

**Applications**

**Development Tools**

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## TeleUSE™ 3.0.2

Chris Toy  
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Coordinator  
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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: 5.3

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## TeleUSE/DB™

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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: 5.3

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## TeleUSE/Win

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Suite 300  
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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: 5.3

# Development Tools

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## ACIS®

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® is object oriented, boundary representation geometric modeling toolkit, written in C++, designed to be used as the “geometry engine” for next generation applications. ACIS provides an open architecture framework for wireframe, surface, and solid modeling. Linear and quadric geometry is represented analytically, free-form geometry is represented NURBS. ACIS supports manifold and non-manifold topology as well as bounded, semi-bounded, and unbounded geometry. ACIS capabilities can be accessed through its Applications Procedural Interface, or developers writing in C++ can add, derive, or extend classes. ACIS can be licensed as object code and full source code.

IRIX version compatibility: 5.3, 6.2

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## ACUCOBOL®-85

Jeffery Freedman  
Dir., Business Development  
Acucobol, Inc.  
7950 Silverton Avenue  
Suite 201  
San Diego, CA 92126  
USA  
**619-689-7220**  
**691-689-7251 (fax)**  
**jeff@acucobol.com**

ACUCOBOL®-85 is an ANSI standard COBOL compiler that produces compact, highly optimized machine-independent object code. With ACUCOBOL-85, users can develop COBOL applications and execute them without recompiling on over 600 different platforms including MS-DOS, NETBIOS, OS/2, UNIX, Windows, WindowsNT, and Open VMS operating systems. ACUCOBOL-85’s interchangeable file system, Vision, provides sophisticated file and record compression control and can run with, or be replaced by, industry standard file systems such as C-ISAM, Btrieve, and MINISAM, and relational database systems.

ACUCOBOL-85 enables easy updates of COBOL applications with modern features such as help screens, pop-up/pull-down menus, and mouse support.

IRIX version compatibility: 5.2

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## ACUCOBOL®-GT

Jeffery Freedman  
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Suite 201  
San Diego, CA 92126  
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**619-689-7220**  
**691-689-7251 (fax)**  
**jeff@acucobol.com**

ACUCOBOL-GT enables developers to implement and deliver GUI-enhanced COBOL applications for Microsoft® Windows™ 3.1, Windows™ 95, Windows NT™ and UNIX using COBOL extensions that are consistent with traditional COBOL syntax and methodologies.

ACUCOBOL-GT supports movable floating Windows, and GUI controls, such as entry fields, list boxes, combo boxes, push buttons, radio buttons, check boxes labels, toolbars, and frames. GUI screens, including native, pop-up windows and graphical controls, are built and processed with simple extensions to the DISPLAY and ACCEPT verbs. Each program can contain a mix of graphical and character-based interfaces. Graphical features can be added to an existing application without a rework of the entire user interface.

IRIX version compatibility: 5.2

# Development Tools

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## Accurate Automation Neural Network Tools (NNT™)

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

The AAC Neural Network Tools (NNT™) contains 12 neural network paradigms with 4 learning modules. NNT is designed to assist users in integrating neural networks into their application programs. NNT includes: ADALINE/MADALINE, Adaptive Critic, BAM, Boltzman and Cauchy Machines, Cooperative-Competitive, Counterpropogation, Functional-Link, Hopfield, LVQ, Perception, and Self-Organizing Topology Map. Learning methods are Backpropogation Hebbian Learning, Drive Reinforced Learning and Optimal Estimation. NNT can be run in an accelerated mode with the aid of a unique AAC developed MIMD parallel processor system which has been optimized for implementing neural networks.

IRIX version compatibility:

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## Acu4GL™

Jeffery Freedman  
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**619-689-7220**  
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Acu4GL™ provides seamless access to RDBMSs from new or existing applications written in , ACUCOBOL®-GT or ACUCOBOL®-85 by dynamically generating SQL queries. With Acu4GL, users can benefit from RDBMS technology without learning SQL, rewriting applications, or retraining. Applications need to be compiled only once.

Acu4GL eliminates the need to add embedded SQL to existing COBOL programs. Instead, industry-standard COBOL I/O verbs generate SQL (behind the scenes) to access the database. This bi-directional information exchange allows end-users to utilize fourth-generation report writers and query tools while retaining the use of their COBOL application. Acu4GL supports Oracle, Informix, Sybase, MS-SQL server and a number of ODBC compliant databases suchas MS-Acess and Excel Spreadsheets.

IRIX version compatibility: 5.2

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## AcuServer™

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Suite 201  
San Diego, CA 92126  
USA  
**619-689-7220**  
**691-689-7251 (fax)**  
**jeff@acucobol.com**

AcuServer is a simple and economic way to give COBOL applications remote file access support in Client/Server environments.

AcuServer gives your application the ability to create and store data files on any network system equipped with AcuServer. Applications get full function remote access to indexed, relative, and sequential files, and transparent access to remote and local files.

AcuServer does not require recompilation or changes to the existing application code. AcuServer provides network file system support for ACUCOBOL-95 or ACUCOBOL-GT applications running on UNIX and DOS TCP/IP networks.

IRIX version compatibility: 5.2

# Development Tools

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## AdaCAST™

William McCaffrey  
Director of Marketing  
Vector Engineering  
1130 Ten Rod Road  
E-307  
North Kingstown, RI 02852  
USA  
**401-295-5855**  
**401-295-5856 (fax)**  
**wkm@vectors.com**

The primary product of Vector Software is the CAST family of software tools. CAST is an acronym for Computer Aided Software Test.

The technology of the CAST family of products was first released in 1994 for the Ada language and is marketed and licensed under the name AdaCAST.

AdaCAST is a Computer Aided Software Test (CAST) tool that allows you to test Ada language components without writing test code. This compiler and platform specific productivity tool automates the current manual process of unit or structural level testing. Besides providing test process definition, the benefits recognized with its use are reduced cost due to productivity and a reduction in the burden placed on individual developers to build test codes before actual testing can begin.

IRIX version compatibility: 5.x

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## Altia Design®

Michael Juran  
President  
Altia, Inc.  
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Suite 200  
Colorado Springs, CO  
80919  
USA  
**719-598-4299**  
**719-598-4392 (fax)**  
**mtj@altia.com**  
**<http://www.altia.com/>**

Altia Design® is a software package for developing the appearance and behavior of dynamic human interfaces for engineering/medical/aerospace instrumentation and process control systems. The Altia Design toolset offers designers a quick and simple way of creating custom, dynamic graphics for their product or prototype--without writing graphics code. With full-featured Graphics, Animation, and Stimulus Editors, Altia Design provides the power and flexibility needed to develop any application's unique interface. Altia Design also includes component libraries containing pre-build displays, multi-view capabilities and playback capabilities to allow for customer interaction.

IRIX version compatibility: 5.x

# Development Tools

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## C, C++ and FORTRAN Native and Cross Platform High Performance Compilers

Phil Lumish  
Lexa Software Corporation  
4701 Patrick Henry Drive  
Suite 1601  
Santa Clara, CA 95054  
USA  
**408-654-6000**  
**408-654-6020 (fax)**  
**phil@lexa.com**

Lexa Software tools were built to provide development solutions for customers who have distributed heterogeneous client-server and mainframe environments predominantly found in Fortune 500 companies' development organizations. Our tools are based on high performance C, C++ and FORTRAN compilers specifically designed for these environments. These tools are compatible and identical running natively or across the different UNIX operating systems and platforms listed below, making Lexa Software the sole provider of these solutions on these platforms. They were built with mainframe strength and reliability and include highly accurate, high performance mathematical libraries. They are all ANSI, XPG4, SPARC SCD 2, and MIPS ABI compliant. With our tools, industry standard extensions are identical from the mainframe to the desktop. Hundreds of developers in over 50 Fortune 500 companies are utilizing these tools for cross-platform development, development workload distribution and for downsizing or rightsizing their development environments. Increases in programmer productivity have been attributed to Lexa's development tools based on the following:

- \* Elimination of programmers' learning curve for new or different development systems by providing identical development tools on UNIX workstations, servers and mainframes.
- \* An increase in the volume of CPU cycles for development or testing due to the ease of distributing development workloads across all available resources.
- \* Access to a UNIX deployment system is only needed for final testing, maximizing its availability.

New and existing applications can be moved vertically to different size machines within a given platform family, or moved horizontally across different platforms without expensive re-engineering.

IRIX version compatibility: 5.x, 6.x

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## C/S ELEMENTS™

Maureen Oliver  
Corporate Sales  
Neuron Data, Inc.  
1310 Villa Street  
Mountain View, CA 94041  
USA  
**800-876-4900**  
**415-943-2756 (fax)**  
**maureen.**  
**oliver@neurondata.com**  
**<http://www.neurondata.com/>**

C/S ELEMENTS™ is an object-oriented, cross-platform development tool composed of GUI and extensible script language facilities. It also provides transparent access to any flat-file or relational database, enabling developers to mix and match data from Oracle, Sybase, Informix and ODBC-compliant databases. CS Elements allows building enterprise-wide client/server applications portable to over 35 platforms.

Current release: 1.5

IRIX version compatibility:

# Development Tools

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## CGM Viewer

Dan V. Smith  
Marketing Manager  
Larson Plotting Solutions  
11111 Wilcrest Green Drive  
Houston, TX 77042  
USA  
**713-977-4177**  
**713-977-4176 (fax)**  
**sales@cgmlarson.com**  
**http://www.cgmlarson.com**

WYSIWYG -- CGM Viewer with scrool and zoom features. Ideal for CAD/CAM, GIS and Geoscience application sites.

IRIX version compatibility: 5.36.2

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## ChartObject™

David Millar  
VP, Sales & Marketing  
Interactive Network  
Technologies, Inc.  
2901 Wilcrest  
Suite 300  
Houston, TX 77042-6011  
USA  
**713-975-7434**  
**713-975-1120 (fax)**  
**info@int.com**  
**http://www.int.com**

ChartObject™ is a comprehensive 2D and 3D graphing widget that enables developers to build highly interactive data displays within their X/Motif applications. ChartObject offers XY plots, area graphs, bar charts, pie charts, high-low plots, 2D cell arrays, scatter plots, surfaces, 3D contour plots and bar charts with real-time rotation and perspective views and more. Data views can be dynamically linked, and all aspects of the chart appearance can be controlled through built-in resources and functions. Drag-and-drop visualization of tables and lists of data is provided through integration with EditTable™. Free 30-day evaluation copies are available via our website linked below.

IRIX version compatibility: 5.x, 6.x

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## ClearCase

Elizabeth Darragh  
Alliances Program Manager  
Pure Atria  
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USA  
**617-676-2400**  
**617-676-2550 (fax)**  
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**info@pureatria.com**  
**http://www.pureatria.com**

ClearCase is the premier software configuration management (SCM) product for software teams with UNIX and Windows NT development environments. ClearCase provides comprehensive configuration management, including version control, workspace management, build management, and process control - without forcing you to change your existing environment, your tools, or the way you work.

ClearCase features both text-based and graphical interfaces. ClearCase particularly suits the needs of growing software teams working versions of software for multiple platforms across client/server networks. ClearCase addresses software development challenges such as developing and maintaining multiple products concurrently, guaranteeing the accuracy of releases, rebuilding and patching previously shipped products, producing special releases, and creating an effective development process.

ClearCase tracks changes to every file and directory, and supports parallel development. ClearCase provides reliable version-control of every type of object that evolves in the software development environment, including source code, binaries, executables, documentation, test suites, and libraries.

IRIX version compatibility:

# Development Tools

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## Communications<ToolKit>

Stacey Carroll  
Products Division  
ObjectSpace, Inc.  
14881 Quorum Drive  
Suite 400  
Dallas, TX 75240  
USA  
**214-934-2496**  
**214-663-9100 (fax)**  
**info@objectspace.com**  
**http://www.objectspace.com**

The cross-platform distributed solution. Communications<ToolKit> is a complete set of cross-platform classes for building distributed network applications. This product provides a nonintrusive mechanism for object persistence and transportation over communication mechanisms. It also contains portable interfaces for TCP and UDP sockets, pipes, files, and directories.

All class libraries in the ObjectSpace C++ Component Series comes complete with:

- \* Full source code
- \* Extensive online or printed user guides and class reference manuals
- \* Hundreds of examples
- \* Non runtime royalties

Call today for an updated platform support directory.

IRIX version compatibility: 5.3

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## Continuus/CM

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/CM manages the software development and maintenance process with the most flexible, full-featured Software Configuration Management (SCM) system available. The Continuus/CM design architecture reflects the philosophy that process control and automation are the foundation for software quality. It provides true object-oriented facilities for management of: all project components; versions and configurations; releases and variants; component life cycles; and system builds. Standard process life cycle models, provided for immediate utilization, are completely customizable to meet customer-specified requirements. Continuus/CM integrates with home-grown, commercial tools and environments; a sample of existing integrations include HP's SoftBench, CenterLine's CodeCenter and ObjectCenter, Frame Technology's FrameMaker, and IDE's Software through Pictures.

IRIX version compatibility: 5.x

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## ControlShell

Carla Hannum  
Corp. Comm. Manager  
Real-Time Innovations, Inc.  
155A Moffett Park Drive  
Suite 111  
Sunnyvale, CA 94089  
USA  
**408-720-8312**  
**408-734-5009 (fax)**  
**info@rti.com**  
**http://www.rti.com**

ControlShell is a revolutionary software composition environment for developing complex real-time applications, the result of years of joint research between Real-Time Innovations and Stanford University.

ControlShell users build applications from small code objects, or components. These components let developers share and reuse code on a scale never before possible. As a true programming system, novice programmers can easily build structured, quality code. Talented programmers can easily extend the framework and build large, complex systems.

ControlShell targets the complex electro-mechanical systems market. It graphically automates both sophisticated feedback-loop control and event-driven reactive logical programming.

IRIX version compatibility: 5.x



# Development Tools

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## Custom Development Services

Doug Engfer  
President  
The Winward Group  
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Suite 100  
Los Gatos, CA 95030-3317  
USA  
**408-395-9442**  
**408-395-9642 (fax)**  
**doug@wwg.com**

The Windward Group provides software design, development, documentation, and quality services to technology-based companies worldwide. We work closely with you to gauge and meet your needs-our job is to solve problems, not create them.

Windward's engineering group provides expert application and kernel-level development. Our documentation group develops user and technical guides and online help, designs product packaging and manages production. Our quality group designs test strategies and develops automated tests.

Windward's success is built on long-term client relationships with such companies as Novell, Apple, FedEx. Call us to explore how Windward can help your company prosper.

IRIX version compatibility: pre-5.x, 5.x, 6.x

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## DBTools.h++™

Billie Chapman  
Executive Assistant  
Rogue Wave Software, Inc.  
850 SW 35th Avenue  
Corvallis, OR 97333  
USA  
**541-754-3010**  
**541-754-3185 (fax)**

DBTools.h++ delivers portable, object-oriented access to the leading RDBMSs, including Sybase, Oracle, Informix, Ingres, and ODBC. With DBTools.h++, you'll develop shorter, cleaner applications that are portable across operating systems and databases.

Windows 3.1, Windows NT, UNIX

IRIX version compatibility:

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## EDEN

Phil Lumish  
Lexa Software Corporation  
4701 Patrick Henry Drive  
Suite 1601  
Santa Clara, CA 95054  
USA  
**408-654-6000**  
**408-654-6020 (fax)**  
**phil@lexa.com**

EDEN is a development environment for distributed, heterogeneous client/server and mainframe users. With EDEN the developer can centralize development and testing on one platform and export the binaries of the applications to multiple target platforms.

IRIX version compatibility: 5.x, 6.x

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## EditTable™

David Millar  
VP, Sales & Marketing  
Interactive Network  
Technologies, Inc.  
2901 Wilcrest  
Suite 300  
Houston, TX 77042-6011  
USA  
**713-975-7434**  
**713-975-1120 (fax)**  
**info@int.com**  
**http://www.int.com**

EditTable™ is a versatile table display and editing widget, enabling spreadsheet facilities to be included within X/Motif applications. Numeric and text data stored in tables, lists or databases may be displayed and manipulated in a wide variety of ways using EditTable, with over 100 resources for controlling every aspect of table appearance and behavior. Even image data can be displayed within table cells, and other widgets embedded within table cells.

Data visualization is available through drag-and-drop integration with ChartObject™. EditTable is integrated with all leading GUI builders. Free 30-day evaluation copies are available via our website link below.

IRIX version compatibility: 5.x, 6.x

# Development Tools

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## Elan License Manager™

Wendy Constantine  
Marketing Comm Mgr  
Elan Computer Group, Inc.  
888 Villa Street  
Suite 300  
Mt. View, CA 94041  
USA  
**415-964-2200**  
**415-964-8588 (fax)**  
**wendy@elan.com**  
**http://www.elan.com**

Elan License Manager™ is an all-software cross platform license management tool. By integrating a software license management system into applications a software developer can protect the software from unauthorized use and access. The Elan License Manager is a software toolkit that allows software developers to control access to your applications in a single user system or a network environment. The toolkit is available for over 38 versions of UNIX, as well as DEC VMS, Microsoft Windows-NT, Windows 95 and Windows 3.1.

IRIX version compatibility: 5.2, 5.3, 5.x, 6.0, 6.1, 6.2 Certified, 6.3, 6.x

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## Elements Environment™

Maureen Oliver  
Corporate Sales  
Neuron Data, Inc.  
1310 Villa Street  
Mountain View, CA 94041  
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**800-876-4900**  
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**oliver@neurondata.com**  
**http://www.neurondata.com/**

Neuron Data's Elements Environment™ is a high-end application development environment for building adaptable, distributed, business-critical applications. The object-oriented, component-based architecture consists of portable software modules called "Elements": Open Interface Element™, Data Access Element™, Intelligent Rules Element™, Interoperable Objects Element™, Distributed Messaging Element™ and Web Element™. The Elements can be used individually to meet specific development needs or combined to create an integrated development environment. The architecture's open application programming interface (API) supports the integration of diverse tools and development methodologies, and ensures that both the development environment and the application remain adaptable and extensible.

IRIX version compatibility: 6.2, uses N32 ABI

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## Engineering Design Services

Rich Lyman  
Software Engineer  
Gordian  
20361 Irvine Avenue  
Santa Ana Heights, CA  
92707  
USA  
**714-850-0205**  
**714-850-0533 (fax)**  
**rich@gordian.com**  
**http://www.gordian.com**

Gordian is an engineering design company. We design complete products including hardware, software, documentation and packaging.

IRIX version compatibility: pre-5.x, 5.x, 6.x

# Development Tools

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## FLEXIm™ (FLEXible License Manager)

Liz Naughton  
Mktg Communications Mgr  
GLOBEtrotter Software  
300 Orchard City Drive  
Suite 131  
Campbell, CA 95008  
USA  
**408-370-2800**  
**408-370-2884 (fax)**  
**[liz@globes.com](mailto:liz@globes.com)**  
**<http://www.globetrotter.com>**

FLEXIm™ is the de facto standard license manager used by hundreds of leading software vendors in thousands of products. Customers maximize their use of licenses when software vendors embed FLEXIm in their products, while vendors more effectively price and license their software. FLEXIm supports network-wide, heterogeneous software licensing policies and multi-tier software distribution. Its support for a wide array of licensing policies includes: user, concurrent, host, metered, consumptive and demo. In addition, products with FLEXIm allow the customer's system administrators to set policies to further control their use of licenses.

IRIX version compatibility: 5.1, 5.2, 5.3, 5.x, 6.0, 6.1, 6.2, 6.3, 6.x, Pre 5.x

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## FLEXmeter

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**<http://www.globetrotter.com>**

FLEXmeter works with the FLEXIm license manager for the secure consumptive licensing of software or data based upon actual use. FLEXmeter gives software vendors and users new ways to license software. FLEXmeter works as a software meter, allowing distributors and large customers to securely license software based on actual usage, dispense data or securely delegate the generation of license keys.

IRIX version compatibility:

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## FLEXwrap

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Campbell, CA 95008  
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**408-370-2800**  
**408-370-2884 (fax)**  
**[liz@globes.com](mailto:liz@globes.com)**  
**<http://www.globetrotter.com>**

FLEXwrap allows network and system administrators to place software without embedded license management under the control of the FLEXible license manager-FLEXIm. This utilizes the same robust technology that made FLEXIm the de facto standard license manager used by hundreds of leading software vendors in thousands of products. Maximize the use of software licenses in products that don't have license management, while adhering to licensing terms.

IRIX version compatibility:

# Development Tools

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## **FORTRAN-lint®**

Monty Swaiss  
Software Support Manager  
IPT Corporation  
1076 East Meadow Circle  
Palo Alto, CA 94303  
USA  
**415-494-7500**  
**415-494-2758 (fax)**  
<http://www.iptweb.com/>

FORTRAN-lint® is a stand alone tool designed to analyze and document FORTRAN source programs at all stages of development. FORTRAN-lint is more comprehensive than the standard compiler. It analyzes source files both individually and as a group, and therefore can identify problems that are completely beyond the scope of the compiler, including those annoying common block problems.

IRIX version compatibility: 5.2, 5.3, 6.2

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## **Foundations<ToolKit>**

Stacey Carroll  
Products Division  
ObjectSpace, Inc.  
14881 Quorum Drive  
Suite 400  
Dallas, TX 75240  
USA  
**214-934-2496**  
**214-663-9100 (fax)**  
[info@objectspace.com](mailto:info@objectspace.com)  
<http://www.objectspace.com>

Foundations<ToolKit>--The cross-platform multithreading solution. Foundations<ToolKit> is a set of cross-platform foundation libraries. It includes thread and thread synchronization classes that allow you to create threads and coordinate their activities. Foundations<ToolKit> also contains a set of powerful add-on facilities, such as portable regular expressions and 64-bit time and date with international time zone support.

All class libraries in the ObjectSpace C++ Component Series comes complete with:

- \* Full source code
- \* Extensive online or printed user guides and class reference manuals
- \* Hundreds of examples
- \* Non runtime royalties

Call today for an updated platform support directory.

IRIX version compatibility: 5.3

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## **GBB™: Generic Blackboard Builder**

Dan Corkill  
President  
Blackboard Technology  
Group, Inc.  
401 Main Street  
Amherst, MA 01002  
USA  
**413-256-8990, 8**  
**419-256-3179 (fax)**  
[info@bbtech.com](mailto:info@bbtech.com)  
<http://www.bbtech.com>

GBB™, Generic Blackboard Builder, is a software-development environment based on the blackboard problem-solving approach, which offers a powerful means of flexibly combining individually developed software systems and modules into a single integrated application. In a GBB application, the individual software systems and modules interact in much the same way as human experts do when they use a “brainstorming” style of interaction. GBB features an object-oriented blackboard database with highly efficient object-retrieval facilities, an open and extensible environment in which knowledge sources can be written in any programming language, intelligent control and integration facilities, and a machine-independent graphics toolkit.

IRIX version compatibility: 5.x, 6.x

# Development Tools

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## GINA-Generator of Intelligent Agents

Wayne Zachary  
President  
CHI Systems, Inc.  
716 N. Bethlehem Pike  
Suite 300  
Lower Gwynedd, PA 19002  
USA  
**215-542-1400**  
**215-542-1412 (fax)**  
**wayne\_zachary@chiinc.com**  
**http://www.chiinc.com**

Intelligent agents are autonomous software components which are able to identify problems, solve them, and implement their solutions. These agents are able to execute, even relocate themselves, independently, and manipulate other software systems and tools as needed to solve the problems. However, each agent application has to be hand-coded--a time-consuming and expensive process. Now, CHI Systems has put idea into practice by building GINA, a tool that enables agents to be developed and maintained quickly and easily. GINA was created around a simple but powerful idea--building agents by mimicking the way humans think and solve problems.

IRIX version compatibility: 5.3, 6.2

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## Geoscience Widget Library

David Millar  
VP, Sales & Marketing  
Interactive Network  
Technologies, Inc.  
2901 Wilcrest  
Suite 300  
Houston, TX 77042-6011  
USA  
**713-975-7434**  
**713-975-1120 (fax)**  
**info@int.com**  
**http://www.int.com**

The INT Geoscience Widget Library provides developers of geoscience applications with a suite of specialized widgets for displaying and manipulating geoscience data, including:

- Seismic/SEGY: for display of seismic data
- Picking Library: for interpreting and picking events on seismic data
- WellLog: for display and edit of well log data
- Contour: for contouring and gridding data
- PlotXY: for comprehensive 2D data plots
- ObjectEditor: for overlaying graphics on any of the above

IRIX version compatibility: 5.x, 6.x

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## Graphic InterFace Custom Software

Dale Hughes  
Owner  
Graphic InterFace  
9050 166th Street, South  
Cologne, MN 55322-9315  
USA  
**612-466-2251**  
**612-466-4717 (fax)**  
**dale@creatureworks.com**

Graphic InterFace specializes in developing custom software tools on SGI's for media production and interfacing with related hardware.

IRIX version compatibility: 5.x

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## Hardware and Software Development Services

Peter Middleton  
Managing Director  
Signal Computing Ltd.  
20 Nugent Road  
Surrey Research Park  
Guildford, Su GU2 5AF  
UK  
**011-44-1-483-57**  
**011-44-1-483-56 (fax)**  
**pm@signal.co.uk**

Signal Computing specializes in hardware development, software development and system integration for technical and information system applications. The company has gained a reputation for the provision of high-quality services, including accreditation to ISO 9001.

With more than 50 highly qualified and experienced software and hardware engineers, Signal Computing has the ability to deal with all aspects of a customer's requirement, from feasibility study through to system maintenance following installation and acceptance.

IRIX version compatibility: 5.x, 6.x

# Development Tools

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## Harlequin LispWorks™

Clive Harris  
Product Marketing Manager  
Harlequin Limited  
2nd Floor Queens Court  
Wimslow Road  
Alderley Edge, Cheshire,  
WE SK9 7QD  
UK  
**01625-588-005**  
**01625-588-049 (fax)**  
**cliveh@harlequin.co.uk**  
**http://www.harlequin.co.uk**

Harlequin LispWorks™ is built around Harlequin's implementation of common lisp as defined by 'common lisp the language, 2nd edition' (steele) and includes both an interpreter and powerful optimizing compiler for common lisp. Lispworks is the leading and most extensive lisp development environment available today and includes the following features:

- \* Incremental compilation and dynamic loading
- \* Lightweight processes
- \* Build systems management
- \* Source code location and cross referencing
- \* Debugger stepper and tracer
- \* Execution time profiler
- \* Runtime expression evaluator (listener)
- \* Extensible emacs-like editor
- \* Object inspector
- \* File system, compilation error, class and function browsers
- \* A graphing view that visualizes the network of relationships between code and data within the application.

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

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## HyperHelp™

Leslie Evans  
Marketing Communications  
Bristol Technology, Inc.  
241 Ethan Allen Highway  
Ridgefield, CT 06877  
USA  
**203-438-6969**  
**203-438-5013 (fax)**  
**Leslie@bristol.com**  
**http://www.bristol.com/**

Bristol Technology's HyperHelp™ is the UNIX and OpenVMS equivalent of the industry-standard Microsoft Windows WinHelp. Use HyperHelp to add hypertext help to your UNIX or OpenVMS applications, and to provide your customers with user-friendly, context-sensitive online help. By using the same Rich Text Format (RTF) files, help project (HPJ) files and bitmap files as WinHelp, it allows for single source help files and a consistent cross-platform look-and-feel. You can use your favorite authoring tool to create online documentation with hyperlinks, pop-up definitions, graphics, indexed full-text searching, powerful macros, and a wealth of other features. Hyperhelp also supports MIF, HTML, SGML, and ASCII, text editors as authoring file formats for online help.

IRIX version compatibility: 5.3, 6.x

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## INTERSOLVE PVCS Configuration Builder

Sandra Weber  
Marketing Writer  
Synergex  
2330 Gold meadow Way  
Gold River, CA 95670  
USA  
**916-635-7300**  
**916-635-6549 (fax)**  
**info@synergex.com**  
**http://www.synergex.com**

INTERSOLVE PVCS Configuration Builder is an automatic system builder with build-script compilation capabilities that supports stand-alone distributed and team development in heterogeneous environments. It automates the operation of any tool or utility, recording software system reliability, completely, and accurately at any time.

IRIX version compatibility: 5.1

# Development Tools

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## INTERSOLVE PVCS Version Manager

Sandra Weber  
Marketing Writer  
Synergex  
2330 Gold meadow Way  
Gold River, CA 95670  
USA  
**916-635-7300**  
**916-635-6549 (fax)**  
**info@synergex.com**  
**http://www.synergex.com**

INTERSOLVE PVCS Version Manager allows developers to manage software development by controlling and tracking access and revisions to source code. It automates and simplifies access to development objects including source code, ASCII files, graphics, documentation, and binary data files, allowing developers to share archive information and manage projects, even in cross-platform development environments.

IRIX version compatibility: 5.1

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## ImageStream Graphics and Presentation Filters™

Julie Garrett  
Product Manager  
INSO Corporation  
330 North Wabash  
19th Floor  
Chicago, IL 60611  
USA  
**312-494-5272**  
**312-670-0820 (fax)**  
**http://www.inso.com**

The ImageStream Graphics and Presentation Filters are loadable modules which allow the application developer to import/export popular graphics-formatted files into/from their application. Each imported file is turned into a consistent stream of data which can be interpreted by the application and placed into their display list for on screen rendering or editing. Similarly, export filters provide the developer the ability to write files in the supported formats. This technology is licensed to the developer and is updated on a quarterly basis. Demos are available.

IRIX version compatibility:

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## ImageStream® Graphics and Presentation Filters

Tom Stafford  
Licensing Manager  
INSO Corporation  
4901 Main  
Suite 300  
Kansas City, MO 64112-  
2674  
USA  
**816-753-1316**  
**816-753-8387 (fax)**  
**tstafford@inso.com**  
**http://www.inso.com**

ImageStream® Graphics Filters provide import/export support for over 60 raster, vector, and hybrid formats. This support includes proprietary formats such as IGES, CGM, and TIFF. ImageStream Graphics Filters are supported by two documented interface options. The Platform Metafile Interface imports/exports graphics files by converting them to and from the platforms metafile (i.e. WMF, ENH, MET, PICT) and the GDSF Interface allows for direct integration to an application's display list or destination file format. The filters are a component of an application and do not require any special hardware or software considerations. ImageStream Graphics Filters are available for Win16, Win32, MAC, OS/2 and UNIX.

IRIX version compatibility: 5.x, 6.x

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## Insure++

Arthur Hicken  
Marketing Manager  
ParaSoft Corporation  
2031 South Myrtle Avenue  
Monrovia, CA 91016  
USA  
**818-305-0041**  
**818-305-9048 (fax)**  
**arthur@parasoft.com**  
**http://www.parasoft.com/**

Insure++ (formerly Insight) is a powerful new software development tool. Insure++ identifies compile time errors, run-time errors, and algorithmic errors, including structural errors in variables, Unix system calls, C libraries, third party libraries, and I/O statements. Insure++ pinpoints memory reference errors precisely by analyzing your source code. Insure++ also provides a unique data visualization tool that produces visual images of memory and data patterns.

IRIX version compatibility: pre-5.x, 5.3, 6.x

# Development Tools

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## Internet<ToolKit>

Stacey Carroll  
Products Division  
ObjectSpace, Inc.  
14881 Quorum Drive  
Suite 400  
Dallas, TX 75240  
USA  
**214-934-2496**  
**214-663-9100 (fax)**  
**info@objectspace.com**  
**http://www.objectspace.com**

Add Web content generation to multithreaded, distributed systems and you have Internet<ToolKit>. This high-end bundle gives you Foundations<ToolKit>, Communications<ToolKit>, and Web<ToolKit> for one low price. This powerful feature package allows you to build dynamic Web pages with distributed-based back-end data feeds. It optionally includes Standards<ToolKit>.

All class libraries in the ObjectSpace C++ Component Series comes complete with:

- \* Full source code
- \* Extensive online or printed user guides and class reference manuals
- \* Hundreds of examples
- \* Non runtime royalties

Call today for an updated platform support directory.

IRIX version compatibility: 5.3

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## Larson CGM Generator

Dan V. Smith  
Marketing Manager  
Larson Plotting Solutions  
11111 Wilcrest Green Drive  
Houston, TX 77042  
USA  
**713-977-4177**  
**713-977-4176 (fax)**  
**sales@cgmlarson.com**  
**http://www.cgmlarson.com**

The Larson CGM Generator is a sub-routine library for outputting industry standard computer graphics files from an application. Developers of Geoscience, Mapping, and CAD application will benefit with the use of CGM as the plot file format since these applications often require wide format color plotting. The Larson CGM Generator is especially attractive to Seismic Applications because of the CGM+ (Seismic Extensive Format).

The PIP (Petroleum Industry Profile for CGM) Standard is also supported by the Larson Library.

Available in C or FORTRAN. Configuration: Indy or Higher, 16MB RAM

IRIX version compatibility: 5.3, 6.2

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## Latitude™

David Hempling  
President and CEO  
The Latitude Group, Inc.  
888 Villa Street  
Suite 230  
Mountain View, CA 94041  
USA  
**415-691-4080**  
**415-691-4090 (fax)**  
**david.hempling@latgroup.com**  
**http://www.latgroup.com**

Latitude™ enables developers to run Macintosh® application software at high speed with a native graphical user interface. Macintosh application source code is recompiled to run as native code directly high-speed, RISC workstations with little or no modifications to the original program. The original, recompiled code is then linked to Latitude to produce a Latitude-enabled application.

IRIX version compatibility: 5.3



# Development Tools

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## Linda®

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**

Linda® is a coordination language which supplies the “glue” needed to cement many independent processes together into a single parallel program. Linda provides a virtual shared memory (VSM) that is logically shared by all the processes in a parallel program. Processes in a LINDA parallel program execute simultaneously and exchange data by generating, reading, and consuming data object in the VSM using four basic operations. Any program written in C, C++, or Fortran can be parallelized using these simple LINDA operations. In addition, every LINDA system includes powerful graphically-based software development, debugging, and performance analysis tools.

IRIX version compatibility: pre-5.x, 5.x, 6.x

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## MAGRST for UNIX

Chris Herzog  
President  
Software Technologies  
Group, Inc.  
1127 South Mannheim Road  
Suite 313  
Westchester, IL 60154  
USA  
**708-547-0110**  
**708-547-0783 (fax)**  
**zog@stg.com**  
**http://www.stg.com**

MAGRST for UNIX provides the ability to read and extract data from tapes written using Prime Computer’s MAGSAV utility. MAGRST for UNIX supports processing ASCII, binary, INFORMATION, MIDASPLUS, PRISAM, and HENCO INFO files.

IRIX version compatibility: 5.x

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## MKS Source Integrity

Virginia Jamieson  
Public Relations  
MKS, Inc.  
185 Columbia Street, West  
Waterloo, ON N2L 5Z5  
Canada  
**519-883-4350**  
**sales@mks.com**  
**http://www.mks.com**

MKS Source Integrity is an software configuration management (SCM) system for client/server and Intranet project leaders who must manage change and enable team development. MKS SOURCE Integrity is the only SCM solution to manage both client/server and Web-based development environments. Features include complete project management facilities, distributed access, life cycle management, advanced security, interactive Visual Merging, and process automation. Integrated with popular client/server and Web tools such as Visual C++, Visual Basic, Delphi, Borland C++, PowerBuilder, Navigator Gold, and Web servers, it is available for Windows, Windows NT, Windows 95, Web Browsers, Web Servers, DOS, OS/2, and UNIX.

IRIX version compatibility: 5.3

# Development Tools

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## MLWorks®

Sales  
Harlequin Incorporated  
One Cambridge Center  
Cambridge, MA 02142  
USA  
**1-800-967-5749,**  
**617-252-6505 (fax)**  
**web@harlequin.com**  
**http://www.harlequin.com/**

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. Compatibility 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: 5.x, 6.x

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## MainWin® Studio

Celeste Baldi  
Marketing Communications  
Manager  
Mainssoft Corporation  
1270 Oakmead Parkway  
Suite 310  
Sunnyvale, CA 94086  
USA  
**408-774-3403**  
**408-774-3404 (fax)**  
**celeste@mainssoft.com**  
**http://www.mainssoft.com/**

MainWin® Studio is a complete set of cross-platform development tools that enable a software developer to extend an application written to the Microsoft Windows API onto all major UNIX platforms. Unlike competitive cross-platform tools, MainWin Studio is the most complete and seamless solution for leveraging an application's original source code, resource files, online documentation, automated testing scripts and source code repositories across UNIX platforms.

MainWin Studio consists of the MainWin XDE (eXtended Development Environment), MainWin Help (the Microsoft Help engine on UNIX, included with MainWin XDE), MainWin Test and Visual SourceSafe for UNIX.

Mainssoft has source code license agreements with Microsoft for Microsoft Windows 3.1, NT and Windows95 including the Help engine, Microsoft Test and Microsoft Visual SourceSafe.

IRIX version compatibility: 5.x

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## MetaCard®

Scott Raney  
President  
MetaCard Corporation  
4710 Shoup Place  
Boulder, CO 80303  
USA  
**303-447-3936**  
**303-499-9855 (fax)**  
**info@metacard.com**

MetaCard® is a hypermedia/Rapid Application Development environment for X11/UNIX and Windows 95/ NT workstations that is similar to Apple/Clarisc Corporation's HyperCard. It goes beyond HyperCard by including support for color controls and images, pull-down and popup menus, scrollbars and dialog boxes. MetaCard's entire interface is built in MetaCard, so end users can edit any menu or dialog to make it look and behave any way they want.

MetaCard can be used by programmers and sophisticated end users to build Motif applications and hypermedia documents using a powerful, direct manipulation editor and a simple scripting language. Stacks developed with MetaCard are portable among all supported platforms and can be distributed with the MetaCard engine without licensing fees or royalties.

IRIX version compatibility: 5.3, 6.x

# Development Tools

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## NEXPERT OBJECT®

Maureen Oliver  
Corporate Sales  
Neuron Data, Inc.  
1310 Villa Street  
Mountain View, CA 94041  
USA  
**800-876-4900**  
**415-943-2756 (fax)**  
**maureen.**  
**oliver@neurondata.com**  
**<http://www.neurondata.com/>**

NEXPERT OBJECT® is a highly graphical rule- and object-based environment available on over 35 platforms. In addition to a powerful inference engine, NEXPERT features dynamic integration to a wide variety of databases and file systems, and is fully integratable with C, Fortran, COBOL and other programming environments.

Current release: 3.1

IRIX version compatibility: 6.2

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## Net.h++™

Billie Chapman  
Executive Assistant  
Rogue Wave Software, Inc.  
850 SW 35th Avenue  
Corvallis, OR 97333  
USA  
**541-754-3010**  
**541-754-3185 (fax)**

Net.h++ is a C++ library that simplifies client/server and peer-to-peer development making it easier to write applications that communicate across a network. It provides an easy-to-use object-oriented interface to Inter-Process Communication(IPC) and network communications services. The Net.h++ framework allows you to develop code that is portable to multiple operating systems and network services. It features a multi-layered architecture that lets you choose the level of abstraction that's right for your application.

Windows 3.1, Windows NT, Windows 95, OS/2, UNIX.

IRIX version compatibility:

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## NuGraf® Developer's 3D Toolkit

Robert Lansdale  
President  
Okino Computer Graphics,  
Inc.  
6271 Dorman Road  
Unit #6  
Mississauga, ON L4V 1H1  
Canada  
**905-672-9328**  
**905-672-2706 (fax)**  
**sales@okino.com**  
**<http://www.okino.com>**

NuGraf® Developer's 3D Toolkit is a complete drop-in framework ideal for development of 3-D rendering applications or to augment existing modeler/visualization/CAD applications with advanced rendering technology. At the core of the toolkit is a mature, robust and proven photo-realistic 3-D renderer capable of creating dazzling images within seconds or minutes of huge databases on a minimal PC or UNIX platform. Other major components include an extensive hierarchical database manager, a wide selection of efficient modeling primitives, a hierarchical picking mechanism and a programmable pixel output driver subsystem. Multi-platform. See WEB site for complete information, 700 page API and demonstrations.

IRIX version compatibility: "5.x, Pre 5.x", pre-5.x, 5.x, 6.x

# Development Tools

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## OPEN INTERFACE ELEMENTS™

Maureen Oliver  
Corporate Sales  
Neuron Data, Inc.  
1310 Villa Street  
Mountain View, CA 94041  
USA  
**800-876-4900**  
**415-943-2756 (fax)**  
**maureen.**  
**oliver@neurondata.com**  
**http://www.neurondata.com/**

OPEN INTERFACE ELEMENTS™ is an object-oriented, extensible GUI development environment with script language development facility. It is portable across more than 35 platforms without changing a line of code. Its Layout Editor includes a powerful set of object-oriented design tools for creating windowing components including tables, scroll boxes, text processors and icons. It allows the integration of customized widgets to any environment.

IRIX version compatibility: 6.2

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## 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**

Paradise® is SCIENTIFIC 's most flexible and powerful parallel and distributed computing environment. It is based upon a virtual shared memory model that enables the creation of ensemble applications from otherwise independent programs. Paradise provides functionality like a persistent data store to be shared between processes or applications, a transaction mechanism to allow the creation of fault-tolerant distributed codes, and Piranha capabilities to handle dynamic task-level load balancing. In addition, Paradise includes a powerful "Spawn" command for controlling remote processes. Paradise can target Unix workstations as well as networks of x-86 and PowerPC-based systems running Windows NT or Windows 95.

IRIX version compatibility: 5.2, 5.3

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## Passport®

Cynthia Roeth  
Passport Corporation  
Mack Centre III  
140 East Ridgewood  
Avenue  
Paramus, NJ 07652-3915  
USA  
**201-634-1100**  
**201-634-0406 (fax)**  
**chroeth@aol.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:

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## QUERY©

Steven Talbott  
Marketing Communications  
CADCentre, Ltd.  
High Cross  
Madingley Road  
Cambridge, CB3 0HB  
UK  
**44-1223-556655**  
**http://www.cadcentre.co.uk**

QUERY© is an interfacing tool kit that enables CADCentre's plant design products to integrate with any external system transparently. Typically it has been used to integrate CADCentre's plant design products with relational databases such as ORACLE and SYBASE. However, QUERY's flexibility means that it can be used to integrate with most external systems.

IRIX version compatibility: 5.2, 5.3, 6.2

# Development Tools

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## Quality Works™

Anne Blessington  
Alliance Programs Mgr.  
Segue Software, Inc.  
1320 Centre Street  
Newton, MA 02159  
USA  
**617-796-1126**  
**617-796-1610 (fax)**  
**anne@segue.com**  
**http://www.segue.com**

Segue Quality Works™ is the only software testing system that can test all components of your distributed client/server applications - across multiple platforms and releases, completely unattended from a central point of control and one set of reusable scripts. It includes: Seague's QA Partner distributed testing system; QA Organizer integrated test planning and management; QA Radar automated defect tracking; QA DBTester, data validations via direct SQL access; and QualityWare scripts, including GO! and Surf! automatic testing. An open QA architecture, exclusive Agent technology, and Extension Kit enable integration with third-party products and technologies like Java, PowerBuilder, SQL Windows, VisualBasic, XVT, and others.

IRIX version compatibility: 5.3

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## S/REXX®

Robert Benaroya  
Director  
Benaroya  
31 rue de Constantinople  
Paris, 75018  
France  
-72  
**+33-1-47-22-06-17 (fax)**

S/REXX is a UNIX® implementation of the IBM® SAA REXX language. S/REXX is a superior replacement of job control languages such as the C-Shell, because S/REXX offers a more user-friendly syntax and a rich set of built-in functions. In addition to the standard REXX features such as extensive interactive debugging facilities, text parsing, and string manipulation, S/REXX offers an exclusive dynamic loading feature allowing the user to build a collection of general utility routines, and then to incorporate them when needed in different programs. S/REXX can also be used as a macrocommand language within the SEDIT® editor.

IRIX version compatibility: 5.3, 6.x

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## SMART ELEMENTS™

Maureen Oliver  
Corporate Sales  
Neuron Data, Inc.  
1310 Villa Street  
Mountain View, CA 94041  
USA  
**800-876-4900**  
**415-943-2756 (fax)**  
**maureen.**  
**oliver@neurondata.com**  
**http://www.neurondata.com/**

SMART ELEMENTS™ is a client/server application development environment that combines object-oriented structures and business rules with GUI design and script facilities, and data access capability. Its object modules and message-passing capabilities enable developers to build reusable, modular, encapsulated code. The GUI module allows building portable GUIs with rule-based applications and direct access to any datasource.

Current release: 2.1

IRIX version compatibility: 6.2

# Development Tools

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## SQL~Surfer™

Regis Baudu  
Technical Manager  
NETAWAY  
105, Rue des Moines  
Paris, 75017  
France  
**33 1 4025 4711**  
**33 1 4025 4714 (fax)**  
**rbaudu@netaway.com**  
**http://www.netaway.com**

SQL

Surfer™ is a generic middleware between WEB and company information system components : it allows native access to DB2, Informix, Oracle, SQL Server and Sybase and ODBC access to others RDBMS, on NT and Unix. It access to external applications and system commands. Optimized for WEB Applications, SQL

surfer's native databases interfaces are designed for high performance transaction processing, and incorporates a Multi-RDBMS Web Request Borker allowing many more users to access a WEB site. It transparently supports HTML, VRML, JAVA, Javascript, JScript, VBScript, ActiveX, .... and includes JDBC Java classes to access RDBMS from JAVA applications or applets in taking advantage of SQL

Surfer true client/server features like cursor management, user conext management, transaction management. SQL

Surfer incorporates a graphical WEB application generator : SQL

Surfer Application Builder. Developped in Java, the SQL

Surfer Application Builder runs on any web browser supporting JAVA and allows developers new to the WEB to produce HTML-based WEB-Database applications - including Javascript, JScript, VBScript - in minutes.

IRIX version compatibility: 6.2

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## Semper 6

Grenville Smith  
Sales Manager  
Synoptics Ltd.  
271 Cambridge Science  
Park  
Milton Road  
Cambridge, CB4 4WE  
UK  
**011-44-0-1223-4**  
**011-44-0-1223-4 (fax)**  
**sales@synoptics.co.uk**

Semper 6 from Synoptics is a flexible general purpose image processing language. It gives you a complete toolkit of image processing functions at your fingertips and frees you to concentrate on your applications.

IRIX version compatibility: pre-5.x, 5.x, 6.x

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## StethoScope® for IRIX

Carla Hannum  
Corp. Comm. Manager  
Real-Time Innovations, Inc.  
155A Moffett Park Drive  
Suite 111  
Sunnyvale, CA 94089  
USA  
**408-720-8312**  
**408-734-5009 (fax)**  
**info@rti.com**  
**http://www.rti.com**

StethoScope® is a powerful real-time data collection and display tool for Irix with REACT. StethoScope lets you choose any of your program's variables and watch them change in real time. It lets you examine and modify variables while your application is running, answering many questions that a debugger can't touch. It is the essential tool for engineering and graphics programs, including simulation, control, data acquisition, and signal processing.

IRIX version compatibility: 5.x

# Development Tools

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## Synergy/DE Professional Series

Sandra Weber  
Marketing Writer  
Synergex  
2330 Gold meadow Way  
Gold River, CA 95670  
USA  
**916-635-7300**  
**916-635-6549 (fax)**  
**info@synergex.com**  
**http://www.synergex.com**

Synergy/DE Professional Series enables developers to create highly-portable business applications. It includes everything from the robust logic core to 4GL UI, open data system, SQL, ODBC, and client/server tools.

IRIX version compatibility: 5.1

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## Synergy/DE xfServer

Sandra Weber  
Marketing Writer  
Synergex  
2330 Gold meadow Way  
Gold River, CA 95670  
USA  
**916-635-7300**  
**916-635-6549 (fax)**  
**info@synergex.com**  
**http://www.synergex.com**

Synergy/DE xfServer enables developers or cutomers to set up a distributed architecture, centralizing Synergy databsaes so Synergy applications can access them throughout the network.

IRIX version compatibility: 5.1

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## Systems <ToolKit>™

Stacey Carroll  
Products Division  
ObjectSpace, Inc.  
14881 Quorum Drive  
Suite 400  
Dallas, TX 75240  
USA  
**214-934-2496**  
**214-663-9100 (fax)**  
**info@objectspace.com**  
**http://www.objectspace.com**

Systems<ToolKit> is the solution for multithreaded, distributed development. Systems<ToolKit> comes complete with all of Foundations<ToolKit> and Communications<ToolKit> for one low price. It optionally includes Standards<ToolKit>.

All class libraries in the ObjectSpace C++ Component Series comes complete with:

- \* Full source code
- \* Extensive online or printed user guides and class reference manuals
- \* Hundreds of examples
- \* Non runtime royalties

Call today for an updated platform support directory.

IRIX version compatibility: 5.3

# Development Tools

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## TeemCreator

Dennis Gazik  
Senior Sales Executive  
Pericom Software, Inc.  
Golden Crest Corporate  
Center  
2271 State Highway 33  
Suite 106  
Hamilton Square, NJ 08690  
USA  
**609-588-5300**  
**609-588-8906 (fax)**  
**dennis@pericom-usa.com**  
**http://www.pericom-usa.com**

TeemCreator is an advanced 4GL programming environment that converts legacy, host-based applications to a GUI-based client-server solution using a comprehensive set of tools and templates (labels, bitmaps, dialogs, menus, buttons, etc.) without the cost and risk of redevelopment.

IRIX version compatibility: 5.x, 6.x, Pre 5.x

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## The Virtual System Environment (VSE)

Margaret Cave  
Director, Administration  
Prediction Systems, Inc.  
309 Morris Avenue  
Suite G  
Spring Lake, NJ 07762  
USA  
**908-449-6800**  
**908-449-0897 (fax)**  
**psi@village.ios.com**

PSI's Computer-Aided Design (CAD) product, VSE, for systems development and maintenance, provides graphical user interfaces and English-like languages that specify a design in sufficient detail that the software is generated automatically. VSE provides many new concepts and features that revolutionize the way complex automated systems are developed, eliminating computer programming as we know it today. The system is decomposed into hierarchical modules whose interconnections are described graphically to produce the desired implementation of functions. The primitive elements of the engineering drawings are descriptions of the system's attributes and rules. When the detailed design is done, C-code is generated automatically.

IRIX version compatibility:

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## Tools.h++™

Billie Chapman  
Executive Assistant  
Rogue Wave Software, Inc.  
850 SW 35th Avenue  
Corvallis, OR 97333  
USA  
**541-754-3010**  
**541-754-3185 (fax)**

Tools.h++™ simplifies C++ programming by providing a set of fundamental data structure and collection classes. Tools.h++ 7.0 contains all the power of 6.1 (sets, bags, sorted collections, strings, regular expressions, dates and times, linked lists, extensible virtual streams for persistence) plus new features: a more powerful regular expression class, Endian Streams that allow the sharing of binary data, persistent template collections, improved runtime performance, and more. Tools.h++ 7.0 encapsulates the ANSI/ISO Standard C++ Library with a familiar object-oriented interface, and includes a host of other features, such as hash-based sets, not included in the standard.

Windows 3.1, Windows NT, Windows 95, OS/2, UNIX, Macintosh.

IRIX version compatibility:

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## UNIVERS'X

M. Blanger  
CEO  
BVA MYFRA  
83 Avenue Aristide  
Briand  
Montrouge, 92120  
France  
**011-33-1-46-57-**  
**011-33-1-46-57- (fax)**

UNIVERS'X is a library accelerating the development of graphical application under the X-Windows motif. This library proposes fast decompression functions as well as fast image processing functions. Users need Univers'X for easily developing an imaging application.

IRIX version compatibility: 5.x



# Development Tools

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## 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 ("objects") 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 algorithmic language. Umbel behavioral objects can be distributed on the World-Wide Web, enabling a global programming and simulation environment. Umbel provides the tools necessary for developers to access behavior classes, and to create new behaviors and behavior classes.

IRIX version compatibility: 5.3

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## UniSoft ABI Verification Test Suite (ABVITS)

Audrey Ruelas  
Associate Business Mgr.  
UniSoft Corporation  
1250 Bayhill Drive  
Suite 200  
San Bruno, CA 94066  
USA  
**415-794-2666**  
**415-794-2668 (fax)**  
**audrey@unisoft.com**  
**http://www.unisoft.com**

The ABVITS consists of the following test suites: generic ABI test suite (gABI), a processor specific ABI test suite (psABI) MIPS version available, an NFS test suite (ABITS-NFS), a Network Services Library test suite (ABITS-NSL), a Complilation Environment test suite (CETS), an X11 test suite (ABITS-X11) and an Application Conformance test suite (ACTS). Must have a valid source license of VSX4 including XNFS is ABITS-NFS source is required.

IRIX version compatibility: pre-5.x, 5.x, 6.x

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## UniSoft Application Conformance Test Suite (ACTS)

Audrey Ruelas  
Associate Business Mgr.  
UniSoft Corporation  
1250 Bayhill Drive  
Suite 200  
San Bruno, CA 94066  
USA  
**415-794-2666**  
**415-794-2668 (fax)**  
**audrey@unisoft.com**  
**http://www.unisoft.com**

The ACTS tests the format of ELF files for compliance to the ABI. This tool is aimed primarily at ISV's who wish to check that their application conforms to the ABI (Application Binary Interface) for MIPS. ACTS consists of two parts, a static checker and a dynamic checker. The static checker examines the ELF file and verifies that it conforms to the ABI for MIPS. The dynamic checker modifies an existing binary to insert interface checking routines; when run, it checks the arguments being passed to the system libraries and compares them with values specified in the SVID.

IRIX version compatibility: "5.x, 6.x", pre-5.x, 5.x, 6.x

# Development Tools

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## VADS-Ada Development System

Jason Borens  
Business Development Rep  
Rational Software  
Corporation  
2800 San Tomas  
Expressway  
Santa Clara, CA 95051-  
0951  
USA  
**408-496-3756**  
**408-496-3638 (fax)**  
**jasonb@rational.com**

VADS Family - Extensive family of mature, production-quality, optimizing ADA compilers, cross compilers and run-time systems, with tools that debug, understand, tune, and deliver code. All VADS products work with Rational Apex.

VADSself: Complete toolset for developing applications.

VADScross: Complete toolset for developing embedded applications. Provides broadest target coverage in the industry. Includes all VADSself tools. Extends VADS to provide a fast, efficient, real-time, cross-development system.

VADSworks: VADScross version that supports the VxWorks runtime executive from Wind River Systems.

IRIX version compatibility: 6.x

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## VPE

Chris Dozier  
Vice President  
VPE, Inc.  
601 Madison Street  
Suite 200  
Alexandria, VA 22314  
USA  
**703-684-3700**  
**703-684-3727 (fax)**  
**sales@vpe.com**  
**http://www.vpe.com**

VPE is an integrated set of Rapid Application Development tools that allow software developers to quickly build client/server applications.

VPE's open architecture facilities building complex information systems that can be distributed across multiple computing platforms, display devices, and databases.

VPE features:

- Client/server application development
- Supports images, maps, graphs, drawings and text
- Robust, high-level event-driven business rule programming
- External process communications
- Supports all major UNIX platforms
- Simultaneous access to multiple heterogeneous databases (Oracle, Sybase, etc.)
- Support for in-line or dynamic SQL

IRIX version compatibility: 5.x, 6.x

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## VisiBroker for C++

Mary Landloff  
Manager, Marketing Comm.  
Visigenic Software, Inc.  
951 Mariner's Island Blvd.  
Suite 120  
San Mateo, CA 94404  
USA  
**415-286-1980**  
**415-286-2464 (fax)**  
**mlndloff@visigenic.com**  
**http://www.visigenic.com**

VisiBroker for C++ (formerly ORBeline), a complete CORBA 2.0 Object Request Broker (ORB) implementation, is a development tool for building, managing, and deploying distributed C++ applications that are open, flexible, and interoperable across multiple platforms. Objects built with VisiBroker for C++ can easily be accessed by Web-based applications, such as applications built with VisiBroker for Java that communicate using CORBA's Internet-Inter-ORB protocol (IIOP).

IRIX version compatibility: 5.2, 6.x

# Development Tools

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## VisiBroker for Java

Mary Landloff  
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Visigenic Software, Inc.  
951 Mariner's Island Blvd.  
Suite 120  
San Mateo, CA 94404  
USA  
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**415-286-2464 (fax)**  
**mlndloff@visigenic.com**  
**http://www.visigenic.com**

VisiBroker for Java (formerly BlackWidow), the first CORBA 2.0 Object Request Broker (ORB) written completely in Java, is a development tool for building, managing, and deploying distributed Java applications that are open, flexible, and interoperable across multiple platforms. VisiBroker for Java enables true interoperable distributed applications for the Internet, Intranets, and enterprise computing environments through native implementation of CORBA's Internet Inter-ORB protocol (IIOP).

IRIX version compatibility: 5.2, 6.x

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## VisiChannel for ODBC

Mary Landloff  
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Visigenic Software, Inc.  
951 Mariner's Island Blvd.  
Suite 120  
San Mateo, CA 94404  
USA  
**415-286-1980**  
**415-286-2464 (fax)**  
**mlndloff@visigenic.com**  
**http://www.visigenic.com**

VisiChannel (formerly Visigenic OpenChannel) provides the only complete database connectivity architecture that is open, flexible, and significantly reduces the cost of building and maintaining your client/server environment. With a revolutionary server-centric architecture, VisiChannel greatly simplifies database-independent, and accommodates ODBC-enabled development tools as well as custom enterprise, shrink-wrapped decision support, and Java™ applications. VisiChannel is Internet-ready, with an extensible architecture that allows it to grow and change as new programming technologies emerge.

IRIX version compatibility: 5.2, 6.x

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## VisiODBC Drivers

Mary Landloff  
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951 Mariner's Island Blvd.  
Suite 120  
San Mateo, CA 94404  
USA  
**415-286-1980**  
**415-286-2464 (fax)**  
**mlndloff@visigenic.com**  
**http://www.visigenic.com**

With the VisiODBC Drivers (formerly Visigenic ODBC Drivers), you can provide cross-platform access to the most popular SQL databases including CA-Ingres, IBM DB2, Informix, Microsoft SQL Server, Oracle, Sybase DBLib, and Sybase SQL Server 10 from any ODBC-enabled application. The VisiODBC drivers are carefully designed to support the development of mission-critical applications and are available for Windows, Windows NT, Windows 95, ATT GIS, IBM, HP-UX, SCO, Solaris, Sun OS, Macintosh and Power Macintosh, and OS/2. VisiODBC Drivers are sold separately or as the VisiODBC DriverSet\*, a complete set of drivers for a given platform.

\*The IBM DB2 driver is not sold as part of the VisiODBC DriverSet

IRIX version compatibility: 5.2, 6.x

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## VisiODBC SDKs

Mary Landloff  
Manager, Marketing Comm.  
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951 Mariner's Island Blvd.  
Suite 120  
San Mateo, CA 94404  
USA  
**415-286-1980**  
**415-286-2464 (fax)**  
**mlndloff@visigenic.com**  
**http://www.visigenic.com**

With the VisiODBC SDKs (formerly Visigenic ODBC SDKs), you can develop vendor-independent database applications and ODBC-compliant drivers. Through an agreement with Microsoft, Visigenic has the exclusive right to license and port the Microsoft ODBC Software Development Kit (SDK) to all non-Windows platforms. From this strategic position, Visigenic is advancing ODBC as the cross-platform standard for database access. Visigenic has proted the Microsoft ODBC 2.0 SDK to ATT GIS, IBM, AIX, HP-UX, SCO, Solaris, Sun OS, Macintosh and Power Macintosh, and OS/2.

IRIX version compatibility: 5.2, 6.x

# Development Tools

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## Visual:GKS+

David R. McMurdie  
Dir, Sales and Marketing  
Visual Engineering, Inc.  
2025 Gateway Place  
Suite 318  
San Jose, CA 95110  
USA  
**408-452-0600**  
**408-452-0632 (fax)**  
**info@ve.com**  
**http://www.ve.com/**

Visual:GKS+ is a library of 2-D and 3-D graphics subroutines that can be called from C, FORTRAN, or Ada. This package conforms to the ANSI GKS standard at level 2c, and adds 3-D features proposed by the International Standards Organization. In addition, Visual:GKS+ provides realism levels, shading functions, and extended 3-D primitives for ease of use. This package includes Visual Engineering's revolutionary GraphCap technology, and can be used with virtually any graphics device. Visual:GKS+ has been written to take advantage of Silicon Graphics' unique 3-D graphics capabilities.

IRIX version compatibility: 5.x, 6.x

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## VisualWorks® 2.5 for SGI

Marketing Department  
Georg Heeg - Object-  
oriented Systems  
PO Box 52 01 01  
Dortmund, 44207  
Germany  
**49-231-97599-0**  
**hotmix@heeg.de**  
**http://www.heeg.de**

VisualWorks® is the object-oriented Software Development Environment with the largest available turn-key framework. Originally developed by ParcPlace-Digitalk, Inc., it has been ported to the SGI MIPS platforms by Georg Heeg - Object-Oriented Systems.

IRIX version compatibility: "5.3, 6.1", 5.2, 5.3, 6.2

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## Wind/U®

Kevin Blackwell  
Sales Director  
Bristol Technology, Inc.  
241 Ethan Allen Highway  
Ridgefield, CT 06877  
USA  
**203-438-6969**  
**203-438-5013 (fax)**  
**info@bristol.com**  
**http://www.bristol.com/**

Wind/U® is the award-winning cross-platform development toolkit that lets you compile Microsoft Windows application source code for UNIX, Open VMS, and OS/390 platforms. You can leverage Windows standards, including visula C++, Active X, OLE, and common controls and dialogs, while maintaining a single source code base for all platforms. When you recompile Windows applications in the UNIX environment and link to the Wind/U libraries, the result is a native application that provides features typically available only in Windows. With Wind/U, you can create cross-platform applications with identical functionality, native look-and-feel, and native performance.

IRIX version compatibility: 5.3, 6.2 Certified

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## X-Designer™, Java Edition

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/**

Imperial Software Technology's X-Designer makes it easy to build and test graphical user interfaces (GUIs). Quickly create a working Motif, Windows or Java GUI from a single design, and also generate test scripts. Automate your testing with XD/Replay. Re-engineer old interfaces with XD/Capture. X-Designer makes it easy to move old GUIs, even hand coded designs, over to Windows or Java. Build HTML help into your user interfaces with XD/Help. See why Information Week says X-Designer is "better than any GUI builder I've seen".

IRIX version compatibility: 5.36.x

# Development Tools

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## XESS®

Anne Hartley  
Vice President  
Applied Information  
Systems  
100 Europa Drive  
Suite 555  
Chapel Hill, NC 27514  
USA  
**919-942-7801**  
**919-493-7563 (fax)**  
**anne@ais.com**  
**http://www.ais.com/**

XESS® is network-enabled, real-time spreadsheet technology which serves as a robust desktop productivity tool and well-equipped to handle sophisticated client/server applications. As a spreadsheet XESS supports all arithmetic, Boolean, and logical operators available in the C programming language. It also has a wealth of functions for complex engineering, scientific, and financial calculations plus formula constraint checking for validating calculated results. The unique Connections API toolkit allows easy customized integration and network deployment, making XESS ideally suited for VAR/OEM solutions. Demo software is available for anonymous ftp from ftp.uu.net in directory /vendor/ais/.

IRIX version compatibility: 5.2, 5.3, 6.2

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## XRunner™

Erin Cross  
Mercury Interactive  
Corporation  
470 Potrero Avenue  
Sunnyvale, CA 94086  
USA  
**408-523-9900**  
**408-523-9911 (fax)**  
**info@merc-int.com**  
**http://www.merc-int.com/**

XRunner™ is Mercury Interactive's automated software testing tool for XWindows based client/server applications. Its powerful, intuitive automated application testing keeps both quality and testing in step with the rapid deployment of today's client/server systems. XRunner offers just the right toolset for GUI test automation to run quickly and smoothly. Its fully integrated Visual Testing environment makes test development easier by incorporating simplified test script management, point-and-click selection, interactive debugging and more. XRunner's Script Wizard learns your application by navigating its way through all available. UI paths to create a complex test script suite. With XRunner, you're guaranteed that GUI application testing is fast, reliable, and complete across all UNIX platforms.

IRIX version compatibility: 5.x, 6.x

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## Xprinter™

Leslie Evans  
Marketing Communications  
Bristol Technology, Inc.  
241 Ethan Allen Highway  
Ridgefield, CT 06877  
USA  
**203-438-6969**  
**203-438-5013 (fax)**  
**Leslie@bristol.com**  
**http://www.bristol.com/**

Xprinter™ is a PostScript/PCL Language Library that provides a printing mechanism for X-Window System applications. Xprinter is for developers who are programming to the Xlib API. Xprinter allows developers to add PostScript/PCL support to their applications without having to learn either printer language. Powerful PostScript/PCL graphics and text capabilities can be accessed via a familiar C function interface. Xprinter implements a logical printer server that looks just like an X-Window server to the application. This server supports all PostScript/PCL fonts, pixmap, colormap, and graphics contexts. Xprinter offers complete PostScript/PCL capability for an application with minimal changes to the application source code.

IRIX version compatibility: 5.2, 5.3, 6.x

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## lint-PLUS®

Monty Swaiss  
Software Support Manager  
IPT Corporation  
1076 East Meadow Circle  
Palo Alto, CA 94303  
USA  
**415-494-7500**  
**415-494-2758 (fax)**  
**http://www.iptweb.com/**

lint-PLUS® is a stand alone tool designed to analyze and document 'c' source programs at all stages of development. lint-PLUS is more comprehensive than the standard compiler. It analyzes source files both individually and as a group, and therefore can identify problems that are completely beyond the scope of the compiler.

IRIX version compatibility: 5.x, 6.x

# Development Tools

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## **zApp Developer's Suite™**

Billie Chapman  
Executive Assistant  
Rogue Wave Software, Inc.  
850 SW 35th Avenue  
Corvallis, OR 97333  
USA  
**541-754-3010**  
**541-754-3185 (fax)**

The zApp Developer's Suite is a set of fully object-oriented development tools for designing and creating cross-platform applications. It combines the ease-of-use of visual programming with the power, flexibility, and performance of the industry's standard object-oriented language, C++.

The zApp Developer's Suite encapsulates and extends the standard native windowing systems to provide the richest set of functionality available, while building on the standard operating systems to provide true native look, feel, and performance. Includes zApp, zApp Factory, zHelp, and zApp Interface Pack.

Windows 3.1, Windows NT, Windows 95, OS/2, UNIX.

IRIX version compatibility:

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