCL)

Sales Department
IBUKI
P.O. Box 1627
Los Altos, CA 94022
USA
415-961-4996
415-961-8016 (fax)

IBUKI Common Lisp (IBCL) is a complete implementation of the Common lisp standard. IBCL comes with full development environment, which includes a compiler, an interpreter, an error and condition handling system, a frame-based debugger, and a rich foreign function interface for calling programs written in C and FORTRAN.

IBCL is the smallest, least expensive and fastest version of Common Lisp on workstations. IBUKI's policy of licensing IBCL source codes allows application developers to customize IBCL to fit the needs of their products.

IRIX version compatibility:

ICS EnhancementPak for OSF/Motif™

Aubrey Harden
Integrated Computer
Solutions, Inc.
201 Broadway
6th Floor
Cambridge, MA 02139
USA
617-621-0060
617-621-9555 (fax)
harden@ics.com
http://www.ics.com/

The ICS EnhancementPak is an advanced set of MotifTM) widgets which enhance the usability of OSF/Motif applications. The ICS EnhancementPak gives a user interface developer the tools which improve the end-user access to application features and functionality. In addition to improving the application, the product will save the developer time, money, and because they have been extensively tested and used in commercial applications, eliminate a potential source of bugs. The EnhancementPak widgets include: Button Box, Color Selector, Combination Box, Internationalized Extended List, Font Selector, Hierarchy, Icon Box, Icon Button, Outline, Paned, Panner, Pixmap Editor, Porthole, Stretch, Toolbar, and Tree. Binaries and source are available. There are no run-times or royalties for applications built with the EnhancementPak.

IRIX version compatibility:

Software Development Tools

ILOG SOLVER/SCHEDULE

Larry Dorie
Dir, Business Development
ILOG Inc.
2005 Landings Drive
Mountain View, CA 94043
USA
415-390-9000
415-390-0946 (fax)
dorie@ilog.com
http://www.ilog.com/

ILOG SOLVER/SCHEDULE is a C++ component employing constrant based reasoning to solve combinatoral problems including: scheduling, configuration, logistics optimization and design.

IRIX version compatibility:

InfoAlert

Jim Frome
Marketing Manager
Information Advantage
7905 Golden Triangle Drive
Eden Prairie, MN 55344-
7227
USA
612-833-3700
612-833-3701 (fax)
jim.frome@infoadvan.com
http://www.infoadvan.com

InfoAlert is a MicroSoft Windows interface to Information Advantage's DecisionSuite Server. InfoAlert delivers critical "live" information and exception reports to busy decision making professionals. InfoAlert users can drill up, down, across any dimension and export results with a spreadsheet or graphing package hot-link.

IRIX version compatibility: 5.3

InterMAPhics®

Margaret Bradford
Customer Service
Representative
Gallium Software, Inc.
303 Moodie Drive
Suite 4000
Nepean, ON K2H 9R4
Canada
613-721-0902
613-721-1278 (fax)
info@gallium.com

InterMAPhics® is a software product that contains the tools required to create object-oriented interactive display systems. It displays maps from a world database, such as WDB II, DMA, or video map data, and then overlays graphical symbols or data that requires geographic placement. Typical applications include tactical displays, air traffic control, vessel traffic management, mission planning, and training. InterMAPhics facilities are used to define and manage all situational, tabular, and interactive display areas.

IRIX version compatibility:

JAM® 7

Jennifer Hile
JYACC, Inc.
116 John Street
New York, NY 10038
USA
212-267-7722
212-608-6753 (fax)
800-458-3313 (tollfree)
jhile@jyacc.com
http://www.jyacc.com

JAM® from JYACC is the leading cross-platform tool for building client/server, 3-tier, and Web-based transactional applications. JAM is unique in letting you build applications quickly and easily without sacrificing the control you need in the most complex and performance-critical areas.

JAM applications can run unmodified on the widest range of platforms and operating environments in the industry, including Windows, Windows 95, Windows NT, Motif, Macintosh, Open VMS and virtually every implementation of UNIX.

JAM also integrates seamlessly with a broad spectrum of RDBMS products, and provides transparent access to legacy systems via DRDA and Microsoft's ODBC.

IRIX version compatibility:

Software Development Tools

JAM/ReportWriter™

Jennifer Hile
JYACC, Inc.
116 John Street
New York, NY 10038
USA
212-267-7722
212-608-6753 (fax)
800-458-3313 (tollfree)
jhile@jyacc.com
http://www.jyacc.com

JAM/ReportWriter™ version 7 adds a report writing component to JAM, the industry leading second generation tool for building client/server and 3-tier enterprise applications. JAM/ReportWriter provides sophisticated reporting capabilities to developers of JAM applications. JAM/ReportWriter also offers unmatched power when used to produce standalone reports.

JAM/ReportWriter fully leverages JAM's Visual Object Repository, Transaction Manager and Wizard technologies. This makes it possible for everyone on the development team to quickly and easily generate complex reports that incorporate business graphics and data from multiple sources.

IRIX version compatibility:

JAM/TPi™

Jennifer Hile
JYACC, Inc.
116 John Street
New York, NY 10038
USA
212-267-7722
212-608-6753 (fax)
800-458-3313 (tollfree)
jhile@jyacc.com
http://www.jyacc.com

JAM/TPi™ from JYACC is a powerful development environment for building partioned, multi-tier transactional applications. With JAM/TPi, a single graphical tool can be used to develop both client and server application components, with the server modules running under the control of the popular TP monitor, TUXEDO. JAM/TPi server applications can run with JAM-built clients, or with other popular client-building tools.

IRIX version compatibility:

JSpace Software Developers Kit™ (SDK)

Pete Reck
Manager of Sales
Jacobus Technology, Inc.
7901 Beechcraft Avenue
Gaithersburg, MD 20879
USA
301-926-0802
301-926-2313 (fax)
info@jacobus.com
http://www.jacobus.com/

The JSpace Software Developers Kit™ (SDK) is an object-oriented program development system designed for use with large sets of complex data (such as AEC facilities), with special capabilities for visualizing 3-D geometry. The SDK include powerful development tools such as the Class Editor (for defining object classes), the Object Engine (for processing, instancing, and relating objects), the JSpace Viewer (for visualization of 3-D geometry using GL and OSF/Motif). Non-graphical data objects are also supported. The SDK also includes standard Class Libraries, CAD interface source code, and object code. Requires IRIX 4.x or higher, IRIS Development Option, and C++.

IRIX version compatibility:

KAI C++

Bob Kuhn
Director of Products
Kuck & Associates, Inc.
1906 Fox Drive
Champaign, IL 61820
USA
217-256-2288
217-236-5199 (fax)
kuhn@kai.com
http://www.kai.com/

The KAI C++ Compiler provides hand-coded C performance for object-oriented C++ programs by applying high-level, platform independent optimization techniques which benefit C++ users on SGI systems.

KAI C++ supports the latest C++ syntax features including a full implementation of templates and exceptions.

KAI C++ is link compatible with the SGI C++ compilers (both DCC and NCC). You can use all of your existing C++ class libraries with KAI C++, without recompilation. KAI C++ understands the common command line options used with SGI compilers, so it is easy to integrate into your make scripts.

IRIX version compatibility: Pre 5.x

Software Development Tools

Khoros Pro™

Annie Marie McFarlane
Marketing Coordinator
Khoral Research, Inc.
6001 Indian School Rd., NE
Suite 200
Albuquerque, NM 87110
USA
505-837-6503
505-881-3842 (fax)
annie@khoral.com
http://www.khoral.com/

Khoros Pro™ consists of programming tools that support data analysis and visualization, visual programming, GUI creation and custom client/server software development. Khoros' programming services and software development tools also support the creation of new engineering and scientific applications. For scientific and engineering end-users, programs are available for information processing, data exploration and data visualization and are available within a graphically expressed, event driven visual language. Teh Khoros Pro™ CD-ROM contains source code and binaries for 5 supported platforms including SGI IRIX 5.3. Khoros Pro is easily portable to other hardware platforms.

IRIX version compatibility: 5.3

LOGIBIJOU

Michel Tribouillard
Director
Process Data Informatique
(PDI)
Rue de Chapelet
Biarritz, 64200
France
011-33-1-59-23-58-47
011-33-1-59-41-12-57 (fax)

Designed for and specifically aimed at the watchmaking, jewelry and general precious stones market places, LOGIBIJOU is a software set that enables management of manufacturing, profit and loss, client marketing, payroll and general accounting in all of the above mentioned markets.

Process Data Informatique also offers programs that will store photographs of selected merchandise with the appropriate customer files--particularly useful for sales presentations and historical information. Collections from manufacturers will be stored on CD-ROM.

LOGIBIJOU integrates all of this information and data and enables clients to view both existing and new merchandise.

IRIX version compatibility:

LOOX

Saudrine Boarqueiro
Sales Representative
Xanth Informatique
4, Bld des Iles
Issy-les-Moulineaux, 92137
France
33-1-47-36-21-22
33-1-47-36-21-19 (fax)
saudrine@loox.com

LOOX is a development environment for graphical interfaces based on the X Window system and Motif. It does the job traditional Motif GUI builders leave to the developer: the development of animated interactive vector graphics.

LOOX consists of a graphic editor, LOOXMaker, which allows the developer to draw a vector graphic interface. LOOX also contains an object oriented programming library, LOOXLib, which implements all of the functions available in LOOXMaker as well as allowing even finer control over the behavior of individual graphic objects.

IRIX version compatibility:

Laguna MIPS-based VMEbus CPU Board

Todd Wynia
Strategic Marketing Mgr
Heurikon Corporation
8310 Excelsior Drive
Madison, WI 53717
USA
608-831-5500
608-831-4249 (fax)
info@heurikon.com

Laguna is a MIPS-based single board VME computer that works in concert with SGI workstations to provide a powerful "hard" real-time computing environment. Using the VxWorks development environment, real-time applications are developed and debugged on the SGI workstation and then downloaded to a Laguna VME board running the VxWorks real-time kernel. Once deployed, data can dynamically be passed back and forth between the real-time application running on the VME board and a man machine interface running on the SGI workstation. Laguna features an R46i00 CPU, Ethernet, SCSI, up to 64 MBytes DRAM, 4 MBytes Flash, 2 serial ports and VME64 interface.

IRIX version compatibility:

Software Development Tools

LicenseServ™

Andy Green
Vice President, Sales
Wyatt River Software, Inc.
1705 Wyatt Drive
Santa Clara, CA 95054
USA
408-327-8840
408-327-8844 (fax)
info@cendes.com
http://www.wyattriver.com

LicenseServ™ allows developers to protect their Unix and PC applications by adding just a few calls from licensing API. It provides support for floating or node locked licenses and supports the LS-API standard. There are no royalties or limits with respect to number of applications or modules which can be locked.

IRIX version compatibility:

LicenseTrack™

Andy Green
Vice President, Sales
Wyatt River Software, Inc.
1705 Wyatt Drive
Santa Clara, CA 95054
USA
408-327-8840
408-327-8844 (fax)
info@cendes.com
http://www.wyattriver.com

LicenseTrack™ helps customers track and manage software usage on both Unix and PC's. Warning messages regarding license limits may be sent to software administrators or forwarded to SNMP managers.

Graphical reports showing historical usage patterns can be generated to assist in making upgrade and new purchase decisions. Reports can be created using LicenseTrack log files as well as Globetrotter's FLEXlm "Debug" and "Report" log files.

Additionally, LicenseTrack provides built in tools for administering FLEXlm daemons remotely using secure agent technology rather than remote shell commands.

IRIX version compatibility:

Lucid Common Lisp™

Russell Goldsmith
Harlequin Limited
Longstanton House,
Woodside
Longstanton, CA CB4 5BU
UK
44-01954-785480
44-01954-785444 (fax)
russellg@harlequin.co.uk

Harlequin's Lucid Common Lisp™ provides a comprehensive implementation of Common Lisp, conforming substantially to the ANSI Standard (ANSI X3.226:1994), including the Common Lisp Object System (CLOS) for advanced object-oriented programming.

New features include: CLOS performance optimizations; Metaobject protocol; Garbage Collector supports finalization and weak pointers; Foreign language debugging support; International character set support.

IRIX version compatibility:

MACserver™

Carlos Bolado
International Sales Mgr
Syntax, Inc.
840 South 333rd Street
Federal Way, WA 98003
USA
206-528-6799
206-838-9836 (fax)
carlos@syntax.com
http://www.syntax.com/

MACserver™, a Macintosh LAN server for UNIX, gives Macintosh users the ability to expand their AppleTalk network connections to include UNIX computers. Users see the UNIX file and printer resources as extensions of their local resources. MACserver for UNIX offers Macintosh clients improved server security, power, and performance. MACserver clients transparently and concurrently share files with clients of LMserver (TotalNet's LAN Manager-compatible LAN server for UNIX) and MACserver (TotalNET's MAcintosh-compatible LAN serve for UNIX).

IRIX version compatibility:

Software Development Tools

MATLAB® Compiler & MATLAB C Math Library

Enza Froio
Marketing
The MathWorks, Inc.
24 Prime Park Way
Natick, MA 01760-1500
USA
508-647-7000
508-653-2997 (fax)
efroio@mathworks.com
http://www.mathworks.
com/

The MATLAB Compiler translates code developed in MATLAB to portable ANSI C Code. Users have the option to building C routines tha tare dynamically linked with MATLAB at runtime, or standalone executables. These standalone functions may be linked with the MATLAB C Math Library, allowing developers to embed MATLAB's industry-standard math and analysis functions in their internal or commercial end-user applications. The MATLAB COmpiler enables error-prone manual code conversion and can significantly speed up applications.

IRIX version compatibility:

MATRIXx® Product Family

Tamara Artim
Product Marketing Manager
Integrated Systems, Inc.
201 Moffett Park Drive
Sunnyvale, CA 94089
USA
408-542-1788
artim@isi.com
http://www.isi.com/

Integrated Systems' MATRIXx® Product Family accelerates the design process from concept development to final product design. The MATRIXx product family-- SystemBuild™, Xmath™, AutoCode®, DocumentIt™ and the RealSim™ Series--work together seamlessly to allow rapid design devlopment, verification of results in a true-to-life simulation, automatic code and documentation generation, and implementation and test of designs in real-time.

Systems Build: Visual block diagram system with point system with point and click connection editor for fast and intuitive modeling and simulation of entire systems

Xmath: First and most sophisticated object-oriented graphical mathematics analysis package.

AutoCode: Automatic C and Ada real-time code generator for SystemBuild models

DocumentIt: Automatic Documentation generator for SystemBuild models

RealSim Series (AC-100 Model C30™ and AC-100 Model 3™): Real-time processing hardware verifies designs in the actual application environment to shorten design time and improve product quality.

IRIX version compatibility:

MLWorks®

Russell Goldsmith
Harlequin Limited
Longstanton House,
Woodside
Longstanton, CA CB4 5BU
UK
44-01954-785480
44-01954-785444 (fax)
russellg@harlequin.co.uk

Harlequin's MLWorks® is a complete implementation of Standard ML, with a unique Windows-based programming environment. As such, it is ideally placed to meet the needs of teaching, research and industry in the nineties.

The compiler provides strict conformance to the formal definition of Standard ML (SML). In addition, MLWorks® includes an integral make system to facilitate the building of large and/or stand-alone applications. Compatability options are provided to support code from other ML compilers. The run time system is supplied with a state-of-the-art generational garbage collector. Libraries are provided supporting graphics, threads and the revised initial basis.

IRIX version compatibility:

Software Development Tools

MainSoft SourceSafe® for UNIX

Anne Dor
Director
Mainsoft Corporation
1270 Oakmead Parkway
Suite 310
Sunnyvale, CA 94086
USA
408-328-6222
408-774-3404 (fax)
infoinsoft.com
http://www.mainsoft.com/

MainSoft SourceSafe® for UNIX® is for UNIX software developers who require an easy-to-use tool to manage source code across multiple platforms (MAC, Windows, and UNIX) with a single repository. Visual SourceSafe is a feature-rich project-oriented version control system that provides a powerful, intuitive graphical user interface. Unlike other UNIX version control utilities, Visual SourceSafe for UNIX features drag and drop file sharing, user-configurable options, visual file difference displays and a central code repository.

IRIX version compatibility: 5.2, 5.3, 6.2

MainWin Test

Anne Dor
Director
Mainsoft Corporation
1270 Oakmead Parkway
Suite 310
Sunnyvale, CA 94086
USA
408-328-6222
408-774-3404 (fax)
infoinsoft.com
http://www.mainsoft.com/

MainWin Test is an integrated testing tool for MainWin developers. MainWin Test promotes rapid re-testing of applications on multiple platforms and is the automated testing tool that provides the maximum leverage of test script devlopment through the reuse of Microsoft test scripts.

MainWin Test offers complete compatibility with test scripts developed using Microsoft Test on the PC. The ability to run identical automated testing scripts on both DOS/Windows and UNIX development environments is key to significantly reduce the amount of engineering effort required to deploy a Windows application.

IRIX version compatibility: 5.3, 6.2

MainWin XDE

Anne Dor
Director
Mainsoft Corporation
1270 Oakmead Parkway
Suite 310
Sunnyvale, CA 94086
USA
408-328-6222
408-774-3404 (fax)
infoinsoft.com
http://www.mainsoft.com/

MainWin XDE makes it possible for developers to design, develop and support a single source code base that supports Microsoft Windows, Windows NT, Windows 95, and UNIX workstations with full performance native code ports. Also included with MainWin XDE, is MainWin Help, the Microsoft Help engine on UNIX, as well as a variety of utilities and debugging tools.

MainWin XDE features support of new Microsoft Windows technology in a timely fashion. MainWin brings support for the latest versions of MFC, Win95 help and OLE to UNIX.

IRIX version compatibility: 5.2, 5.3, 6.2

Micro Focus COBOL™ for UNIX®

Julia Spruiell
Project Manager
Micro Focus
2465 East Bayshore Road
Suite 400
Palo Alto, CA 94303
USA
415-856-4161
415-843-7117 (fax)
**http://www.microfocus.
com**

Micro Focus COBOL for UNIX™ contains the industry's leading cross-platform COBOL compiler and code debugger (Animator®). It offers significant improvements in programmer activity by providing a highly efficient development environment. It is available on all major UNIX platforms based on a wide range of industry standard microprocessors. Micro Focus COBOL for UNIX is fully compatible with Micro Focus COBOL v3.2 for DOS, Windows™ and OS/2®. Extensive syntax support, including IBM® OS/VS COBOL, VS COBOL II, X/OpenXPG4, and a wide range of other dialects make Micro Focus COBOL for UNIX the cross-platform language of choice.

IRIX version compatibility:

Software Development Tools

Miranda™

Una Turner
Sales Manager
Research Software Ltd.
23 St. Augustines Road
Canterbury, KE CT1 1XP
UK
011-44-1-227-471-844
011-44-1-227-454-458 (fax)
mira-request@ukc.ac.uk

Miranda™ is a modern functional programming language, with evaluation, polymorphic strong typing, and a powerful module system with type security across module boundaries. A program written in Miranda™ is a set of equations and can be 20 times shorter than the corresponding imperative program. Miranda™ won the British Computer Society Technical Medal for 1990, and is now running at over 500 sites.

The Miranda™ system provides an easy to use interactive program development environment running under UNIX. The compiler works with a screen editor (normally vi, but another editor can be used) and there is a built in make facility. Execution is by fast interpreter, using an intermediate code based on combinatory logic. An online manual is included.

IRIX version compatibility:

NAGWare f90 Fortran 90 Compiler

Terry Burgess
Marketing Manager
The Numerical Algorithms
Group, Ltd. (NAG)
Wilkinson House
Jordan Hill Road
Oxford, OX2 8DR
UK
44-1865-511245
44-1865-310139 (fax)
HELPDESK@IEC.CO.
UK
http://www.nag.co.uk/

NAGWare is the world's first compiler to support the full ANSI/ISO standard for Fortran 90. NAGWare includes support for 64-bit integers; all the new High Performance Fortran (HPF) language features; optional run-time garbage collection with user control; FORALL statement and construct; nested FORALL and WHERE constructs; automatic file pre-connection.

IRIX version compatibility:

NeurOn-Line®

David Siegel
Gensym Corporation
125 CambridgePark Drive
Cambridge, MA 02140
USA
617-547-2500
617-547-1962 (fax)
info@gensym.com
http://www.gensym.com

Gensym's NeurOn-Line® is a graphical, object-oriented software product that enables users to easily build neural works and integrate them into G2 applications. Neural networks help users model dynamic, nonlinear phenomena that are too complex to be described by analystical methods or empirical rules. NeurOn-Line is well suited for quality management, sensor validation, diagnosis, and process modeling applications where spontaneous on-line retraining is needed to adapt to changing process behavior. Unlike other tools, Gensym's NeurOn-line provides neural net training and on-line deployment in a single, consistent environment.

IRIX version compatibility:

Software Development Tools

Neural Network Processor (NNP®)

Robert Pap
President
Accurate Automation
Corporation
7001 Shallowford Rd.
Chattanooga, TN 37421
USA
423-894-4646
423-894-4645 (fax)
rmpap@accurate-automation.com
http://www.accurate-automation.com/

AAC has developed a Neural Network Processor (NNP®) capable of multiprocessor operations. Each NNP system is capable of implementing 8k neurons with 32k interconnections per processor. The computational capability of a single processor is 140M interconections per second (35mhz). An 8 processor NNP is capable of over one billion connections per second. The NNP architecture is extremely flexible and any neuron is capable of interconnecting with any other neuron in the system. The NNP is implemented for either VME or IBM compatible cards. The NNP supports two I/O busses, one for interprocessor communication and the other for mapping NNP memory into the memory map of a supporting digital signal processor chip. Each processor is controlled by a RISC-like instruction set. NNP software development is supported by a NNP Module Simulator, an Assembler, a Neural Network Compiler, and the AAC Neural Network Toolbox.

IRIX version compatibility:

NeuralWorks Professional II/PLUS™

John Wavle
Sales Manager
NeuralWare, Inc.
202 Park West Drive
Pittsburgh, PA 15275
USA
412-787-8222
412-787-8220 (fax)

NeuralWorks Professional II/PLUS™ enables science and engineering professionals to design, test, and implement customized neural networks for a wide variety of applications that are computing-intensive, time-sensitive, and the outcomes of which are quality- or yield-oriented such as financial management, fraud detection, process control, direct marketing, and defense systems. NeuralWorks includes 22 network types plus the ability to define a network, 14 learning rules, 10 transfer functions, and 11 summation functions. It supports a graphical user interface. NeuralWorks accepts standard ASCII files. Diagnostic and analytical capabilities are standard. Complete documentation is provided, and technical support is available via a hotline or bulletin board service.

IRIX version compatibility:

NewsLine

Jim Frome
Marketing Manager
Information Advantage
7905 Golden Triangle Drive
Eden Prairie, MN 55344-7227
USA
612-833-3700
612-833-3701 (fax)
jim.frome@infoadvan.com
http://www.infoadvan.com

NewsLine is a Microsoft Windows interface to Information Advantage's DecisionSuite Server. NewsLine users point and click to author reports using filters and calculations published by Analysis users. Users drag and drop filters and calcualtions to surf the data warehouse and can drill in any direction, on any business dimension or attribute. NewsLine includes business charting and integrates with external applications, including operational systems and powerful GIS mapping systems. NewsLine users can draw attention to critical information with personal GIS mapping systems. NewsLine users can draw attention to critical information with personalized annotations inserted into reports.

IRIX version compatibility: 5.3

Nitro 260/Nitro 240 Scalable 680x0 VME Board

Todd Wynia
Strategic Marketing Mgr
Heurikon Corporation
8310 Excelsior Drive
Madison, WI 53717
USA
608-831-5500
608-831-4249 (fax)
info@heurikon.com

Nitro is a single board VME computer that works in concert with SGI workstations to provide a powerful "hard" real-time computing environment. Using the VxWorks development environment, real-time applications are developed and debugged on the SGI workstation and then downloaded to a Nitro VME board running the VxWorks and real-time kernel. Once deployed, data can dynamically be passed back and forth between the real-time application running on the VME board and a man machine interface running on the SGI workstation. Nitro features a 68040 or 68060 CPU, Ethernet, SCSI 2, up to 64 MBytes DRAM, 4 MBytes Flash, 6 serial ports and VME64 interface.

IRIX version compatibility:

Software Development Tools

Nonlinear Control Design Toolbox

Enza Froio
Marketing
The MathWorks, Inc.
24 Prime Park Way
Natick, MA 01760-1500
USA
508-647-7000
508-653-2997 (fax)
efroio@mathworks.com
**http://www.mathworks.
com/**

The Nonlinear Control Design (NCD) Toolbox, is the first GUI-based tool that uses simulation to automate tuning of controller parameters within nonlinear block diagrams. Users can graphically create constraints for their desired performance through point-and-click interactions. Advanced optimizaion algorithms then adjust parameter values through multiple simulations. Multiple controller gains within a system can be tuned, including PID, LQR, LQG and H-infinity structures. The NCD Toolbox also enables designers to accommodate uncertainties and variations of design components by applying Monte Carlo simulations. This aids in designing robust controllers for systems whose behavior may vary due to manufacturing tolerance variations or component wear duing a products life-cycle.

IRIX version compatibility:

OPNET® MODELER

Marc Cohen
Director of Marketing
MIL 3, Inc.
3400 International Drive, N. W.
Washington, DC 20008
USA
202-364-8390
202-364-8554 (fax)
mcohen@mil3.com

MIL 3's OPNET® MODELER is a comprehensive software environment for modeling, simulating, and analyzing the performance of communications networks, computer systems and applications, and distributed systems. Graphical object-oriented editors for defining topologies directly parallel actual systems, providing an intuitive mapping between a system and its model. OPNET's hierarchial approach simplifies the specification and presentation of large and complex systems.

OPNET MODELER/RADIO®, an extension to OPNET MODELER®, provides additional support for dynamic RF link budget calculations, mobile nodes and satellite orbits, modulation models, and 3D antenna gain patterns.

IRIX version compatibility:

ORACLE® Office ™

Please contact local SGI
office/sales rep,
or call
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94605
USA
800-800-SGI1
http://www.oracle.com/

Oracle® Office™ is a scalable, distributed information management solution that integrates enterprise messaging and scheduling, calendar and directory services and proof-reading facilities. Oracle Office pioneers a new generation of office communication software that extends across all operating systems, hardware platforms, user interfaces and networks.

IRIX version compatibility:

ORACLE® Precompilers

Please contact local SGI
office/sales rep,
or call
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94605
USA
800-800-SGI1
http://www.oracle.com/

The ORACLE® Precompilers allow users to embed SQL in programs written in Ada, C, COBOL and Fortran. The ORACLE Precompilers give users the best of both worlds procedural host language capabilities and the flexibility and ease of use of SQL. With the ORACLE Precompilers, users can retain their investment in host language training and applications while writing powerful programs that interface with the ORACLE relational database management system (DBMS) and other SQL-based database systems.

IRIX version compatibility:

Software Development Tools

ObjecTime

Bill Stewart
Marketing Manager
Objectime Ltd.
340 March Road
Kanata, ON K2K 2E4
Canada
613-591-3535
613-591-3784 (fax)
sales@objectime.com
http://www.objectime.com

ObjecTime is a graphical requirement analysis, design and code generation Object Oriented tool set, that improves real-time software development productivity. Using graphical executable models; requirements, architecture, and design are validated early, ensuring that you have a clear understanding of what needs to be implemented. After dynamic graphical model simulation and testing, the ObjecTime models are automatically translated into complete, high-performance applications for target hardware. The tool set implements the formal Real Time Object Oriented Method (ROOM). The tool set runs on UNIX workstations, and supports several commercial Real Time Operating Systems.

IRIX version compatibility: 5.2, 5.3

ObjectTeam

Corporate Sales
Cayenne Software, Inc.
8 New England Exec. Park
East
Burlington, MA 01803-5063
USA
617-273-9003
617-272-0980 (fax)
800-285-7294 (tollfree)
info@cayennesoft.com
**http://www.cayennesoft.
com/**

Cayenne's ObjectTeam is a leading, multi-user solution for object-oriented application development. With a state-of-the-art repository, its team modeling features enable you to manage object-oriented modeling components as corporate assets that drive the analysis, design, and construction of large scale applications. ObjectTeam helps you better manage the development process by preserving key modeling views of different development phases, including analysis, design, and technology. Capable of both real-time and business modeling, ObjectTeam can be used for all medium to large size projects. And it saves time by permitting common pieces of a model or system design to be reused or shared by different departments.

IRIX version compatibility:

Open Inventor for UNIX and PC Systems

Robert Weidman
Vice President, Marketin
Template Graphics
Software, Inc.
9920 Pacific Heights Blvd.
Suite 200
San Diego, CA 92121-4331
USA
619-457-5359
619-452-2547 (fax)
**http://www.sd.tgs.com/
~template**

Template Graphics Software is a source licensee of the Open Inventor from Silicon Graphics Inc. TGS is providing Open Inventor for Sun, IBM, HP and DEC UNIX workstations, Microsift Windows 3.1, NT and 95 personal computer systems and Apple Power Mac Systems. Contact TGS for ports to OS/2 and other systems.

Partnered with Silicon Graphics, TGS will cover 100% of OpenGL-capable systems with Open Inventor. TGS has already delivered 100% API compatable Open Inventor for Sun Solaris, IBM AIX and Microsoft Windows NT 3.5. TGS Open Inventor products include the Open Inventor Component Library, libSoXT, as well as integration features to each environment.

TGS also provides Internet VRML Extensions and WebSpace with the Open Inventor toolkit. TGS partnered with Silicon Graphics on the development of WebSpace and VRML integration to Open Inventor.

IRIX version compatibility:

Software Development Tools

OpenGL for HP-UX

Diane Connolly
Technical Consulting
Specialist
Template Graphics
Software, Inc.
9920 Pacific Heights Blvd.
Suite 200
San Diego, CA 92121-4331
USA
619-457-5359
619-452-2547 (fax)
info@tgs.com
http://www.sd.tgs.com/
~template

Template Graphics implementation of OpenGL fully utilizes HP's graphic acceleration for 3D systems and HP's Color Recovery technology, to create true color visuals (24-plane) on low-cost (8-plane) graphics workstations. It is has been designed for full compliance with the OpenGL specification and compliance tests adopted by the OpenGL Architectural Review Board. OpenGL Utility libraries are included. These libraries contain routines using lower-level OpenGL commands to set up specific viewing orientations and projections matrices, perform polygon tessellation, and render surfaces.

IRIX version compatibility:

Oracle CoAuthor®

Please contact local SGI
office/sales rep,
or call
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94605
USA
800-800-SGI1
http://www.oracle.com/

Oracle CoAuthor®'s powerful terminology management capabilities help ensure enterprise-wide consistency in style, usage, spelling and punctuation.

IRIX version compatibility:

Oracle Forms™

Please contact local SGI
office/sales rep,
or call
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94605
USA
800-800-SGI1
http://www.oracle.com/

Oracle Forms™) is a nonprocedural tool for developing and maintaining forms-based database applications quickly and efficiently, without programming. Instead, users simply specify their needs through menu choices and a powerful screen painter. Oracle Forms combines instructions with information from ORACLE's data dictionary to generate applications. With Oracle Forms, users can build sophisticated applications without writing any procedural code. And by using the advanced features of Oracle Forms, users can create powerful applications that are completely menu-driven, so end users never need to learn function keys.

IRIX version compatibility:

Oracle Graphics™

Please contact local SGI
office/sales rep,
or call
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94605
USA
800-800-SGI1
http://www.oracle.com/

Oracle Graphics is a powerful development tool for building graphical data visualization and monitoring applications. Using Oracle Graphics, you can create sophisticated data visualization applications that turn data into visual information. Applications can combine text, chart, drawing and multimedia objects to represent data relationships in a meaningful graphical format. Oracle Graphics enables you to develop powerful graphical front-ends, executive information systems, and interactive decision support systems.

IRIX version compatibility:

Software Development Tools

Oracle MultiProtocol Interchange™

Please contact local SGI
office/sales rep,
or call
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94605
USA
800-800-SGI1
http://www.oracle.com/

The Oracle MultiProtocol Interchange™ offers a new connectivity approach for enterprises using a variety of protocols. For use with SQL*Net V2, the Oracle MultiProtocol Interchange is a protocol conversion service that joins separates incompatible networks into a single cooperative network, With the Oracle MultiProtocol Interchange, applications can communicate via standard SQL across networks based on different protocols.

IRIX version compatibility:

Orbix™

Paul Hickey
Developer Relations Manag
IONA Technologies
8-34 Percy Place
Dublin 4, IREL
UK
011-353-1-668-6522
011-353-1-668-5673 (fax)
pth@iona.ie
http://www.iona.ie/

Orbix™ is a full C++ implementation of the OMG's CORBA standard. With Orbix, programmers can develop distributed applications using object-oriented client-server technology, and use object technology to compose new applications from existing components and subsystems. Orbix was first released in June 1993, and since then has become the leading CORBA-compliant Object Request Broker. It is used by leading software providers across the banking, telecommunications, engineering and government sectors in addition to the general software market.

Orbix is supported on SunOS, Solaris, Solaris x86, IRIX, HP/UX, AIX, OSF/1, Ultrix, UnixWare, Windows and Windows NT3.5. Orbix interworks seamlessly across all platforms.

IRIX version compatibility:

PGI High Performance Fortran - pghpf™

Denney Cole
Sales
The Portland Group
9150 SW Pioneer Court
Suite H
Wilsonville, OR 97070
USA
503-682-2806
503-682-2637 (fax)
dcole@pgroup.com
http://www.pgroup.com

The pghpf High Performance Fortran compiler from The Portland Group, Inc. (PGI) is a compliant, production-quality, optimizing implementation of the HPF programming language for SGI and CRAY systems. Unlike message-passing or threads-based programming, HPF allows you to develop portable and scalable parallel applications at a high level through simple directive-based extensions to F90. Tight integration with SGI and CRAY Fortran compilation systems maximizes ease-of-use and interoperability with existing SGI and CRAY compilers and tools. You can purchase pghpf for all CRAY systems directly from your Cray or SGI sales representative. Contact PGI for information and pricing on all other SGI systems.

IRIX version compatibility:

PL/SQL™

Please contact local SGI
office/sales rep,
or call
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94605
USA
800-800-SGI1
http://www.oracle.com/

PL/SQL™, Oracle's powerful procedural language extension to SQL, significantly increases application performance and development productivity while enhancing the power and functionality of other Oracle products. With PL/SQL, users get a sophisticated application development language that is already integrated with both the ORACLE relational DBMS and key Oracle tools. Plus, in a distributed client/server application, PL/SQL dramatically improves performance by reducing the network communications overhead. Users can use PL/SQL's power to quickly build sophisticated applications while employing development concepts with which users are already familiar.

IRIX version compatibility:

Software Development Tools

POWERview™

Kim Penton
Marketing Director
CIMLINC, Inc.
1699 Stutz Road
Troy, MI 48084
USA
810-649-0240
810-643-7185 (fax)
800-225-4973 (tollfree)
kim.penton@cimlinc.com
http://www.cimlinc.com/
msg/

Surface models come to you in all shapes and sizes, from all kinds of CAD systems. And you have to be compatible with every one of them.

POWERView™ gives you the flexibility to read, view, translate and output files in virtually any industry standard format. Perhaps more importantly, POWERView allows you to:

- Visually inspect 3D files without tying up your own design systems
- Save time by previewing and interpreting model data prior to translation
- Work smarter by helping downstream users concentrate on design or machining functions rather than translation and file preparation
- Reduce training requirements and improve efficiency by employing one easy-to-use tool for all translation tasks

IRIX version compatibility:

PRIOR GKS

Margaret Bradford
Customer Service
Representative
Gallium Software, Inc.
303 Moodie Drive
Suite 4000
Nepean, ON K2H 9R4
Canada
613-721-0902
613-721-1278 (fax)
info@gallium.com

PRIOR GKS is a high-level, 2-D graphics development toolkit that delivers the performance and functionality required for applications such as command and control, computer-aided design and drafting, presentation graphics, and mapping. PRIOR GKS®, which conforms to the ISO GKS (Graphical Kernel System) standard, provides application and device portability. With this toolkit, application developers enjoy reduced development costs, faster time to market, and the freedom to select the most effective hardware for a specific application.

The rich development environment which includes drawing primitives such as lines, text, fill areas, ellipses, circles and B-splines; CGM support; asynchronous input; and primitive storage is accessible from C and Fortran applications.

IRIX version compatibility:

PRO/5 Data Server™

Jeb Boldins
Product Marketing
BASIS International Ltd.
5901 Jefferson Street, N.E.
Albuquerque, NM 87109-
3432
USA
505-345-5232
505-345-5082 (fax)
jboldin@basis.com
http://www.basis.com

The ODBC compliant PRO/5 Data Server, working in conjunction with PRO/5 for UNIX or Visual PRO/5 for Microsoft Windows as a client, provides improved speed for remote data access on wide area and local area networks, greater data security and improved server efficiency.

IRIX version compatibility:

Software Development Tools

PRO/5™

Jeb Boldins
Product Marketing
BASIS International Ltd.
5901 Jefferson Street, N.E.
Albuquerque, NM 87109-3432
USA
505-345-5232
505-345-5082 (fax)
jboldin@basis.com
http://www.basis.com

PRO/5 provides an interpretive environment for developing sophisticated business applications. Developers can interrupt an executing program (either public or CALLed), examine the state of the program, edit the code, modify variables, and resume execution from the point of interrruption. PRO/5 is constructed around a multi-keyed file structure that enables manipulation of unlimited-length dynamic strings. Transaction tracking and journaling are offered for improved data security. It supports business math with 16-digit precision, and both string and numeric arrays of up to three dimensions. Data handling features include a versatile SELECT verb and SQL support.

PRO/5 affords absolute portability of applications and data across multiple operating environments including DOS and UNIX-os based systems.

IRIX version compatibility:

PROGRESS® Application Development Environment

Cynthia Cagan
Mngr., Strategic Relations
Progress Software
Corporation
400 Larkspur Landing
Circle
Suite 205
Larkspur, CA 94939
USA
415-610-0828
415-610-0829 (fax)
cynthia.cagan@progress.com
http://www.progress.com

PROGRESS® is an Application Development Environment (ADE) for developing and deploying complex enterprise applications that are scalable, portable and reconfigurable across heterogeneous client/server and host-based environments. PROGRESS consists of the PROGRESS visual programming environment, the PROGRESS relational database management system (RDBMS), and the PROGRESS DataServer Architecture. DataServers enable developers to build database-independent applications that can be deployed with the PROGRESS RDBMS and other leading data managers, such as Oracle, Sybase, C-ISAM, et.

More than 2000 Application Partners offer thousands of PROGRESS-based client/server applications to wide range of industries including manufacturing, financial, distribution, retail and health care.

IRIX version compatibility:

Panel Library and Editor

Karen Newcomb
Information Analyst
COSMIC
382 East Broad Street
Athens, GA 30602
USA
706-542-3265
706-542-4807 (fax)
service@cosmic.uga.edu
http://www.cosmic.uga.edu/pub/SGI.html

The Panel Library and Editor is a graphical user interface (GUI) builder. The toolkit creates "widgets" which can be manipulated by the user. Its appearance is similar to X Windows. Programmers can graphically create and test the user interface without writing a single line of code. Once an interface is judged satisfactory, the Panel Editor will dump it out as a file of C code that can be used in an application. Source code is included with the program. Written in C-language and Scheme (a dialect of LISP). Implemented under IRIS 3.2.

IRIX version compatibility:

Software Development Tools

Paradise™

Richard Schultz
Director of Sales
Scientific Computing
Associates, Inc.
One Century Tower
265 Church Street
New Haven, CT 06510-
7010
USA
203-777-7442
203-776-4074 (fax)
software@sca.com

Scientific's Paradise™ provides a friendly virtual shared memory programming environment that enables creation of powerful, fault-tolerant distributed codes, including multi-program ensemble applications, which can target networks and clusters of PowerPC's and other systems. Paradise's Piranha interface enables users' distributed programs and ensemble applications to dynamically target networked systems according to user-defined availability criteria, such as cp load balance and/or frequency of keyboard and mouse entries. With Paradise and Piranha, otherwise idle network systems work together to support distributed, fault-tolerant jobs, while preserving a high level of interactive service for each user. In additon, every Paradise software system includes a full suite of garphics-based debugging, performance analysis, and other tools to assist programmers in the rapid and successful deployment of distributed and ensemble applications.

IRIX version compatibility:

PassPort

Alan Tonnesen
Vice President
PassPort Corporation
4175 Veterans Memorial
Hwy., 4th Floor
Ronkonkoma, NY 11779
USA
516-981-3000
516-981-3082 (fax)
**atonnesen@passport4gl.
com**
**http://www.passport4gl.
com**

PassPort is a client/server development tool that allows developers to write portable (user interfaces and recreational databases) applications on many platforms including the Indy R4600 series, it has the power to move large-scale, mission-critical applications from mainframe to client/server while making maximum use of your legacy code. PassPort has been used to create highly portable applications and tools. It operates on major operating systems including UNIX, VMS, OS/2 and MS Windows. PassPort is completely database and network independent for seamless concurrent access to Oracle, Sybase, Informix, Ingres, RDB, and any ODBC compliant database and gateway such as EDA/SQL.

IRIX version compatibility: 5.x, 6.1, 6.2 Certified

PepperSeed

Corporate Sales
Cayenne Software, Inc.
8 New England Exec. Park
East
Burlington, MA 01803-5063
USA
617-273-9003
617-272-0980 (fax)
800-285-7294 (tollfree)
info@cayennesoft.com
**http://www.cayennesoft.
com/**

PepperSeed from Cayenne Software is a new, user-friendly design tool that can quick start your object-oriented development projects in a matter of hours. PepperSeed supports both UML and Booch notations and is very easy to learn and use. It is economical and can boost your productivity and flexibility.

PepperSeed can quickly do C++ reverse engineering, code generation, graphical querying, and Tcl scripting. You can cut and paste PepperSeed designs to Word and PowerPoint. It enables you to visualize and reuse existing code, and easily communicate requirements and design concepts. If you ever need to reuse your designs for a larger scale, team-based project, PepperSeed designs can be exported to Microsoft's repository. They can then be moved into ObjectTeam, GroundWorks or Terrain.

IRIX version compatibility:

Software Development Tools

PreCut™

Kim Penton
Marketing Director
CIMLINC, Inc.
1699 Stutz Road
Troy, MI 48084
USA
810-649-0240
810-643-7185 (fax)
800-225-4973 (tollfree)
kim.penton@cimlinc.com
**http://www.cimlinc.com/
msg/**

Efficient, accurate, high-quality cutter paths - in a fraction of the normal time.

Until now, testing the quality of cutter paths prior to running jobs on machine tools resulted in major production bottlenecks. There were trial cuts. Part violations. Areas of excessive or uncut stock. Machine tools stood idle as problems were solved.

With CIMLINC's PreCut™, those costly problems have become a thing of the past. Using PreCut, producers of complex tools can quickly evaluate an electronic surface model composed of hundreds of complex trimmed or untrimmed NURB surfaces. In minutes, they can check the model against thousands of cuter path points. Quality is maintained. Accuracy is assured. Lead time is shortened. And profits increase.

IRIX version compatibility:

Premier Motif

Sales Department
IXI Visionware
425 Encinal Street
P.O. Box 1900
Santa Cruz, CA 95061-1900
USA
408-429-4500
408-427-5407 (fax)
800-729-8649 (tollfree)
info@sco.com
http://www.sco.com

Premier Motif -- A complete cross-platform Motif developers program including software and support. Premier Motif includes a complete set of Wintif libraries that allow UNIX-based applications to be displayed in familiar Windows look and feel.

* Free upgrades on CD-ROM every quarter
* Identical source code across all platforms
* Wintif libraries included at no charge (based on OSF/Motif standard libraries)
* Supports Silicon Graphics, Sun OS, Sun Solaris, Intel Solaris, IBM RS/6000, HP 9000/700.

IRIX version compatibility:

Prism Warehouse Manager™

Matt F. Maki
Director, Business
Development
Prism Solutions
1000 Hamlin Court
Sunnyvale, CA 94089
USA
408-752-1888
408-752-1875 (fax)
mmaki@prisminc.

Prism Warehouse Manager™ greatly reduces the time it takes to build and maintain a data warehouse of consistent, subject-oriented, historical information for analysis and decision making. It generates codes to extract operational data and external data from source databases, integrates the data from the various sources, and then transforms and loads the integrated data to a choice of target databases on mainframe and client/server platforms. An extensive selection of built-in transformations allows users to perform the data conversions, summarizations, key changes, structural changes and condensations needed to create a historical perspective of enterprise-wide information.

IRIX version compatibility:

Ptech

Rabah Ahmed
PTech, Inc.
One Main Street
Cambridge, MA 02142-1526
USA
617-577-7100
617-577-7400 (fax)

Ptech is the leading provider of integrated modeling methods and tools for business process design and automation. The origin of the Martin/Odell methodology, Ptech offers a scalable object-oriented solution that allows business and technology organizations to understand, capture, analyze, validate, implement and continually evolve their quality complex business processes, whether they are project, departmental, or enterprise-wide.

The Ptech approach emphasizes:

* efficient communication between domain experts and software engineers
* continuous improvement of the business process at the design level
* process designs independent of development technology
* automation of business processes with generation of complete C++ code.

Software Development Tools

IRIX version compatibility:

Pure Atria ClearCase

Beth Dawson
Silicon Graphics, Inc.
2011 North Shoreline Boulevard
MS 420
Mountain View, CA 94030
USA
415-933-3197
415-932-0327 (fax)
bethd@engr.sgi.com

Pure Atria ClearCase™ is a powerful UNIX software engineering toolset for version control, configuration management, and process control that doesn't change the way you or your current environment works.

Pure Atria ClearCase is designed for large-scale and long-lived software development projects. It is targeted at teams of developers working in a UNIX local area network. Pure Atria ClearCase manages multiple versions of evolving software and tracks which versions were used in software builds. It performs builds and rebuilds of individual programs or entire releases according to user-defined version specifications, and enforces project-defined development policies.

IRIX version compatibility:

PureDDTS™

Sales Department
Pure Software
1309 South Mary Avenue
Sunnyvale, CA 94539
USA
408-720-1600
408-720-9200 (fax)
info@pure.com
http://www.pure.com

PureDDTS™, an easy-to-use Distributed Defect Tracking System from Pure Software, is the leading bug tracking and change management system for the UNIX environment. PureDDTS tracks and manages defects and changes throughout the lifecycle of a hardware or software product. It was designed specifically for use by development labs during product development, and quality assurance organizations during testing. The distributed database allows bug reports to be submitted to any project worldwide, and allows local users to get timely defect-status information on remote projects. PureDDTS provides easy access to management reports and quality metrics.

IRIX version compatibility: 5.3

Purify

Sales Department
Pure Software
1309 South Mary Avenue
Sunnyvale, CA 94539
USA
408-720-1600
408-720-9200 (fax)
info@pure.com
http://www.pure.com

For today's complex software development projects, run-time or memory access errors are some of the most difficult problems to solve. Purify solves these problems by combining the most comprehensive and performance oriented run-time error checking available with an easy to use graphical user interface.

To achieve comprehensive checking, Purify uses Pure Software's patented Object Code Insertion (OCI) technology to intercept memory accesses by inserting additional instructions in the object code before every Load and Store operation. The major advantage of OCI is that all of the code, including third-party and shared libraries can be checked.

IRIX version compatibility: 5.2, 5.3, 6.2

QC/Replay

Elizabeth Darragh
Marketing Program Manager
CenterLine Software, Inc.
10 Fawcett Street
Cambridge, MA 02138
USA
617-498-3301
617-868-6655 (fax)
info@centerline.com
http://www.centerline.com

QC/Replay is a second generation, widget-aware GUI testing tool, automating regression and system testing of graphical applications. QC/Replay is less intrusive, more powerful and easier to use than first generation (bitmap) or hybrid (bitmap tools with add-on widget-aware support) tools.

Three key benefits of QC/Replay:

- Widget-based. All scripts and data are based on GUI objects, not bitmap coordinates, which makes testing more reliable, portable and maintainable. There is no switching to analog mode for certain events.
- The scripting language, Tcl, is an industry standard, which means a much shorter learning period and widely available third party training courses and add-on functionality.
- Complete support for any Xt-based applications with Motif, OLIT, Athena or custom widgets.

Software Development Tools

IRIX version compatibility:

QualGen®

Thomas Radi
President
Scientific Toolworks, Inc.
115 Etna Road
Suite 18A
Lebanon, NH 03766
USA
909-625-6147
909-626-9667 (fax)
http://www.scitools.com

QualGen® is a quality analysis tool for Ada and C programs. QualGen® provides the ability to easily view trends in software quality, as the software project develops. QualGen® analyzes Ada or C code at any stage of development to extract over 250 measurements/metrics such as Halstead, McCabe and others specifically designed to improve the quality of programs in both Ada and C. QualGen® is intended to be used by software developers to check and improve the quality of the code, by software quality personnel to verify the quality of the code, and by software managers to see trends in software quality and software trouble reports through the lifecycle.

IRIX version compatibility:

RTM - Requirements Traceability Management

Steve Hodges
General Manager
Integrated Chipware, Inc.
1861 Wiehle Avenue
Suite 300
Reston, VA 22090
USA
703-736-3526
703-736-3556 (fax)
sales@mstus.com
http://www.mstus.com

RTM is an extremely versatile database driven tool that allows users to effectively control the chaotic nature of a product development project.

By allowing users to easily load and manage all information associated with a project, RTM insures that all people involved in the project know what is required to do the job, who is responsible for each requirement, and what progress has been made against each requirement. This information is critical to any project but is typically not readily available due to the constant change associated with product development.

IRIX version compatibility:

RTworks®

Tim Sullivan
Marketing Programs
Specialist
Talarian Corporation
444 Castro Street
Suite 140
Mountain View, CA 94041
USA
415-965-8050
415-965-9077 (fax)
tims@talarian.com
http://www.talarian.com

Talarian provides powerful and innovative software development tools that allow customers to more efficiently process and display real-time data in a meaningful way. Talarian's flagship product, RTworks®, combines several advanced technologies, including real-time inferencing, sophisticated graphical user interfaces, client-server data distribution across heterogeneous networks, and real-time data acquisition. RTworks' open architecture allows for easy integration with other software such as relational databases or existing customer programs.

Talarian has installed systems at customer sites in the utilities, process control, factory automation, telecommunications (network monitoring), and aerospace industries.

IRIX version compatibility:

Software Development Tools

RealAudio™ Server, Player and Encoder

Maria Cantwell
VP, Marketing
Progressive Networks
1111 Third Avenue
Suite 2900
seattle, WA 98101
USA
206-674-2700
506-674-2697 (fax)
sales@prognet.com
http://www.realaudio.com

The RealAudio™ Player, a freely-available helper application for World Wide Web browsers, plays audio-on-demand--without download delays--via the internet. The installed base of RealAudio™ Players was approximately 2 million as of January 1996. The Player receives audio streams from the RealAudio™ Server, which is available for Windows, Macintosh, and most UNIX platforms.

IRIX version compatibility: 5.3

Robotic Control

Robert Pap
President
Accurate Automation
Corporation
7001 Shallowford Rd.
Chattanooga, TN 37421
USA
423-894-4646
423-894-4645 (fax)
rmpap@accurate-automation.com
http://www.accurate-automation.com/

Under funding from NASA Marshall Space Flight Center, AAC has developed an autonomous neurocontroller capable of adapting to changing loads as well as changing robot arm dynamics. This robotic control platform makes use of the ASC dual C40 Neural Network Processor System. The Neural Network Processor (NNP) is capable of multiple instruction, multiple data path (MIMD) computation. An NNP system has the capability of storing the activation of 8k neurons at any one time as well as the capability to compute up to 32k interconnections per module. The computational capability of a single module is 140M interconnections per second (35mhz). An 8 module NNP system is capable of over one billion connections per second.

IRIX version compatibility:

SENTINEL™

Michael Simon
Vice President
AIB Software Corporation
1145 Herndon Parkway
Suite 200
Herndon, VA 22070
USA
703-787-7700
703-787-7720 (fax)
info@aib.com

SENTINEL™ is a multi-platform runtime analysis tool for C and C++ developers. SENTINEL locates and helps you correct dynamic memory related errors in C, C++ and X-Windows™ System programs. Used in the development, porting, and testing of production software, SENTINEL finds runtime errors wherever they occur--in your code, shared libraries or third party libraries. Source code is not required.

IRIX version compatibility:

Software Development Tools

SL-GMS

Paul Vela
Vice President, Sales
SL Corporation
240 Tamal Vista Boulevard
Suite 110
Corte Madera, CA 94925
USA
415-927-1724
415-927-0878 (fax)
gandhi!paul@uunet.uu.net
http://www.sl.com

SL-GMS is a toolkit for developing dynamic graphics screens for real-time or highly interactive applications. Developers can design application screens in a standard drawing-tool mode, connect them to real-time data sources and animate screen objects to visualize changing data values. SL-GMS allows the use of screen objects to control real world processes, and provided for the interchangeable use of MOTIF widgets and Microsoft Windows Controls.

SL-GMS is used extensively to provide real-time graphics for applications in the fields of manufacturing, process caontrol, network management, avionics, financial trading and transportation.

IRIX version compatibility: 5.2, 5.3, Pre 5.x

SMI Software Management Infrastructure

Kevin Jameson
President
Realcase Software Research
Corporation
800 Sixth Avenue, S.W.
Suite 490
Calgary, AB T2P 3G3
Canada
403-264-9717
403-289-3337 (fax)
jameson@realcase.com
http://www.realcase.com

Realcase designs and implements scalable, multi-platform software development tools. Our main product is a scalable, Internet-aware, knowledge-based, heavily automated software management infrastructure that can significantly reduce software development and maintenance costs. The SMI infastructure consists of these subsystems: 1. RPM Repository Management System, 2. MPCM Intelligent Build System, 3. ABS Automated Build System, 4. IRCS Information Rich Coding Style Tools, 5. CCS Change Control System.

IRIX version compatibility: 6.2

SNiFF+

Rudolf Zimmel
Product Manager
Take Five Software GmbH
Jakob-Haringer-Str. 8
Salzburg, 5020
Austria
43-662-4579-150
43-662-4579-156 (fax)
**rudolf_zimmel@takefive.
co.at**
http://www.takefive.com

SNiFF+ is a leading development environment for UNIX C and C++ development. It is the only tool which allows you to mix and match platforms, compilers, debuggers and CMVC tools with a consistent GUI.

A large team of intuitive and powerful browsers facilitate code comprehension. The concept of private and shared work spaces results in distributed development on any scale. Our unique parsing technology results in changes being immediately reflected in every tool. SNiFF+ is an industrial strength environment that scales to over 1 million lines of code.

IRIX version compatibility:

SQL*TextRetrieval ™

Please contact local SGI
office/sales rep,
or call
Oracle Corporation
500 Oracle Parkway
Redwood Shores, CA 94605
USA
800-800-SGI1
http://www.oracle.com/

SQL*TextRetrieval™ adds document retrieval capabilities to the Oracle7 Parallel Server Database. With SQL*TextRetrieval, you can integrate documents into strategic multimedia business applications. Using SQL*TextRetrieval with other Oracle tools, you can easily create customized doucment retrieval applications, or add document storage and retrieval capabilities to your existing applications.

IRIX version compatibility:

Software Development Tools

ST-Developer

Blair Downie
Product Manager
STEP Tools, Inc.
1223 Peoples Avenue
Troy, NY 12180
USA
518-276-2848
518-276-8471 (fax)
downie@steptools.com
http://www.steptools.com

ST-Developer is a software CASE environment for STEP. It contains a compiler for the EXPRESS information modeling language, tools for EXPRESS-G, the graphic version of EXPRESS, C and C++ programming libraries for working with EXPRESS-defined data and STEP exchange files. In addition, it contains conformance testing tools which use the worlds first EXPRESS interpreter to verify constraints on STEP data sets, and a STEP data browser and editor. Finally, the tool kit contains file format converters for IGES and Auto-CAD DXF, and various utilities for data management and schema migration.

IRIX version compatibility:

STW/Advisor

Rita Bral
VP, Marketing
Software Research, Inc.
625 Third Street
4th Floor
San Francisco, CA 94104
USA
415-957-1441
415-957-0730 (fax)
bral@soft.com
http://www.soft.com

Software Research's STW/Advisor suite of testing tools improves productivity, resource management, quality and predictability by providing static source code analysis and measurement. It performs a more detailed analysis of source code than compilers to detect trouble spots early in development. Seventeen metrics measure a program's data logic and size complexity, as well as size characteristics, aiding in decision-making in a quantitative manner. Test data/file generation increases the breadth of a test suite to more fully test applications.

STW/Advisor's static analysis is available for the C language and metric analysis is available for C, C++, Ada and FORTRAN.

IRIX version compatibility:

STW/Coverage

Rita Bral
VP, Marketing
Software Research, Inc.
625 Third Street
4th Floor
San Francisco, CA 94104
USA
415-957-1441
415-957-0730 (fax)
bral@soft.com
http://www.soft.com

The STW/Coverage multi-platform suite of testing tools provides measurements to determine how test cases exercise a program, and identifies what has not been exercised. It uses three measurements to ensure the thoroughness of test cases: logical branch (C1) for unit testing, function-call (S1) for system and integration tests, and path class (Ct) for testing critical functions. STW/Coverage is independent of the runtime environment, allowing it to work for host-based, client/server and embedded applications. Using available reports and charts, you can easily navigate to your source code to quickly pinpoint under-exercised areas. STW/Coverage is available for C, C++, Ada, COBOL and FORTRAN.

IRIX version compatibility:

STW/Regression

Rita Bral
VP, Marketing
Software Research, Inc.
625 Third Street
4th Floor
San Francisco, CA 94104
USA
415-957-1441
415-957-0730 (fax)
bral@soft.com
http://www.soft.com

STW/Regression is part of the comprehensive Software TestWorks (STW) multi-platform suite of testing tools. STW/Regression provides a complete solution for automating and managing the execution and verification of tests on both text and GUI-based applications.

The STW/Regression product line (CAPBAK, EXDIFF and SMARTS) significantly increases test speed and accuracy, improving cycle time and quality while allowing the re-use of tests on each release. STW/Regression is ideal for host and client-server applications with automated load generation from a single workstation for multi-user client-server applications. A C-language interpreter allows all events and actions to be recorded as standard C function calls.

IRIX version compatibility:

Software Development Tools

Sammi 4.0

Mike Teague
Kinesix
9800 Richmond Avenue
Suite 750
Houston, TX 77042
USA
713-953-8300
713-953-8306 (fax)
sammi@kinesix.com
http://www.kinesix.com/

Sammi is the premier Dynamic Data Visualization Tool (DDVT) offering simple and efficient development, testing, and maintenance of graphical applications based on the X Window Systems. Sammi's advanced architecture is ideal for real-time command and control systems as well as mission-critical client/server applications demanding high performance. A rich graphical development tool, Sammi gives you the ability to integrate applications distributed throughout a network without writing any Graphical User Interface (GUI) or network code.

IRIX version compatibility:

SandiaXTP

Larry Green
President
XTP Forum
1394 Greenworth Place
Santa Barbara, CA 93108
USA
805-565-4989
805-565-0699 (fax)
green@xtp.com

SandiaXTP, Release 1.3, is an object-oriented implementation of the Xpress Transport Protocol® (XTP). SandiaXTP is written in C++, developed on Silicon Graphics Indy platforms, and is easily ported to a variety of UNIX machines, running in user space. A typical application is technical team collaboration with a distributed audio visual environment over ATM networks. XTP features include rate control, data system synchronization, reliable multicasting to a selected group, selective re-transmission, message sorting by priority, fixed length headers and IP checksum for efficient processing.

IRIX version compatibility:

Sapiens® Ideo™

Greg Abbott
Sapiens/Smartstar
2525 Meridian Parkway
Suite 300
Durham, NC 27709-3962
USA
919-405-1500
919-405-1700 (fax)
info@sapiens.com
http://www.sapiens.com/

Sapiens® Ideo™ a complete Rapid Application Development solution allowing users to cut development and maintenance costs, and deliver applications in short periods of time. Ideo is a fully distributed and scaleable client/server environment. Ideo useds a graphical-user-interface (GUI) that improves productivity by allowing users to intuitively access and manipulate data. Ideo's use of object-oriented technology provides key benefits such as encapsulation, inheritance, and polymorphism from a SQL database class hierarchy thus eliminating procedural code. Older 3GL program modules can be integrated from extensive-supplied routines and objects, as well as re-use of existing code. Costs range from $3,500 to $8,000.

IRIX version compatibility:

Schmooz™

Denise Berg
Business Manager
GW Hannaway &
Associates, Inc.
839 Pearl Street
Boulder, CO 80302
USA
303-440-9631
303-440-4421 (fax)
denise@gwha.com
http://www.gwha.com

Schmooz is a must for Silicon Graphics users working with images. Schmooz easily converts image files between several standard file types. It automatically recognizes all file types it supports, and guesses information about unknown raw image files. Preview, resize, crop, compress, flip, invert, estimate disk space of conversions, and more! The resize option offers a variety of filter types. Perform batch and animation conversions with full frame-padding capabilities, and view each frame in preview mode. Color controls convert files between RGB, CMYK, and YUV.

IRIX version compatibility: 5.3, 6.2

Software Development Tools

Segue QualityWorks™

Kim Lussier
Segue Software, Inc.
1320 Centre Street
Newton, MA 02159
USA
617-796-1000
617-796-1610 (fax)
info@segue.com
http://www.segue.com

Segue QualityWorks™ is the only automated software testing solution available that can validate all components of your client/server applications--across multiple platforms and releases, completely unattended, with one set of reusable scripts. QualityWorks includes Segue's GO! automatic testing product, QA Partner® testing system, and QA Planner for test planning and management.

IRIX version compatibility:

SoftQuad Sculptor™

Sales Department
SoftQuad, Inc.
56 Aberfoyle Crescent
Suite 810
Toronto, On M8X 2W4
Canada
416-239-4801
416-239-7105 (fax)
info@sq.com
http://www.sq.com

SoftQuad Sculptor™ customizes Author/Editor™ for full integration into your production systems. It allows users to automate functions and it supports the specific non-SGML requirements of major implementations. The package includes Author/Editor, working sample scripts and a fully-documented object-oriented scripting language that understands SGML structures.

IRIX version compatibility: 5.3, 6.2

Software TestWorks

Rita Bral
VP, Marketing
Software Research, Inc.
625 Third Street
4th Floor
San Francisco, CA 94104
USA
415-957-1441
415-957-0730 (fax)
bral@soft.com
http://www.soft.com

Automate and streamline your software testing process with Software Research's Software TestWorks (STW™), a fully integrated, multi-platform suite of testing tools which improve the efficiency of a project while maintaining--and improving--quality. STW is composed of three product bundles: STW/Regression, STW/Coverage, and STW/Advisor. STW/Regression (CAPBAK, EXDIFF and SMARTS) automates test execution with true-time, OCR and Object-Oriented Record and Replay and test management. STW/Coverage analysis tools (TCAT, S-TCAT, TCAT-PATH and T-SCOPE) assure that your test cases thoroughly exercise your program at unit, system and integration levels. STW/Advisor (METRIC, STATIC and TDGEN) provides static analysis with metrics, syntax and semantic checking, and test data generation.

IRIX version compatibility:

Source Code Manager™

Sue Glassberg
Sales Director
UniPress Software, Ltd.
2025 Lincoln Highway
Edison, NJ 08817
USA
908-287-2100
908-287-4929 (fax)
sue@unipress.com
http://www.unipress.com/

Source Code Manager (SCM)™ is an advanced tool for managing the source and binary files of multi-programmer projects, tracking revisions to the entire software system and making all releases consistent across the programming team. SCM combines UNIX X Windows functionality with powerful file access management and release revision tracking, without the SCCS/RCS hassles. Support for parallel development keeps all files available to all programmers at all times - never keeping programmers waiting for files to be checked in and out.

SCM's Modification Request System allows programmers to customize the flow, path, priority and status of modification requests, and whether each source code change must be tied into the request system.

IRIX version compatibility:

Software Development Tools

TAE Plus

Karen Newcomb
Information Analyst
COSMIC
382 East Broad Street
Athens, GA 30602
USA
706-542-3265
706-542-4807 (fax)
service@cosmic.uga.edu
http://www.cosmic.uga.
edu/pub/SGI.html

TAE, Transportable Applications Environment Plus, Version 5.2, is an integrated, portable environment for developing and running interactive window, text, and graphical object-based application systems. The program allows both programmers and non-programmers to easily construct their own custom application interface and to move that interface and application to different machine environments. When used company-wide for a wide range of applications, TAE Plus makes both the application and the machine environment transparent, with noticeable improvements in the learning curve. Implemented under iRIX 4.0.5f. Available by license. Version 5.3 of TAE Plus is a commercial version available form Cnetury Computing (1+800+823-3228).

IRIX version compatibility:

TAOS: The BB(x) Developers Workbench™

Jeb Boldins
Product Marketing
BASIS International Ltd.
5901 Jefferson Street, N.E.
Albuquerque, NM 87109-3432
USA
505-345-5232
505-345-5082 (fax)
jboldin@basis.com
http://www.basis.com

TAOS: The BB(x) Developers Workbench™ is a high productivity 4GL environment for building custom applications that are portable across a variety of platforms based on Windows™, UNIX® and other operating systems. TAOS consists of a sophisticated Data Dictionary, Form Generator, Menu System, and the TAOS Language and Compiler. It overcomes the inflexibility of most 4GLs by giving developers the ability to qualify verbs and arguments, thereby customizing their behavior.

IRIX version compatibility:

TED

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

TED is a highly responsive graphical user environment (GUE) that simplifies UNIX for the novice and enhances Motif application development for the expert.

TED is the CDE (Common Desktop Environment) from the COSE consortium, which is based on VUE. VUE and TED provide your path to CDE.

TED is built on industry standards: UNIX, the X Window System, and OSF/Motif. It lets you perform drag-and-drop processing and graphical file manipulation. And, it is the only product of its kind that provides multiple workspaces (virtual screens) that are fully integrated with the desktop.

- Increased Performance
- New Components
- Icon editor, text editor, audio annotation
- New Help Manager
- Enhanced Customization
- Easy Installation
- More Graphical Representation
- Includes Motif

IRIX version compatibility: 5.3, 6.2

Software Development Tools

TRUEchange™

Pat Bolis
Marketing Specialist
True Software, Inc.
300 Fifth Avenue
Waltham, MA 02154
USA
617-890-4450
617-890-4452 (fax)
info@truesoft.com
http://www.truesoft.com

TRUEchange™ is a rapid team development system that is ideally suited for Information Technology departments who perform a high volume of software changes; who operate across Windows, Windows NT, Unix, and VMS platforms; who require a secure environment to protect their software assets; and who must synchronize work across teams, locations, releases, and customized application variants.

Unlike typical file delta systems, TRUEchange groups related modifications across multiple files in a single logical unit: a change-set™. Deevelopers can add or remove specific change-sets to software releaes and variants, managing projects in the natural context of problem fixes and/or enhancements.

IRIX version compatibility: 5.x

TeleUSE™

Andrea Williams
Marketing Communications
Thomson Software Products
10251 Vista Sorrento
Parkway
Suite 300
San Diego, CA 92121
USA
619-457-2700
619-452-1334 (fax)
http://www.thomsoft.com/

TeleUSE® is an object-oriented User Interface Management System for the interactive development of OSF/Motif™ GUIs. TeleUSE provides all the tools developers need to interactively design and build fully object-oriented, Motif-based GUIs in C, C++ or Ada, supporting Motif™ 1.2 and X11R5. TeleUSE supports the entire lifecycle of GUI application development - from concept through design and development, testing and maintenance.

IRIX version compatibility:

TeleUSE/DB™

Andrea Williams
Marketing Communications
Thomson Software Products
10251 Vista Sorrento
Parkway
Suite 300
San Diego, CA 92121
USA
619-457-2700
619-452-1334 (fax)
http://www.thomsoft.com/

From the World Leader in Software Engineering Solutions Thomson Software Products is a leading developer and supplier of software engineering tools and environments, with additional emphasis on consulting, training and services. These tools are designed to improve the quality of software applications and the productivity of programmers using open systems. Our software engineering tools are renowned for their reliability, performance and adherence to industry standards.

TeleUSE/DB Features:

• GUI layout and behavior in minutes
• Open System Multi-database implementation
• Simplified portable SQL server calls
• Rapid Prototyping
• Full migration path to the TeleUSE User Interface Management System (UIMS)
• Access to 100% of Motif - and more

IRIX version compatibility:

Software Development Tools

TeleUSE/Win

Andrea Williams
Marketing Communications
Thomson Software Products
10251 Vista Sorrento
Parkway
Suite 300
San Diego, CA 92121
USA
619-457-2700
619-452-1334 (fax)
http://www.thomsoft.com/

TeleUSE/Win allows you to create a GUI for UNIX using TeleUSE - the most powerful tool on the market today for building high-end, mission-critical X/Motif GUI applications - then easily translate your GUI into one that runs on Windows 3.x or NT. Not only do the resulting user interfaces match or exceed user expectations, they also are readily portable to today's most widely used platforms.

TeleUSE/Win features:

• Increased UNIX-to-Windows Portability
• Implementation with C++ MicroSoft Foundation Class Libraries
• Generation of Native Windows Code
• World-Class Support for Client/Server Development.

   IRIX version compatibility:

Telewindows®

David Siegel
Gensym Corporation
125 CambridgePark Drive
Cambridge, MA 02140
USA
617-547-2500
617-547-1962 (fax)
info@gensym.com
http://www.gensym.com

Telewindows® is a multi-user, client-server environment that allows users to simultaneously access a G2 application form on PCs or workstations. Telewindows' client/server architecture provides a powerful environment for sharing on-line knowledge. The architecture makes efficient use of network bandwidth for fast response between a G2 server and its clients. While on-line, the G2 server can provide real-time data as well as reasoning and advice to Telewindows users throughout the world.

IRIX version compatibility:

TestGen®

Thomas Radi
President
Scientific Toolworks, Inc.
115 Etna Road
Suite 18A
Lebanon, NH 03766
USA
909-625-6147
909-626-9667 (fax)
http://www.scitools.com

TestGen provides assistance in all phases of the software lifecycle. The Design Review Expert Assistant tool prepares a software design review for each unit. It finds every possible set of design conditions and shows the users the expected result for each set of conditions.

The Unit Test Strategy Generator prepares a preliminary test procedure for each unit using the following techniques:

• Complete path testing
• Total branch coverage testing
• Structured testing

The Test Coverage Analyzer, by "instrumenting" the Ada code, will report on the extent of test coverage, including checking if all of the statements were executed.

IRIX version compatibility: 5.3, 6.2

Software Development Tools

TestGen®-C

Thomas Radi
President
Scientific Toolworks, Inc.
115 Etna Road
Suite 18A
Lebanon, NH 03766
USA
909-625-6147
909-626-9667 (fax)
http://www.scitools.com

TestGen®-C consists of Design Review Expert Assistant (DREA) and Unit Test Strategy Generator (UTSG).

The DREA prepares a software design review for each function based on analysis of CDADL pseudo-code. Each possible path through the design is described including the conditions required to transverse that specific path and the statements which comprise the path.

The UTSG analyzes executable C code to aid in preparing Unit Test procedures for each function. Users can select test strategies from the following techniques: complete path, total branch coverage, and structured (McCabe methodology).

IRIX version compatibility:

Tool.h++™

Sue Lindsey
Manager, Partnerships
Rogue Wave Software, Inc.
260 S.W. Madison
P.O. Box 2328
Corvallis, OR 97339
USA
541-754-3010
541-757-6650 (fax)
sales@roguewave.com
http://www.roguewave.
com

Tool.h++™ is an internationalized and localized C++ foundation class library. Contains over 100 classes including dates, time, files, Btree, collections, link lists, queues, stacks and more. Provides DDE and clipboard stream buffer classes for data exchange with other applications while using stream I/O. Offers regular expression and tokenizer classes, expanded virtual I/O streams and error checking. Includes tools for implementing exceptions and multi-threaded programs. Also includes persistence for objects as well as a faster string clsss.

IRIX version compatibility:

ToolDesigner

Kim Penton
Marketing Director
CIMLINC, Inc.
1699 Stutz Road
Troy, MI 48084
USA
810-649-0240
810-643-7185 (fax)
800-225-4973 (tollfree)
kim.penton@cimlinc.com
http://www.cimlinc.com/
msg/

Please call for product information.

IRIX version compatibility:

Software Development Tools

ToolMaker™

Kim Penton
Marketing Director
CIMLINC, Inc.
1699 Stutz Road
Troy, MI 48084
USA
810-649-0240
810-643-7185 (fax)
800-225-4973 (tollfree)
kim.penton@cimlinc.com
http://www.cimlinc.com/
msg/

ToolMaker™ supports 3-axis cutter paths for ballnose, flat and corner radius endmill cutters, offering interference-free machining across an unlimited number of complex surfaces. The software emulates the concepts of a copymill and cuts parts of a surface which can be seen when looking along the projection of the tool axis into the cutting plane. ToolMaker provides visual feedback for all tool motions defined as well as acceptance of data from other surface programs.

IRIX version compatibility:

TowerEiffel

Madison Cloutier
VP, Marketing
Tower Technologies
Corporation
1501 W. Koenig Lane
Austin, TX 78756
USA
512-452-9455
512-452-1721 (fax)
madison@twr.com
http://www.cm.cf.ca.uk/
Tower/

The TowerEiffel System is an advanced software engineering environment for developing and maintaining complex applications. TowerEiffel is a complete development system that include high performance Eiffel 3 compiler, open development environment, programming tools, and base set of reusable software components. Key features include global system optimization, user configurable garbage collectors, exception handling, automatic system builds and documentation generation, built in support for testing and debugging including support for Eiffel, C, and C++ interoperability. Optional reusable class libraries available for data structures, simulation, and database interfaces. Additionally, Tower offers educational and consulting services as well as specialized research and development.

IRIX version compatibility:

Transducer™

Russell Goldsmith
Harlequin Limited
Longstanton House,
Woodside
Longstanton, CA CB4 5BU
UK
44-01954-785480
44-01954-785444 (fax)
russellg@harlequin.co.uk

Transducer™ is Harlequin's Lisp Works® delivery mechanism, available in two formats:

1) LispWorks UNIX to UNIX Delivery - used to produce end user applications of a research or commercial nature. It does not cross sompile applications software. It 'shakes' out non-essential areas and then delivers a compact runtime image of the application (built in LispWorks).

2) LispWorks UNIX to Windows Delivery - a layered product allowing users to cross-compile a complex LispWorks application on a UNIX platform for delivery onto PCs running Microsoft Windows 3.1.

IRIX version compatibility:

Software Development Tools

True BASIC™ Development Package

Alex Cuthbert
Research and Development
TrueBASIC, Inc.
12 Commerce Avenue
West Lebanon, NH 03784
USA
603-298-8517
603-298-7015 (fax)
alex@truebasic.com
http://www.truebasic.com/

True BASIC, written by John Kemeny and Tom Kurtz, authors of the original BASIC, is a powerful, easily learned, structured programming language that offers increased speed, extraordinary graphics, and virtually limitless flexibility. True BASIC provides extensive 2-D and 3-D graphics capabilities, matrix operations, mouse control, a user-defined color palette, and animation tools.

Version 2.0 of the True BASIC Development Package supports both RGB and color map mode, Gourard shading, double buffering, and other Silicon Graphics®-specific features. True BASICS runs on DOS, Windows, OS/2, Macintosh, and most UNIX platforms.

IRIX version compatibility: Irix 6.1

UIL/Trans

Ingrid Leon
Mktg & Sales Manager
Advanced Technology
Center
22982 Mill Creek Drive
Laguna Hills, CA 92653
USA
714-583-9119
714-583-9213 (fax)
ileon@atc.com
http://www.atc.com/

UIL/Trans is a companion product to ATC's AXI that allows ADA developers to convert User Interface Language (UIL) calls to ADA. UIL, generated by various screen builders, is a "universal" format for indirect procedure calls to Widgets. Using UIL is significantly less difficult for the programmer (and more portable) than making direct procedure calls to Motif. UIL/Trans will support UIL output to the AXI: X/Motif ADA Interface product.

IRIX version compatibility:

UIM/Ada™

Julia K. Miller
Business Development
Black & White Software,
Inc.
1901 S. Bascom Avenue
Suite 700
Campbell, CA 95008
USA
408-369-7409
408-369-7406 (fax)
julia@blackwhite.com
**http://www.blackwhite.
com**

Black & White Software, Inc., is the leading developer of extended technology for UIM/X™. UIM/Ada™ provides the Ada programmer access to the technology of UIM/S, the leading OSF/Motif™-based GUI builder, for the construction of pure Ada user interfaces. Fully integrated with the OSF/Motif Toolkit™, UIM/Ada contains a WYSIWYG editor to allow you to graphically select OSF/Motif widgets to draw your interface. UIM/Ada gives programmers complete access to all widgets and their resources and editors. Define the user interface behavior and use the built-in interpreter to test the widgets, menus, dialog boxes, and other behavior of your user interface.

IRIX version compatibility:

Software Development Tools

UIM/X™

Jeff Sauer
Senior Technical Mktg Eng
Visual Edge Software Ltd.
19925 Stevens Creek
Boulevard
Suite 123
Cupertino, CA 95014
USA
408-973-7823
408-973-7250 (fax)
info@vedge.com
http://www.vedge.com

UIM/X 3.0 is a 3rd generation visual development tool with advanced GUI layout functionality, sophisticated visual constraint editing and comprehensive features for interactively adding logic and behavior to user interfaces during design.

UIM/X 3.0 contains an embedded, robust ANSI-compliant C++ interpreter. The C++ interpreter is at the heart of UIM/X, enabling developers to preview working applications built in standard programming languages without ever leaving the tool. Incremental changes to the GUI can be made while the underlying application is connected and fully functional. This allows professionals to realize dramatic productivity gains and avoid time consuming "compile-edit-debug" development cycles.

UIM/X 3.0 offers a visual editor for adding behavior. The Connection Editor enables developers to graphically connect components and add sophisticated behavior by using simple visual techniques such as drag and drop. Users with little or no programming experience can create fully functional interfaces in minutes.

UIM/X 3.0 visual model for building highly reusable GUI components insupports true object either C or C++. oriented development, providing a visual model for building highly reusable GUI components in either C or C++. UIM/X enables developers to graphically define class hierarchies with inheritance, encapsulation and polymorphism. Using the same component based architecture, our Cross-Platform Toolset (CPT) extends deployment to Win95/WinNT and Java. UIM/X generates high-quality C++, ANSI or K&R C code, and also UIL.

IRIX version compatibility: 5.3

UIM/X™ - Black & White Software, Inc.

Julia K. Miller
Business Development
Black & White Software,
Inc.
1901 S. Bascom Avenue
Suite 700
Campbell, CA 95008
USA
408-369-7409
408-369-7406 (fax)
julia@blackwhite.com
**http://www.blackwhite.
com**

Black & White Software, Inc. is the leading developer of extended technology for UIM/X™. UIM/S, the market-leading OSF/Motif GUI builder, offers unparalleled functionality to let you quickly and easily develop user interfaces for your applications. UIM/X provides developers with the ability to interactively develop graphical C++ classes, build interfaces that are portable across platforms, and define all type of GUI behavior from within a single tool

IRIX version compatibility:

UIM/X™ - Bluestone, Inc.

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

UIM/X™ is a comprehensive second generation graphical User Interface (GUI) Builder and manager. It enhances programmer productivity by enabling software developers to interactively create, modify, test and generate code for the user interface portion of their application. UIM/X features a builtin C interpreter that can load and execute application source or object code, providing robust project lifecycle support. In addition, UIM/X can create interfaces which may readily be ported across platforms, as well as create iconic interfaces for existing keyboard-oriented applications. Using UIM/X, software developers can literally save man-years of effort and investment in creating their applications.

Prerequisite for UIM/X 2.5: Motif1.2, X11R5, IRIX 5.x

IRIX version compatibility:

Software Development Tools

UIM/X™ Builder Engine

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

The architecture of UIM/X™ consists of a core Builder Engine surrounded by a wide variety of configurable editing tools and productivity enhancing capabilities. With this architecture, software developers can use the full power of UIM/X for rapid application interface development and follow that by creating customized subsets of UIM/X which they provide to their customers for specific vertical market GUI development. This lets software developers leverage the power of UIM/X to create an enhanced, flexible Graphical User Interface for their applications, and focus on the core application. The result is more complete software and lower development costs.

IRIX version compatibility:

UIM/Xtend Deluxe™

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

Now you can get many enhancements to increase your UIM/X productivity: on-line help, printing, CodeCenter/ObjectCenter integration, and other new features, as well as UIM/Xtend Editing and UIM/Xtend widgets.

IRIX version compatibility:

Umbel™ Programming Environment

Donalda Speight
Manager of Operations
Inflorescence, Inc.
1631 N.W. Johnson Street
Portland, OR 97209
USA
503-223-3883
503-223-4221 (fax)
info@inflor.com
http://www.inflor.com/

The Umbel™ Programming Environment is based on the Behavior Engine™, a new technology for representing, storing and producing complex behaviors. The Behavior Engine removes the last barrier between data ("object") and code ("methods"). Behaviors are represented by objects in a class system. Subclasses include concurrency and scheduling primitives, and "program-oriented objects", covering territory normally served by textual programming methods in an object-oriented algorithm language. Umbel behavioral objects can be distributed on the World Wide Web, enabling a global programming and simulation environment. Umbel provides the tools necessary to developers to access behavior classes, and to create new behaviors and behavior classes.

IRIX version compatibility: 5.3

UniSoft DV

Guy Hadland
General Manager
UniSoft Corporation
1250 Bayhill Drive
Suite 200
San Bruno, CA 94066
USA
415-794-2666
415-794-2668 (fax)
grh@unisoft.com
http://www.unisoft.com

UniSoft DV is a set of tools which is used for managing large amounts of source, when SCCS isn't enough. It supports multiple independent projects working from the same set of source, insulating them from each other while maximizing the sharing of common source files. It allows the user the ability to take snapshots of source at anytime.

IRIX version compatibility:

Software Development Tools

UniSoft Robacom

Guy Hadland
General Manager
UniSoft Corporation
1250 Bayhill Drive
Suite 200
San Bruno, CA 94066
USA
415-794-2666
415-794-2668 (fax)
grh@unisoft.com
http://www.unisoft.com

UniSoft Robacom allows physically separate sites to access and/or modify the same set of source under DV control. It works in conjunction with UniSoft's DV but does not depend on any particular communication mechanism.

IRIX version compatibility:

Universal I/O Driver (UIOD)™

George M. Stroud
Marketing Communications
Manager
VMIC
12090 S. Memorial Parkway
Huntsville, AL 35803
USA
205-880-0444
205-882-0859 (fax)
http://www.vmic.com/

The Universal I/O Driver (UIOD)™ provides an easy way to develop an application using VMIC I/O boards. Using library routines modeled after their familiar UNIX open (2), read (2), write (2), close (2) and ioctl (2) counterparts, an applications program can readily exchange raw data with a VMEbus I/O subsystem.

The VMEbus I/O products to be used are first described by a configuration control table that the applications program provides to the UIOD library's initialization routine. Once this is done, the applications program can manipulate groups of one or more I/O points as a collective unit.

IRIX version compatibility:

VAST®/77to90

David McNamara
Product Manager
Pacific-Sierra Research
Corporation
2901-28th Street
Santa Monica, CA 90405
USA
310-314-2338
310-314-2323 (fax)
dave@psrv.com
http://www.psrv.com

VAST®/77to90 is an automatic Fortran 77 to Fortran 90 translator that allows you to upgrade existing Fortran 77 programs to a higher level. It includes automatic generation of multi-dimensional array syntax from DO loops, removal of obsolete features such as arithmetic IFs, advanced conversion of COMMONs to MODULEs, replacement of GOTOs and labels with CYCLEs and EXITs, automatic generation of interface blocks, and much more. VAST/77to90 is easy to use, and can save you lots of time in updating your code to a more modern, efficient, and maintainable level.

IRIX version compatibility: 6.2

VCL™

Elaine Bedard
Corporate Sales Manager
Boston Business
Computing, Ltd.
13 Branch Street
Methuen, MA 01844-1955
USA
508-725-3222
sales@bbc.com
http://www.bbc.com

VCL™ is a VMS emulator for MS-DOS and UNIX operating systems that emulates the Digital Command Language (DCL). VCL lets you continue using familiar VMS commands as you move from VMS to MS-DOS or UNIX environments.

All Popular VMS Commands and Utilities. VCL, provides over 50 commands and utilities with over 300 qualifiers. You can include system commands, program data, logical expressions, lexicals, and interactive user prompts in VCL command files. VCL supports complete VMS file specifications, including directory and sub-directory specifications. The following VMS utilities are among those provided with VCL: DIFFERENCES, DUMP, ENCRYPT, MERGE, REPLY, SEARCH, and SORT.

IRIX version compatibility:

Software Development Tools

Vbackup™

Elaine Bedard
Corporate Sales Manager
Boston Business
Computing, Ltd.
13 Branch Street
Methuen, MA 01844-1955
USA
508-725-3222
sales@bbc.com
http://www.bbc.com

Vbackup™ provides a full system backup. In addition, Vbackup allows you to transfer VMS save sets onto a UNIX System. Systems can run in normal multi-user mode while Vbackup performs a full system backup. Vbackup locks files against multiple write access, and detects and warns of potential inconsistencies if other processes override locks.

Vbackup saves and restores all standard and many nonstandard UNIX file types and characteristics, including hard and soft links, sparse files, file ownership and protection, access and modification times, AIX trusted computing base attribute, special files, and FIFOs.

IRIX version compatibility:

View.h++™

Sue Lindsey
Manager, Partnerships
Rogue Wave Software, Inc.
260 S.W. Madison
P.O. Box 2328
Corvallis, OR 97339
USA
541-754-3010
541-757-6650 (fax)
sales@roguewave.com
**http://www.roguewave.
com**

View.h++™ is a powerful and efficient C++ class library that encapsulates 100% of the functionality of the OSF's industry-standard Motif GUI. By laying a thin veneer of C++ code over Motif, View.h++ gives you all the benefits of the C++ object-oriented programming model, with minimal overhead. Plus, this easy-to-use library encapsulates all of the X-Intrinsics, and gives you the access to X-Window, if you should need it. It also adds such powerful features as a Model-View-Controller architecture, full persistence, and a layer of higher-level application classes that support common design patterns. Together, these features make View.h++ the most comprehensive and powerful C++ foundation available for GUI development. Available as object and source.

IRIX version compatibility:

ViewKit ObjectPak™

Aubrey Harden
Integrated Computer
Solutions, Inc.
201 Broadway
6th Floor
Cambridge, MA 02139
USA
617-621-0060
617-621-9555 (fax)
harden@ics.com
http://www.ics.com/

ViewKit ObjectPak™ is a C++ application framework designed to simplify the task of developing UNIX applications, particularly those based on the OSF/Motif user interface toolkit.

The ViewKit framework promotes consistency by providing a common architecture for applications and improves programmer productivity by providing high-level, and in many cases automatic, support for commonly-needed operations. In addition to providing facilities normally associated with a graphical user interface, the framework serves as a central integration platform for other facilities applications typically need. These include support for inter-application communication, process control, and automatic on-line context-sensitive help.

IRIX version compatibility:

Visual Action Toolset™

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

The Visual Action Toolset™ is a collection of advanced development tools that work together with Adobe's Display PostScript™ system and the OSF/Motif™ widget set to enable the creation of Live Document™ interfaces. The Visual Action Toolset brings Adobe's PostScript language- the technology that revolutionized the desktop publishing and graphics industries - to graphical application development.

Must have Adobe display PostScript Server. This is included with SGI IRIX 5.1.1, IBM AIX 3.2.4, Solaris 2.3, DEC Alpha OSF/1. It must be added to SunOS 4.1.3.

IRIX version compatibility:

Software Development Tools

Visual Action Toolset™

Jeff Sauer
Senior Technical Mktg Eng
Visual Edge Software Ltd.
19925 Stevens Creek
Boulevard
Suite 123
Cupertino, CA 95014
USA
408-973-7823
408-973-7250 (fax)
info@vedge.com
http://www.vedge.com

The Visual Action Toolset is a full suite of software libraries, widgets, fonts, sample programs and documentation that enables developers to create a new generation of graphical applications that take advantage of the Adobe's high-quality graphics available through Adobe's Display PostScript system -- visual applications that simply are not practical to build with X, Motif and related tools.

The Visual Action Toolset is the first suite of tools available to assist Motif developers in the creation of Live Document applications -- that is, interactive documents that act as useful tools for problem solving, business reporting and management, personal productivity and a host of other activities. Using the toolkit, developers can build visual applications that overlay GUI behavior on the same high-quality graphics previously available through desktop publishing systems. With the toolset, any document that can be printed to PostScript device can be quickly and easily transformed into a live document within an application.

IRIX version compatibility: 5.3

Visual PRO/5™

Jeb Boldins
Product Marketing
BASIS International Ltd.
5901 Jefferson Street, N.E.
Albuquerque, NM 87109-3432
USA
505-345-5232
505-345-5082 (fax)
jboldin@basis.com
http://www.basis.com

Visual PRO/5™ provides a graphical, interpretive environment for developing sophisticated business applications. Developers can interrupt an executing program (either public or CALLed), examine the state of the program, edit the code, modify variables and resume execution from the point of interruption. Visual PRO/5 is constructed around a multi-keyed file structure that enables manipulation of unlimited-length dynamic strings. Transaction tracking and journaling are offered for improved data security. It supports business math with 16-digit precision, and both string and numeric arrays of up to three dimensions.

Visual PRO/5 is ODBC compliant, supports DDE as a client and affords absolute portability of applications and data across multiple operating environments including DOS and UNIX-os based systems.

IRIX version compatibility:

Visual SlickEdit®

Margaret Klemmer
Marketing Manager
MicroEdge, Inc.
P.O. Box 988
Apex, NC 27502-0988
USA
919-303-7400
919-303-8400 (fax)
http://www.slickedit.com

Visual SlickEdit® is a configurable programmer's editor. Create menus and buttons, record macros, even remap the keyboard. The best CPU, Brief, Emacs, and vi emulations are also available. Visual SlickEdit® has project management, version control support, line/column/stream selection, compiler error processing, drag-and-drop editing and Smart-Paste™. Other features include: compile/make from the button bar, multiple clipboards, procedure tagging, unlimited undo/redo (past saves), fast search/replace across multiple files, and on-line manual. Visual SlickEdit® also has special support for many programming languages including syntax color-coding, expansion and indenting. Customized Visual SlickEdit® with its object-oriented C-style macro language, DLL interfacce, and built-in dialog editor.

IRIX version compatibility: 5.3, 6.0, 6.1, 6.2, 6.x

Software Development Tools

Visual Works™, Visual Wave™

Martin Yam
Vice President Sales
ParcPlace Digitalk, Inc.
999 East Arques Avenue
Sunnyvale, CA 94086
USA
408-773-7426
408-481-0214 (fax)
http://www.parcplace.com

A software development environment for the general purpose language Smalltalk 80. The environment is positioned as an ADE, for developing client/server/web applications.

IRIX version compatibility:

Vmail™

Elaine Bedard
Corporate Sales Manager
Boston Business
Computing, Ltd.
13 Branch Street
Methuen, MA 01844-1955
USA
508-725-3222
sales@bbc.com
http://www.bbc.com

Vmail™ is a user interface for UNIX mail which emulates Digital's VMS Mail utility. It lets you continue using familiar VMS MAIL commands as you move to the UNIX environment. With Vmail, you can correspond transparently with UNIX mail users on the network.

Vmail provides over 39 commands such as READ, SEND, FILE, and EXTRACT. For added flexibility, lists of messages can be affected with a single command without the need to SELECT and MOVE each message to a special folder. With Vmail, you can use either VMS or UNIX style names when referencing external files.

IRIX version compatibility:

VxWorks® Real-Time Operating System

Ralph Thomas
Product Marketing Mgr
Wind River Systems, Inc.
1010 Atlantic Avenue
Alameda, CA 94501
USA
510-748-4100
510-814-2010 (fax)
ralph@wrs.com

VxWorks® is the premier real-time operating system for developing complex real-time and embedded applications on a wide variety of target processors.

VxWorks is designed for scalability, with hundreds of possible configurations. At its heart is the highly efficient wind™ microkernel, which supports fast multitasking and both pre-emptive and round-robin scheduling. Intertask communication mechanisms include shared memory, message queues, pipes, sockets, RPC, and signals. Semaphores include binary, counting and mutual exclusion with priority inheritance.

VxWorks suppors a wide range of industry standards including POSIX 1003.lb Real-Time Extensions, ANSI C and TCP/IP netwroking.

IRIX version compatibility: 5.3

WebOLAP

Jim Frome
Marketing Manager
Information Advantage
7905 Golden Triangle Drive
Eden Prairie, MN 55344-
7227
USA
612-833-3700
612-833-3701 (fax)
jim.frome@infoadvan.com
http://www.infoadvan.com

WebOLAP is an HTML interface to Information Advantage's DecicsionSuite Server. WebOLAP targets busy decision making professionals and casual analysts with robust OLAP reporting requirements via Web Browsers. WebOLAP is the first web based OLAP application to support interactive access to relational data. Using a Web Browser, WebOLAP user author new reports by selecting filters and calculations published by Analysis users. WebOLAP users can receive critical, "live", exception and standard reports. Drill up, down, across business dimensions and attributes, and export results with a spreadsheet hot-link.

IRIX version compatibility: 5.3

Software Development Tools

WebSpace Viewer/Navigator for the Internet

Robert Weidman
Vice President, Marketin
Template Graphics
Software, Inc.
9920 Pacific Heights Blvd.
Suite 200
San Diego, CA 92121-4331
USA
619-457-5359
619-452-2547 (fax)
http://www.sd.tgs.com/
~template

WebSpace was developed using the open Inventor toolkit and supports viewing of Virtual Reality Modeling Language (VRML) and Open Inventor files on the Internet. WebSpace is an add-on module for text-based browsers and allows 3-D navigation of the net via the World-Wide Web (WWW).

Open Inventor is the basis for the Virtual Reality Modeling Language, the standard for graphics on the Internet. TGS co-developed VRML 1.0 and WebSpace with Silicon Graphics. The Open Inventor file format (.iv) is also being considered as the basis for future ANSI/ISO metafile conditions.

TGS has the premier Open Inventor for Windows NT and 95, supporting 100% of the API, features, look and feel of the UNIX versions. TGS is unique in supporting the libSoXT component library while offering libSoWin32 and libSoMFC for tighter integration into the Windows environment.

TGS is providing Open Inventor, VRML and WebSpace on all non-SGI UNIX platforms (AIX, Solaris, HP-UX, Digital UNIX), as well as all Windows (3.1, NT, 95), Apple Power Mac and OS/2 systems.

Applications developed using Open Inventor from TGS automatically take advantage of the graphics acceleration provided by 3-D graphics boards.

IRIX version compatibility:

Widget 150

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

The Bluestone Public Domain Widget Collection is a compilation of over 150 distinct public domain widgets (It is perhaps the largest number of widgets ever to be assembled on one tape!).It can be used to learn about widget writing and to quickly sample a wide variety of widgets. They can also, of course, be used in your programs - some of these are actually commercial quality.Included in the tape are:• Source code for each widget

• Any documentation that was publicly available
• Any examples or demonstrations that were publicly available
• Compiled widgets for SPARC
• Source code from several books available on the network

IRIX version compatibility: Pre 5.x

WorkBench

Jim Frome
Marketing Manager
Information Advantage
7905 Golden Triangle Drive
Eden Prairie, MN 55344-
7227
USA
612-833-3700
612-833-3701 (fax)
jim.frome@infoadvan.com
http://www.infoadvan.com

WorkBench is a Microsoft Windows interface to Information Advantage's DecisionSuite Server. WorkBench targets DBA's and application administrators with resource and security management tools and provides the ability to customize and distribute desktop profile across the network. Workbench includes a developer API for development of more sophisticated intelligent agents, add-in functionality, integration with operational systems, or custom applications using popular Windows tools like Visual Basic, PowerBuilder, and Visual C++, or Web tools like HTML, Jave, and JavaScript.

IRIX version compatibility: 5.3

Software Development Tools

X-Designer™

Sales Department
Imperial Software
Technology Ltd.
120 Hawthorne Avenue
Suite 101
Palo Alto, CA 94301
USA
415-688-0200
415-688-1054 (fax)
http://www.ist.co.uk/xd/

X-Designer is a graphical user interface (GUI) builder for OSF/Motif™ and Windows. Users design and exercise a GUI interactively on the screen. X-Designer then generates the C++ re-usable class definitions or fully portable C. Interfaces can be built for Motif and Windows from one design by generating code for X/Motif and for the Microsoft Foundation Class (MFC) libraary. There is no run-time license and no proprietary libraries, just the native toolkits are required. X-Designer is easy to learn and quick to use - users can have their first GUI up and running in hours, not weeks.

IRIX version compatibility:

XNet License™

Marnye Keenan
Intelligent Software
Solutions
425 Black Ironwood Drive
DeLand, FL 32724
USA
904-738-6820
904-738-3827 (fax)

XNet License™ is a flexible license manager that allows developers to license their software in a number of different ways, including:

(a) Floating Licenses

(b) Nodelocked Licenses

(c) Timebombed Licenses

XNet License is supported on practically every UNIX platform, Windows NT and Vax VMS.

IRIX version compatibility:

XRT/3d™

For More Information
Call
KL Group, Inc.
260 King Street East
3rd Floor
Toronto, ON M5A 1K3
Canada
416-594-1026
416-594-1919 (fax)
info@klg.com
http://www.klg.com/

XRT/3d™ for Motif is a sophisticated three-dimentional surface, bar and contour graph widget for X application developers. With XRT/3d, developers can easily build 3-D displays and interactions into their Motif applications. XRT/3d provides over 140 resources that control how data will be displayed. It can automatically contour the zone data, and handle missing data values. XRT/3d can also produce 4-D graphs. End user can use the mouse to rotate, zoom and shift graphs interactively. XRT/3d can report the exact coordinates clicked on by the user, to allow selection of graph points.

IRIX version compatibility:

XRT/3d™ for Motif™

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

The XRT/3d™ for Motif™ graph widget enables Motif programmers to display 3D surface data. Applications can now visualize data easily relying on XRT/3d to automatically rotate, scale and apply perspective calculations. The widget is programmed through resources, with no additional "back-end" libraries needed.

IRIX version compatibility:

831

Software Development Tools

XRT/field

For More Information
Call
KL Group, Inc.
260 King Street East
3rd Floor
Toronto, ON M5A 1K3
Canada
416-594-1026
416-594-1919 (fax)
info@klg.com
http://www.klg.com/

XRT/field is the newest addition to the XRT family of Motif add-on components from KL Group. With XRT/field, Motif developers can now easily build data-entry forms with field-level validation many times faster than with the standard Motif widgets.

XRT/field can be used in existing Motif programs without changing any code because it is subclassed from the standard Motif Text widget. And, like the standard Motif Text widget, it is programmed using resources and the standard Motif and Xt routines.

XRT/field supports automatic validation (using masks, data types, ranges or pick lists), automatic conversion of entered values, separate edit and display formats, automatic scrollbars as well as many other features designed to make building data-entry forms easier. It can be used to create Combo-Boxes and Spin Boxes.

Like all XRT widgets, XRT/field is available on all leading UNIX/VMS architectures and can be integrated with all popular GUI-builder tools. There are no runtime or royalty fees for distributing applications built with XRT/field.

IRIX version compatibility:

XRT/graph™

For More Information
Call
KL Group, Inc.
260 King Street East
3rd Floor
Toronto, ON M5A 1K3
Canada
416-594-1026
416-594-1919 (fax)
info@klg.com
http://www.klg.com/

XRT/graph™ for Motif is the most complete and powererful two-dimentional graph widget avaliable for X application developers. XRT/graphs can display data in virtually any type of 2D chart or graph including X-Y plots, bar charts, area graphs, financial graphs and logarithmic scientific charts. XRT/graph has over 200 resources for controlling attributes, such as multiple Y-axis, time axis, combination graphs, axis controls and double buffering. XRT/graph also supports user feedback routines, which encales users to actually control their application by selecting and dragging graph elements with the mouse.

IRIX version compatibility:

XRT/graph™ for Motif™

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

XRT/graph™ is a dynamic real-time graph/chart widget integrated with Motif, OpenLook, or XView which extends your toolkit with special widgets and displays rapid changing data in: X-Y Plots, Logarithmic Graphs, Bar Charts (2D & 3D), Stacked Bar Charts (2D & 3D), Pie Charts (2D & 3D), and Combination Graphs. XRT/graph™ will help you build an application and graphical user interface that communicates more meaningful professional appearing applications quickly with no runtimes or royalties.

A prerequisite is Motif Version 1.1 or 1.2 and X11R4 or X11R5.

IRIX version compatibility:

Software Development Tools

XRT/table™

For More Information
Call
KL Group, Inc.
260 King Street East
3rd Floor
Toronto, ON M5A 1K3
Canada
416-594-1026
416-594-1919 (fax)
info@klg.com
http://www.klg.com/

XRT/table™ allows developers and end users to easily display and maniplate tabular data in OSF/Motif applications. XRT/table is ideal for applications that access tabular text information such as lists, information stored in databases and spreadsheet data. Over 120 resources allow fine control over table attributes, including fonts, colors, 3-D etching, lableing and sizing. By using these resources, the table's appearance and behavior can be easily prototyped and modeled without recompiling. Changing a few resources enables programmers and end users to create virtually and display.

IRIX version compatibility:

XVT Development Solution for C™ (DSC)

Casey Phillips
Marketing Administrator
XVT Software, Inc.
4900 Pearl East Circle
Suite 107
Boulder, CO 80301
USA
303-443-4223
303-443-0969 (fax)
casey@xvt.com
http://www.xvt.com/xvt

The XVT Development Solution for C™ (DSC) offers a general purpose GUI client creation solution for all popular windowing systems. DSC implements this portable solution using native GUI functionality on each platform. This approach ensures native look-and-feel, high-performance, low overhead, interoperability with other applications, and access to native toolkits when required.

Development Solution for C supports GUI features such as windows, menus, controls and dialog boxes, as well as platform-specific attributes and custom GUI objects. Printing, hypertext online help, portable fonts, and other application requirements are also supported.

IRIX version compatibility:

XVT Development Solution for C++™ (DSC++)

Casey Phillips
Marketing Administrator
XVT Software, Inc.
4900 Pearl East Circle
Suite 107
Boulder, CO 80301
USA
303-443-4223
303-443-0969 (fax)
casey@xvt.com
http://www.xvt.com/xvt

The XVT Development Solution for C++™ (DSC++) features an advanced object-oriented application framework-winner of the 1994 Jolt Porduction Excellence award from Software Development magazine.

DSC++ includes a sophisticated visual development tool that guides you interactively through the process of building your object-oriented application, including all the steps of laying out and writing your code. The visual development tool leverages the application framework to accelerate the production of code that's fast, maintainable, and reusable. What's more, the comprehensive DSC++ solution provides portability for your entire application, not just the GUI.

IRIX version compatibility:

XView Toolkit™

Sue Glassberg
Sales Director
UniPress Software, Ltd.
2025 Lincoln Highway
Edison, NJ 08817
USA
908-287-2100
908-287-4929 (fax)
sue@unipress.com
http://www.unipress.com/

With the XView Toolkit™ from UniPress, existing Sun XView applications will run on Silicon Graphics workstations - without recoding. You simply recompile the application source code and link with the XView Toolkit libraries. This is a tremendous improvement over rewriting the X interface of existing applications, and the XView Toolkit from Uni-Press even allows you to rapidly build new XView applications for SGI.

Developers with existing XView applications will find that UniPress' XView provides a quick, stable and low-effort migration path from XView to SGI, broadening the potential market for their applications.

IRIX version compatibility:

Software Development Tools

Xscent

Alex Crain
Marketing
ASH Engineering
5617 Govane Avenue
Baltimore, MD 21212
USA
410-323-3495
410-323-2668 (fax)

Xscent - an olfactory interface for X Window developers.

Xscent is a protocol analyzer for X11, allowing programmers to see exactly what is happening in the client-server communication stream. The tool fits between a client application and the servers, recording the activity on the stream and providing a windowed interface for examining the traffic.

The tool was built to help developers identify problems that are hidden by high level toolkits. Xscent identifies what is really happening at the lowest level, providing clues towards resolving erratic behavior in the application. The tool also monitors resource use, and can help identify bottlenecks when fine tuning an application.

IRIX version compatibility:

dCode®

Richard Hilmer
President
dCode Software Tools, Inc.
116 Glenoak Road
Wilmington, DE 19805
USA
302-995-2381
302-633-9330 (fax)
dcode@wittnet.com

A package of software development tools by which a programmer can generate programs using interactive graphics to build structured flowcharts, data-flow diagrams, and data dictionaries. Coder programs then produce compileable code in the C language with FORTRAN to be available shortly. Modules are currently under development to read old code and put them into the database where they can be maintained more conveniently.

IRIX version compatibility: 5.3, 6.1, 6.2, 6.x

db-UIM/X™

Bob Bickel
Director, Product Sales
Bluestone, Inc.
1000 Briggs Road
Mt. Laurel, NJ 08054
USA
609-727-4600
609-778-8125 (fax)
info@bluestone.com
http://www.bluestone.com/

db-UIM/X™ is an object oriented development tool for building Motif based client-server applications for accessing relational databases. The db-UIM/X front end is UIM/X, the market leading graphical User Interface Builder. db-UIM/X extends the features and functionality of UIM/X with a Network Object Toolkit. the Tooliket adds the ability to browse databases and then graphically "bind" network database objects (tables, columns, stored procedures, etc.) to user interface objects (text fields, scrolled lists, etc.). An Object Request Broker ensures transparent network access. db-UIM/X allows developers to take advantage of the client-server architecture and process valuable database information in a customized and time efective manner.

IRIX version compatibility:

eXceed 4-MDK for Windows

Cathy Lefebvre
Marketing Coordinator
Hummingbird
Communications Ltd.
1 Sparks Avenue
North York, ON M2H 2W1
Canada
416-496-2200
416-496-2207 (fax)
sales@hummingbird.com
**http://www.hummingbird.
com**

eXceed 4-MDK for Windows - to complement the X Development Kit included with eXceed 4 for Windows and eXceed/Xpress, this OSF/Motif Toolkit allows developers to create and run Motif X Window clients on a PC rather than a remote host, and to display them on the local PC or a remote X server. To assist the developer, sample applications and sample source are included. eXceed 4-MDK for Windows supports Microsoft C compiler (Vers.6.0AX, and Vers.7.0) and includes the Motif User Interface Language (UIL) compiler. To utilize this product, you must have installed Hummingbird's X Development Kit included with eXceed 4 for Windows or eXceed/Xpress for Windows. Other requirements: Microsoft Windows Software Development Kit, Microsoft C compiler, and 8MB memory on the PC.

IRIX version compatibility:

Software Development Tools

eXceed 4-XDK for Windows NT

Sales Department
Hummingbird
Communications Ltd.
1 Sparks Avenue
North York, ON M2H 2W1
Canada
416-496-2200
416-496-2207 (fax)
sales@hummingbird.com
http://www.hummingbird.com

eXceed 4-XDK for Windows NT - this X Development Kit (XDK) permits users to develop X clients on a PC rather than a remote host, fully exploiting the 32-bit multitasking environment of Windows NT. Programmers can develop or port their X Window applications from UNIX or VMS to the Windows NT Intel, MIPS, or Alpha platforms. Local X support permits X clients to be started and displayed locally, or remotely on another X server in the network. eXceed 4-XDK for Windows NT includes the OSF/Motif Toolkit, a library of development tools, including Xlib, Xt intrinsics, Xaw, and Xmu, and provides users with sample applications and sample source. This X Development Toolkit includes Hummingbird's eXceed 4 for Windows NT PC X server, for full access to X Windows applications across the network.

IRIX version compatibility:

iSight++™

Jeff Jenks
Dir., Sales & Marketing
IntegriSoft, Inc.
44 Airport Parkway
San Jose, CA 95110
USA
408-441-0200
408-441-8751 (fax)
jjenks@integrisoft.com

iSight++™ is a integrated suite of software development, test and QA tools specifically targeted for object-oriented C++. The suite includes a Browser that navigates the many relationships between code elements in OO/C++. Multiple graphical displays show class, function, and file views that aid in software comprehension.

An integrated test capability provides feedback to the user on code coverage including multiple measurements to support the most rigorous requirements. From the results of static analysis, iSight++ provides object-oriented metrics for correlation with project statistics.

IRIX version compatibility: 5.1, 5.2, 5.3, 5.x, 6.0, 6.1, 6.2, 6.x

ie™ - Iris X Window System Editor

Jerry Smith
President
Iris Computing Laboratories
3916 Juan Tabo Boulevard, N.E.
Suite 35
Albuquerque, NM 87111
USA
505-298-2700
505-298-1281 (fax)
jsmith@spectro.com
http://www.nmia.com/spectro

ie™ is a mature X text editor. It operates efficiently even on minimally-configured workstations and X terminals. Typical users include programmers, scientists, and system administrators.

Users can navigate up to ten distinct file lists concurrently via the keyboard and/or an inverted file selection box. Other features include: column-oriented copy, cut, and paste; extensive, including column-orientated, search and replace; dynamic secondary edit windows; full compiler support; extensive UNIX filter operations; easy to use external macro language plus viewable, editable, playback macro facility; highly configurable via 140+ X resources; full user- and system-level keyboard and macro configuration.

IRIX version compatibility:

net.Form

Rajat Rhargaua
President & CEO
net.Genesis Corporation
56 Rogers Street
Cambridge, MA 02142
USA
617-577-9800
617-577-9850 (fax)
netgen@netgen.com
http://www.netgen.com

By acting as universal forms processing engine, net.Form allows non-technical personnel to quickly create advanced Web forms. This allows network administrators to design forms and encode instructions as to how each form's contents should be processed without knowing how to write CGI scripts. All information concerning how a form should be treated is encoded in the form itself, making maintenance easier. Additionally, rather than generating intricate custom CGI scripts for each form, Webmasters can use net.Form to flexibly handle a wide variety of forms with a number of advanced features, including complex field checking and database integration. More information on net.Form can be found at <http://www.netgen.com/products/net.Form/>.

IRIX version compatibility:

Software Development Tools

nu/TPU™

Debbie Cote
Marketing
a/Soft Development, Inc.
24 Eastman Avenue
Bedford, NH 03110-6703
USA
603-666-6699
603-666-6460 (fax)

nu/TPU™ v4.1 is a fully programmable text editor for Silicon Graphics and other UNIX platforms, integrated with Motif™ and MS-Windows™.

Developers are able to edit code effortlessly, while having an enormous amount of editing features available, such as unlimited files and buffers, rectangular box editing, unlimited undo, user-definable backup, color, wildcard and case-sensitive searches, 80 & 132 column mode, word wrap, prebuilt interfaces, and much more.

nu/TPU is currently used by programmers of all expertise levels in innumerable industries for companies of all sizes. nu/TPU is an easy to use yet powerful application development tool that is essential in increasing productivity.

IRIX version compatibility:

uni-REXX™

Marlena Elias
Intergalactic Sales Manag
The Workstation Group,
Ltd.
6300 N. River Road
Rosemont, IL 60018
USA
800-228-0255
708-696-2277 (fax)
sales@wrkgrp.com

uni-REXX is a UNIX implementation of IBM's REstructured eXtended eXecutor language, REXX. This system control language is suitable for a variety of application development and system control tasks. Commands can be submitted for execution by other software components such as the UNIX Shell, the uni-XEDIT editor, and other user applications, and can retrieve and process the resulting output from such commands. Because of these features, uni-REXX can replace the UNIX Shell Programming Language in the automation of basic UNIX functions. Other features include structured program control facilities, extensive tracing and debugging facilities, absence of variable typing, text parsing and string manipulation facilities, and interpreting flexible program parameter information.

IRIX version compatibility:

uni-SPF™

Marlena Elias
Intergalactic Sales Manag
The Workstation Group,
Ltd.
6300 N. River Road
Rosemont, IL 60018
USA
800-228-0255
708-696-2277 (fax)
sales@wrkgrp.com

uni-SPF is a UNIX implementation of ISPF, IBM's popular user interface for the MVS/TSO and VM/CMS mainframe environments. uni-SPF provides a complete operating environment for the end user. It does not require detailed knowledge of the underlying UNIX operating system. Tools and services provided include panel driven user interface based on the SAA standard Dialog Management Services, hierarchical structure that groups similar tools and services for easy access, and session customization for each user. uni-SPF is a full function editor that is easily extensible with uni-REXX macros.

IRIX version compatibility:

Software Development Tools

uni-XEDIT™

Marlena Elias
Intergalactic Sales Manag
The Workstation Group,
Ltd.
6300 N. River Road
Rosemont, IL 60018
USA
800-228-0255
708-696-2277 (fax)
sales@wrkgrp.com

uni-XEDIT is a UNIX implementation of IBM's VM/CMS system editor, XEDIT. uni-XEDIT will provide an immediately productive editing environment for IS professionals with an IBM mainframe background. It is a full screen, full feature text editor that can also be expanded by writing macro commands and macro prefix commands through the uni-REXX system control language. uni-XEDIT includes a complete on-line help system, a full set of over 70 editor commands including those for file processing, positioning and data modification. "Target" flexibility allows for selection of specific sets of lines to perform selective global operations. Multiple windows allow several files or different portions of the same file to be edited simultaneously. When used in an X-Windows, environment, uni-XEDIT provides 4 Motif-Compliant Human Interface, including mouse data selection, scroll ropes, pull-down menus, and dynamic resizing.

IRIX version compatibility:

Software Development Tools