# Linux Commercial-HOWTO

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This document contains commercial software and applications which are offered for Linux. It is maintained by *Harald Milz* (http://www.ix.de/ix/editors/hm.html) (Harald.Milz@Linux.org).

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# 1 Introduction

Having a free Unix-like operating system like Linux is Really Nice (TM). All the corresponding source code is publicly available, wither via FTP, on CD-ROMs or in specialized BBSes.

"Free Software", however, does not necessarily mean that the software is available for free – it just implies what you are allowed to do with it once you have it. This is the interpretation of the term "Free Software" pushed by the *Free Software Foundation* (`gnu@prep.ai.mit.edu`), especially by *Richard Stallman* (`rms@ai.mit.edu`) (the founder of the GNU project and the developer of GNU Emacs). My opinion is in perfect sync with that. However when it comes to widespread commercial use of the free operating system we are talking about, this is virtually impossible without commercial applications running on it.

# 2 About this document

This is the Linux Commercial-HOWTO. It contains commercial application software which is available for Linux. The Commercial-HOWTO will not contain Linux distributions and related stuff – that's what the Distribution-HOWTO is for. Actually, this document should have been called the "Linux Commercial Application HOWTO" to avoid confusion, but that seemed somehow unhandy to me...

If you need to know more about the Linux Documentation Project or about Linux HOWTO's, feel free to contact the supervisor *Greg Hankins* (`mailto:greg.hankins@cc.gatech.edu`)

This HOWTO will contain tabular entries for each product (example follows). The entry format is similar to the new Linux Software Map (LSM) entry (field/stanza lengths are arbitrary). Please: KEEP SHORT. Otherwise I'll have to shorten your data, and I hate work (and you don't want to have important data omitted, right?) ;-)

**Description:**

SHORT description of the package, just the basic functionality

**Distribution Media:**

diskettes, CD-ROM, tapes or others

**Licensing Policy:**

whatever applies. is there a free demo or shareware version available via FTP? Where?

**OS Provisions:**

kernel version, XFree86 version, Motif version, RAM, harddisk usage etc.

**Documentation:**

printed documentation, page number, online help, language

**Product Support:**

update service, maintenance, training and prices thereof

**Linux Support:**

if you bundle a complete Linux system with your software, which kind of support do you offer for the operating system? prices?

**Extra Features and Add-Ons:**

and their prices

**Available Since:**

the date you started shipping the Linux version

**Countries with Distribution:**

if you ship in too many countries to name them all, naming regional distribution channels is okay.

**Price Range:**

whatever it costs

**Installed Base:**

how many copies of the Linux version did you sell by now? (This piece of information will be kept secret if you wish. I'd just like to know what's going on... thank you.)

**Vendor:**

```
address
phone (U.S. and Canada: if you like to be reachable internationally,
       please don't enter only a 1-800 number. There are some more
       countries than just the U.S. and Canada. Just to remind you ;^)
fax
e-mail address
contact person
```

I'll post the list to several national and international newsgroups on a monthly basis. In addition, the Commercial-HOWTO is available via *FTP* (`ftp://ftp.ix.de/pub/ix/Linux/docs/HOWTO`) (the latest and greatest, ASCII, DVI, Postscript and HTML formats) and will be uploaded to *sunsite.unc.edu* (`ftp://sunsite.unc.edu/pub/Linux/docs/HOWTO`) if there were changes. WWW users can access the document at URL *http://www.ix.de/ix/linux/Commercial-HOWTO.html* (`http://www.ix.de/ix/linux/Commercial-HOWTO.html`) (mirrored at *http://fvkma.tu-graz.ac.at/howto/Commercial-HOWTO.html* (`http://fvkma.tu-graz.ac.at/howto/Commercial-HOWTO.html`)).

The Commercial-HOWTO is not a forum for product announcements or marketing hypes and no ad space – it is a service to potential customers and the whole Linux community. Resellers will not be listed – the list is for companies who produce their software themselves. Two main goals are being aimed at:

1. It shall help companies who want to run Linux to find software solutions and applications. The international distribution of this list will enhance the contact opportunity.

2. It is meant to prove the commercial useability of Linux and thus to encourage other vendors to port their software as well.

Companies and developers who are offering their products for Linux and interested in joining the Commercial-HOWTO are invited to fill in the following form and contact me via (*e-mail* (mailto:Harald.Milz@Linux.org), preferred) or fax (+49 (0)511/5352-361). If you happen to know a company which does, please drop me a note. If you send me an entry for your product(s), please don't forget to send me timely updates if appropriate.

Please do me a favor and see the section "Marketing aspects ..." for a questionnaire concerning marketing aspects ...

# 3 Copyright

This HOWTO is Copyright © 1995 by Harald Milz. Unauthorized reproduction in whatever form is explicitly allowed and strongly encouraged :-) . If you quote the document as a whole or parts of it, you are urged to add a Copyright hint to the derived work.

# 4 Disclaimer

This HOWTO is not actually a HOWTO in the sense of the *Linux Documentation Project* (http://sunsite.unc.edu/pub/Linux/docs/HOWTO/INDEX.html). Instead, it is an instrument to investigate the commercial Linux opportunity and to list applications which were already ported and marketed in a native Linux version. As a software vendor, you probably know that you can alternatively offer Linux users a statically linked SCO version of your application which would probably run under the iBCS2 emulator (albeit with a small performance penalty and higher memory requirements). Such applications will not be listed here (but see the *iBCS2 documentation* (ftp://tsx-11.mit.edu/pub/linux/BETA/ibcs2/)).

I will not select nor deselect any particular product. Instead, everyone who wants to have his/her product included will be serviced. However, I reserve the right to shorten individual entries to keep things in shape.

If you don't find a particular product or vendor in this list, this is probably due to one of the following reasons:

- I never heard of that product or vendor and thus didn't try to get in contact.
- I did get in contact, but the vendor didn't answer yet.
- I did get in contact, but the vendor stated positively that he doesn't sell his product for Linux (yet).

In any case, please kick me if you feel someone's missing, also if you discover any errors in the file. But don't forget: I'm not being paid for that job ;-) .

Sometimes two vendor's addresses are mentioned in the "Vendor:" field. In these cases I received the information from the German subsidiary / distributor. The original manufacturer's address is always mentioned first.

My comments in the text are enclosed in parentheses () and marked with my initials "hm".

As for text formatting, I apologize that I can't put horizontal rulers between entries as suggested. linuxdoc-sgml-1.1 which I'm still using doesn't offer this feature.

# 5 Related Information

There's another html page which covers commercial Linux software. It is provided by *LINUX.ORG.UK* (`http://www.linux.org.uk/LxCommercial.html`) and maintained by *Alan Cox* (`mailto:Alan.Cox@linux.org`).

# 6 Marketing aspects of commercial Linux applications

This section was suggested by (*Orest Zborowski* (`mailto:orestz@eskimo.com`)) and is still under construction. It is meant to help potential commercial software developers to market their products. There are several caveats to watch when doing this, e.g. the *GNU General Public License* (`ftp://ftp.germany.eu.net/pub/packages/gnu/COPYING`) (GPL) and the *GNU Library General Public License* (`ftp://ftp.germany.eu.net/pub/packages/gnu/COPYING.LIB`) (GLPL). I'd appreciate anyone who wants to share his/her experience with Linux-specific marketing issues to send me some lines (see questionnaire which follows). Please make sure that people interested in more specific items can contact you via e-mail or fax.

## 6.1 Investigation

Here is a questionnaire which I ask you to fill in and send me. Answers will be handled anonymously, and I will only disclose facts, no names. The facts you tell me will be of great value to get an idea how the commercial Linux market looks like. If you do not market your application in a native Linux version, please tell my why. If not stated otherwise, "*application*" stands for "*native Linux version of your application*".

- Why did you start marketing your *application*? Why didn't you do it earlier?
- How many copies of the application do you expect to sell
  - for Linux,
  - for all the other Unix variants,

  during the planned product life? (This information is kept confidential if you require)
- How many copies of your application did you already sell
  - for Linux?
  - for all the other Unix variants?

  (This information is kept confidential if you require)
- Which technical problems did you have porting your application to Linux? How did you solve/circumvent them?

- How many employees are working on
  - porting to Linux,
  - providing support to end users/distributors?

  (This information is kept confidential if you require)
- Does your company offer the support for the *application* or did you (attempt to) outsource the support? If you provide support yourself, would you like to outsource it?
- Which issues were important for the pricing? Is the *application*
  - more expensive,
  - equally priced,
  - cheaper,
  - shareware priced,

  compared to versions for other Unix variants?
- What types of end users you you address with the *application*?
- According to your experience, was it a good decision to start marketing the *application*? Will you port and market other *applications* too?
- Are there any copy protection issues you have/like to consider? If yes, how did you solve the problem?
- How do you think about the *iBCS2 emulator* (`ftp://tsx-11.mit.edu/pub/linux/BETA/ibcs2/`) and offering a statically linked SCO/ISC or other version runnable under the emulator? Why did you choose to offer a native Linux version instead?
- What is your warranty strategy (Do you restict the usage to certain kernel/C-lib versions etc.)?
- Which country-specific (e.g. legal) issues did you have to take into consideration? How did you cope with them?
- Are there any other important issues which I possibly (probably) forgot to ask?

## 6.2 Some Aspects

**Porting to Linux** simply means recompiling in many, many cases. Sometimes some `#include` tweaking may be necessary. If you develop your apps using GNU C/C++ which is very useful sometimes, there should be virtually no further work to do.

One big **advantage with Linux** is that all the source code of the operating system is freely available. Experienced programmers can easily spot the locations where problems occur and contact the "responsible" developer for assistance. I never encountered any of those guys being impolite – just make sure you read the respective documentation first...

The persons responsible for the Linux port should know where to get vital information in case of problems. The *Linux Documentation Project* (`http://sunsite.unc.edu/pub/Linux/docs/HOWTO/INDEX.html`)

offers plenty information about all and everything and the kitchen sink. The *Linux INFO-SHEET* (`http://sunsite.unc.edu/pub/Linux/docs/HOWTO/INFO-SHEET`) is a good place to start with for beginners.

The key to success with your Linux port is **Internet access**, particularly **FTP access** to the big Linux FTP servers as *sunsite.unc.edu* (`ftp://sunsite.unc.edu/pub/Linux`) or *tsx-11.mit.edu* (`ftp://tsx-11.mit.edu/pub/linux`) and their legion mirrors.

It appears that one big problem is **after-sales support**. If you do market your software for Linux, you should consider to employ someone who knows whom and where to ask in case of problems with the OS itself. On the other hand, you may expect problems with Linux to be solved **much** faster than problems with commercial Unix variants. For example, the */bin/login* bug allowing people to log onto Unix hosts as `root` without entering a password (known publicly in September 1994) was solved in a fortnight under Linux, whereas IBM shipped AIX with the broken */bin/login* for another couple of months (and didn't tell customers although there was a fix available via FTP).

**After-sales support** for Linux, on the other hand, can be a good opportunity for small companies and startups. If you want to sell a Linux version of your product you might want to find such a company to outsource the after-sales support (see respective section). They might even help you with the porting.

Some companies selling big and expensive software packages **offer completely installed systems**, i.e. the hardware, the OS and their specific software. In the contract, you can restrict your warranty to specific kernel / library versions so that problems are unlikely to occur at a later time.

The *GNU General Public License* (`ftp://ftp.germany.eu.net/pub/packages/gnu/COPYING`) (GPL) and the *GNU Library General Public License* (`ftp://ftp.germany.eu.net/pub/packages/gnu/COPYING.LIB`) (GLPL) contain no restriction in terms of marketing products developed with GNU tools as the GNU C/C++ compiler. Anyway, the legal strength of the GPL was never checked at court – I doubt it can be *enforced* outside the U.S.A. If you violate the GPL, you may expect being sued by the FSF and being bashed publicly by the Linux community – the GPL has a strong *ethic* value. In case of doubts, you might want to contact the *Free Software Foundation* (`mailto:gnu@prep.ai.mit.edu`). A very comprehensive interpretation in German is printed in section 1.7 of Kai Petzke's book "Unix fuer jedermann – Einfuehrung in Linux", Bernd-Michael Paschke Verlag, Berlin 1995, ISBN 3-929711-07-9.

**Pricing:** Well, there are three major philosophies around. Some companies offer a full or limited version for a very low fee or even for free. Others consider the Linux version as valuable as those for other OS's and offer it at a reasonable discount. Third, the price is equal to that of, say, the Solaris or the HP/UX version. Finding a reasonable price for your product may be somewhat more difficult than for other Unixes because there are many Linux users expecting to get everything for free ;-). Others (seriously interested customers, i.e. business people and decision makers) know that nothing is for free. You'll have to decide for the target customer.

A word concerning **fast version shifts**. This is clearly a prejudice. From the view of a software vendor, this is clearly **not true**. Linux is no moving target. It *is* true that *Linus Torvalds* (`mailto:torvalds@cs.helsinki.fi`) sometimes releases two or more kernel patches per week (or even more) in the **hackers' corner** (odd minor kernel release numbers). However, if you found a kernel doing what it's designed to do (version 1.0.9 or 1.2.3 being good choices), there's no reason to upgrade. Leave everything as it is and limit your warranty to certain kernel releases. Selling complete systems helps here,

too, because you can ensure the respective kernel and its device drivers work in perfect harmony with the computer, its peripherals and your application.

You might consider offering a **statically linked Linux version** too (as it is very popular for SCO due to some nasty bugs in several SCO runtime libraries) but please tell your customer about the additional memory requirement. However, it is important to mention that a dynamically linked application automatically satisfies all the requirements of any LGPL libraries that it uses, but a statically linked application does not. A statically linked application must be available in some relinkable form to satisfy the LGPL.

If you intend to offer a shrink-wrapped systems (i.e. a complete hardware/software installation) please **avoid IDE harddisks**. Those disks are a perfect **performance bottleneck** for a real-world multitasking OS.

Two killer applications are needed under Linux: a good **text processing system** and a good **spread sheet**. With Xess, a useful spread sheet is available, but a good text processor a la Word for Windows is still missing. Many users use the statically linked SCO version of Wordperfect V6 under the iBCS2 emulator (actually, Wordperfect Corp. has been selling more copies for use under Linux than under SCO) but at a bad memory penalty. A native Linux version is still missing. Why do Wordperfect, Star Division and the others hesitate ... ?

**Copy protection** is virtually impossible under Linux. Because the kernel and all the associated tools are available as source code, any experienced hacker can hook dongle or key card `ioctl()` calls. On a PC, you don't have a machine/CPU id available. You don't want to build a specialized kernel for a certain (and given) hardware configuration, not disclosing the corresponding source code; such a kernel would be a "derived work" according to the GPL, and doing so would clearly violate the GPL.

Last not least, don't forget that **university and college students** who are the majority of Linux users worldwide are the **decision makers of tomorrow**. If you offer them a reasonably priced product for their beloved operating system today (think of campus licenses), there's little question which application they will choose tomorrow.

# 7 Migrating to ELF format

On March 28, 1995, *H.J. Lu* (`mailto:hjl@nynexst.com`), the maintainer of the binary distributions of GCC, LIBC and the associated binary utilities (binutils), posted in `comp.os.linux.announce`:

```
Hi,

In the next few weeks, Linux will move to the ELF binary format. A
new set of the ELF-based development tools will be released for
testing during the week of March 27. All the new binaries generated
by the new development tools will be in ELF. We have compiled the
kernel, XFree86 3.1.1 and many packages in ELF. They are all working
fine. The next module utilities will also support ELF.

In the meantime, a new and last a.out DLL shared C library 4.7.x will
also be provided for bug fixing. All the old a.out binaries should
```

```
continue running fine. But all the new features will only be in the
Linux C library 5.x.x which will be in ELF only.

To help smoothly transfer to ELF, I hope the commercial software
vendors please get in touch with me. I will provide all the necessary
supports to migrate to ELF, which should be very easy. I'd like
to see the ELF versions of Motif, Netscape, Mac emulator, ...
to just name a few. I have some documentations and examples which
are useful for using ELF.

Thanks.

H.J
```

# 8 Linux vs. other free Unix flavors

Why port to Linux and not to one of the free BSD versions like 386BSD and its derivatives FreeBSD and NetBSD (short: *BSD)? Well, that depends on your application. If it was originally written for a SystemV-based system as AIX, HP/UX or Solaris 2, porting to Linux should be fairly easy. *BSD lacks certain SystemV features (such as the `termio` interface), and you'll have to carefully check the amount of work necessary. On the other hand, FreeBSD and NetBSD are maintained by a closed developers' team (as opposed to the open and sometimes chaotic and anarchic Linux developers' community), and e.g. for FreeBSD there is only one so-called distribution available per *FTP* (`ftp://freebsd.cdrom.com/`). You might want to mail *info@FreeBSD.org* (`mailto:info@FreeBSD.org`) or look on *http://www.cdrom.com/titles/freebsd.html* (`http://www.cdrom.com/titles/freebsd.html`).

By the way, the *FAQ for comp.unix.bsd.netbsd.announce* (`ftp://ftp.uni-paderborn.de/pub/doc/FAQ/comp.unix.bsd.netbsd.announce/`) concerning the *BSD flavors says (short excerpt):

```
5.  Where BSD and POSIX differ, 386BSD conforms by default to
BSD; Linux to POSIX.  Furthermore, while both run mostly GNU
utilities, Linux tends toward the SysV flavor (e.g. init)
where 386BSD sticks with the BSD style.  However, sources for
different flavors of utilities are available for both, and
both support compiler options which allow more BSD or more
POSIX semantics.
```

And later it says:

```
1) the 386BSD family started with BSD, and Linux started with
POSIX.  NetBSD/FreeBSD/386BSD have been adding POSIX and System
```

```
V compatibility, and Linux has been adding Berkeley and System
V compatibility.  So there's a good deal of overlap.  But ...BSD
is still a better choice if you want to program in a Berkeley
environment and Linux if you want a POSIX environment.
```

# 9 Product Groups

This list is divided into several product groups to make finding a specific product more easy. I'd really like to present a better index here but the current linuxdoc-sgml version doesn't offer support for that (especially not for the HTML output). I don't intend (and don't have the time) to develop some tools to implement that ... sorry.

Once this section grows too big (yielding an overall document size of more than, say, 100 pages), I will strip some less important items from the template and the existing entries.

## 9.1 Databases

Database products are well appreciated, even under Linux ;-)

### 9.1.1 AccountFlex

**Description:**

AccountFlex is a powerfull full featured accounting system that includes modules for Order Entry, Inventory, Purchasing, A/R, A/P, G/L, Payroll, and Jobcost. Accountflex uses Infoflex, an SQL based 4GL lanquage that is compatible with Informix (see information in this HOWTO. hm).

**Distribution Media:**

Diskette, Tape

**Licensing Policy:**

Source, runtime and unlimited runtimes are available. Demos and source are available for Linux, UNIX, DOS, or VMS.

**OS Provisions:**

Character Based Screen images.

**Documentation:**

Printed documentation.

**Product Support:**

Phone support charged by time usage. Onsite training and custom programming available.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

October 1994

**Countries with Distribution:**

USA

**Price Range:**

USD795 per module including source.

**Installed Base:**

11 (as of date of entry. hm)

**Vendor:**

```
Infoflex Inc.
840 Hinckley Road, Suite 107
Burlingame, CA 94010, USA
Phone: +1 (415) 697-6045
Fax: +1 (415) 697-7696
Contact: Gerard Menicucci
```

**Entered:**

May 10, 1995

### 9.1.2 CONZEPT 16

**Description:**

CONZEPT 16 is a complete software development system based on a relational database. It runs on different platforms and in heterogenous networks. A version with graphical user interface is available too. Client/Server technology optional. CONZEPT 16 is a high performance system, for which there are hardly limitations.

**Distribution Media:**

Diskettes

**Licensing Policy:**

Copy-protected

**OS Provisions:**

Kernel version 1.1.26; RAM: at least 2 MByte, recommended: 8 MByte, harddisk: about 3-4 MByte

**Documentation:**

German, english, training documentation and reference (700 pages each), Online help

**Product Support:**

Available (prices on request)

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

OEM-KIT, Recovery (prices on request)

**Available Since:**

Sep 1, 1994

**Countries with Distribution:**

worldwide

**Price Range:**

upon request

**Installed Base:**

N/A

**Vendor:**

```
vectorsoft Gesellschaft fuer Datentechnik mbH
Seligenstaedter Grund 2
D-63150 Heusenstamm, Germany
Phone:  +49 6104/6477
Fax:    +49 6104/65250
Mailbox: +49 6104/5022
```

**Entered:**

April 6, 1995

### 9.1.3 D-ISAM

**Description:**

Multikey B+ tree Isam File Handler. Follows the C-ISAM (Informix) file structure and function calls. Sold with Source.

**Distribution Media:**

5.25" and 3.5" Floppy disk

**Licensing Policy:**

Free distribution of the first 100 D-ISAM'd executables. Royalties apply after that.

**OS Provisions:**

Independent

**Documentation:**

Documentation in english. Unix Style manual.

**Product Support:**

email, bbs, fax, telephone. First 90 days free. US$450/year for ongoing.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

Transaction Processing functions: US$295.00

**Available Since:**

June 1994

**Countries with Distribution:**

UK, Germany, USA, Canada (manufacturer)

**Price Range:**

Single Programmer License with Source: US$595, Transaction Processing Add-on: US$295, Additional Programmers: US$100, Runtime Licenses per 100: US$695 (after the first 100), Unlimited Runtime: US$6950. A free D-ISAM for Linux library is available for development, but not for commercial use, via *ftp* (`ftp://ftp.wimsey.com/pub/linux/d-isam`)

**Installed Base:**

**Vendor:**

```
Byte Designs Ltd
20568 - 32 Avenue
Langley, BC V3A 4P5, Canada
Phone:  +1 (604) 534-0722
Fax:    +1 (604) 534-2601
Contact: Heinz Wittenbecher
E-mail: sales@byted.com
```

**Entered:**

Sep 08, 1994

### 9.1.4 Empress RDBMS

**Description:**

The port to Linux provides customers a choice of two levels of product: A) full function RDBMS B) single user Personal EMPRESS for Linux. A) EMPRESS RDBMS is a powerful application development tool which provides heterogeneous distributed processing capabilities. Its features include data manipulation options, integrity and recovery features, portability, and unlimited storage capacity. B)

Personal EMPRESS for Linux is a low-cost, single-user version designed especially for the rapidly growing Linux users community. It includes Version 6.6 of the EMPRESS RDBMS and 4GL application generator; SQL, Dynamic SQL and host language C interface; and the EMPRESS GUI Builder for Motif. This product is available via catalog through the ACC Bookstore.

**Distribution Media:**

CD-ROM

**Licensing Policy:**

no shareware version available (whatever this means. hm)

**OS Provisions:**

Linux kernel versions 1.0.8, 1.1.72 and 1.2.1

**Documentation:**

A) printed manuals. B) CD-ROM.

**Product Support:**

Technical support includes software updates, telephone support, internet access to Empress Technical notes, and a quarterly subscription to the users' newsletter Empressions. A) Full technical support is provided with the full-function, multi-user version (EMPRESS RDBMS). B) Technical support is available at an additional cost of USD1000 annually (Personal EMPRESS for Linux).

**Linux Support:**

A) none. B) if purchased through the ACC Bookstore, can be bundled with Red Hat Linux support.

**Extra Features and Add-Ons:**

EMPRESS RDBMS options include the EMPRESS ODBC Interface for allowing PC applications to access EMPRESS databases. Other features and functions include shared library and memory, and math library functions.

**Available Since:**

May 1, 1995

**Countries with Distribution:**

Empress products are available worldwide through our network of sales offices and distribution partners, as well as through the ACC Bookstore. For specific information please contact Empress International Operations: tel +1 (905) 513-8888, fax +1 (905) 513-1668.

**Price Range:**

A) Please contact vendor for pricing of EMPRESS RDBMS. B) Personal EMPRESS for Linux is available at a cost of USD80 in U.S. and Canada, and USD120 elsewhere. This includes tax and shipping.

**Installed Base:**

A) 10 copies. B) 250 copies.

**Vendor:**

```
A)
Empress Software Inc.
6401 Golden Triangle Drive
Greenbelt, MD 20770, USA
Phone:  +1 (301) 220-1919
Fax:    +1 (301) 220-1997
E-mail: sales@empress.com
Contact: Jim Sweeney

B)
ACC Bookstore
Phone:  +1 (800) 546-7274
E-mail: bob@redhat.com
Contact: Bob Young
```

**Entered:**

### 9.1.5 ESQLFlex

**Description:**

ESQLFlex is a low cost clone of the Informix-ESQL/C and Informix standard Engine products. ESQLFlex will allow developers to completely replace Informix-ESQL and Informix standard engine without having to modify their existing application. ESQLFlex enables developers to build, modify, and/or query databases using standard SQL calls from within "C" programs.

**Distribution Media:**

Diskette, Tape

**Licensing Policy:**

Source, runtime and unlimited runtimes are available. Demos and source are available for Linux, UNIX, DOS, or VMS.

**OS Provisions:**

Character Based Screen images.

**Documentation:**

Printed documentation.

**Product Support:**

Phone support charged by time usage. Onsite training and custom programming available.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

October 1994

**Countries with Distribution:**

USA, Spain, France, Germany

**Price Range:**

USD495

**Installed Base:**

35 (as of date of entry. hm)

**Vendor:**

```
Infoflex Inc.
840 Hinckley Road, Suite 107
Burlingame, CA 94010, USA
Phone: +1 (415) 697-6045
Fax: +1 (415) 697-7696
Contact: Gerard Menicucci
```

**Entered:**

May 10, 1995

### 9.1.6 InfoFlex

**Description:**

InfoFlex is a complete 4GL that streamlines the design process with a consistent WYSIWYG approach to developing menus, screens and reports. Infoflex is compatable with the Informix database and is similar in syntax. Demos, source, and unlimited licenses are available for UNIX, DOS, or VMS.

**Distribution Media:**

Diskette, Tape

**Licensing Policy:**

Source, runtime and unlimited runtimes are available. Demos and source are available for Linux, UNIX, DOS, or VMS.

**OS Provisions:**

Character Based Screen images.

**Documentation:**

Printed documentation

**Product Support:**

Phone support charged by time usage. Onsite training and custom programming available.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

October 1994

**Countries with Distribution:**

USA, Spain, France, Germany

**Price Range:**

USD995

**Installed Base:**

18 (as of date of entry. hm)

**Vendor:**

```
Infoflex Inc.
840 Hinckley Road, Suite 107
Burlingame, CA 94010, USA
Phone: +1 (415) 697-6045
Fax: +1 (415) 697-7696
Contact: Gerard Menicucci
```

**Entered:**

May 10, 1995

### 9.1.7 Just Logic/SQL Database Manager

**Description:**

The Just Logic/SQL Database Manager is a relational database system made to be used from C and C++ applications. It includes a complete set of libraries, utilities and a database engine. It comes with three programming interfaces: a C API interface, a C++ Class definitions and a C Precompiler. The client-server version permits Windows and Unix applications to access a remote server on Unix across TCP/IP. WWW: *http://www.pht.com/justlogic/* (`http://www.pht.com/justlogic/`)

**Distribution Media:**

Diskettes.

**Licensing Policy:**

Unlimited runtime licence of applications.

**OS Provisions:**

SLS 1.0, 400K RAM, plus 100K per user, and 1.2 Meg Hard Disk, plus 1 Meg for client-server.

**Documentation:**

User manual (175 pages)

**Product Support:**

phone, email, fax

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

Fully compatibles versions on SCO, BSDI, UnixWare, FreeBSD, DOS, Windows and OS/2.

**Available Since:**

August 94

**Countries with Distribution:**

Sold to all countries. Distributors in US and Germany.

**Price Range:**

The Linux release is priced at USD149 (USD219 with client-server).

**Installed Base:**

250 (Linux release)

**Vendor:**

```
Just Logic Technologies Inc.
P.O. Box 63050
40 Commerce St.
Nun's Island, Quebec H3E 1V6, Canada
Phone:  +1 (800) 267-6887 (toll free USA and Canada)
        +1 (514) 761-6887
Fax:    +1 (514) 642-6480 (has voice-fax autodetection)
E-mail: 71563.3370@CompuServe.COM
```

**Entered:**

Sep 08, 1994 (update: May 10.1995)

### 9.1.8 POET 2.1

**Description:**

POET 2.1 ODBMS for C++. Database functionality for C++ objects. Full support of encapsulation, inheritance, polymorphism and objectidentity. Two versions available : Personal Edition (Single/User 1 Developer) Professional Edition (Client/Server up to 4 Developer)

**Distribution Media:**

Diskettes

**Licensing Policy:**

SDK license from US$ 99. Runtime Licenses for commercial Products and for Public Domain or Share Products available.

**OS Provisions:**

kernel version > 1.0; SDK needs 4 MBytes on harddisk

**Documentation:**

handbook and tutorial (450+ pages)

**Product Support:**

hotline support, training please contact vendor

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

March 1994

**Countries with Distribution:**

many; please contact vendor.

**Price Range:**

Personal Edition US$ 99 / DM 170. Professional Edition US$ 1990 / DM 3.990 (includes 1 year hotline support)

**Installed Base:**

234 copies as of July 1994

**Vendor:**

POET Software GmbH
Fossredder 12
D-22359 Hamburg, Germany
Phone: +49 (0)40/609 90 18
Fax: +49 (0)40/603 98 51
E-Mail: info@poet.de
Contact: Detlef Meyer

**Entered:**

Sep 19, 1994

### 9.1.9 /rdb

**Description:**

/rdb is a RDBMS consisting of more than 125 shell level commands which read tables from the standard input and write tables to the standard output. Applications are typically written in shell scripts, mixing /rdb commands with ordinary system commands. A runtime library is also included.

**Distribution Media:**

3.5" diskettes

**Licensing Policy:**

/rdb is licensed by the CPU. Time stamped licenses are available to allow for hardware upgrades. An example of a full-text search using /rdb can be found at the *Melody Shop* (`http://www.branch.com/ rsw`).

**OS Provisions:**

kernel version 0.99.12 or later; consumes about 3MB storage.

**Documentation:**

230 page manual, both printed and on line. Some on-line help. Informational and error message tables provided for translation.

**Product Support:**

free email support; maintenance costs 10% of license fee/year.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

October 1993

**Countries with Distribution:**

US, Canada, South America, Australia, Germany, France, Ireland, Great Britain

**Price Range:**

USD149 qty 1 / CPU.

**Installed Base:**

101+

**Vendor:**

```
Revolutionary Software
131 Rathburn Way
Santa Cruz, CA 95062-1035
Phone:  +1 (408) 429 6229
E-mail: rdb@rsw.com
Contact: Evan Schaffer
```

**Entered:**

April 7, 1995

### 9.1.10 Veritas

**Description:**

Veritas is a system for German drinks wholesalers ("Getränkegrosshändler"). It's based on Onyx which is my 4gl and database project, which of course stays under the *GNU Public License 2.0* (`ftp://ftp.ix.de/pub/Linux/COPYING-2.0`). Ftp to *wowbagger.pc-labor.uni-bremen.de* (`ftp://wowbagger.pc-labor.uni-bremen.de/pub/unix/databases`) if you like to take a look at Onyx.

The first version of Veritas was developed for PCOS Olivetti in 1992, later Xenix versions followed. The recent 3rd release features twelve years of experience with this kind of market, so you can expect to have nearly anything a drinks wholesaler needs, e.g. Pfand, Sektsteuer, Brauereiabrechung, Bruchvergütung, etc.

Several servers can be linked via SLIP or UUCP and replicate transactions to share data. Clients are connected via ethernet to a local server and can run MS Windows or better Linux.

**Distribution Media:**

Directly installed on the customer's hardware. Plus a Tape containing (I hope) all of the GNU'ish sources including Onyx and a bunch of different databases.

**Licensing Policy:**

Veritas is licensed according to a *German translation of the GNU Public License 2.0* (`http://www.suse.de/gpl-ger.html`), restricted in a way that any changes made must be mailed to the author, and that any customer must know that I'm the author and give support.

Although the licence is very much like the GPL, I really recommend to purchase a copy if you prefer to get support.

**OS Provisions:**

Linux 1.0.9 (MCC), XFree86 2.1. Servers: 8-16 MB RAM, 200-500 MB harddisk, tape, modem. Clients: 8 MB RAM, 40 MB harddisk.

**Documentation:**

About 41 pages printed for Veritas in German, and about 43 pages online documentation for Onyx in English.

**Product Support:**

Retail price includes one week of training, and one year first class support over modem lines and D2 phone directly from the author. If you are interested in Onyx support, contact the author directly.

**Linux Support:**

Support for the installed sites is included in the installation price for one year.

**Extra Features and Add-Ons:**

N/A

**Available Since:**

The 3rd version of veritas is now in BETA in Bremerhaven.

**Countries with Distribution:**

Only distributed in Germany because of the user interface language and a lot of German tax related features.

If sold outside the northern part of Germany we need a VAR able to handle Linux, and sell and install the right hardware for a share.

**Price Range:**

Between 10,000 and 20,000 DM without hardware which depends on the number of servers and additional tayloring.

**Installed Base:**

**Vendor:**

Michael Koehne
Loss Datensysteme
Bremerstr. 117
D-28816 Brinkum, Germany
Phone: +49 (0)421/87 55 00
V32bis: +49 (0)421/87 05 32
Fax: +49 (0)421/87 55 51
E-Mail: kraehe@nordwest.de (company)
kraehe@bakunin.north.de (private)

**Entered:**

Sep 08, 1994

### 9.1.11 Yard SQL

**Description:**

The YARD company offers 5 SQL products as follows:

- YARD-SQL – Relational SQL database server with compliance to X/Open XPG4 and ANSI SQL 92
- YARD-ESQLC – Embedded SQL for C.
- YARD-ODBC – ODBC interface for MS Windows clients
- YARD-NET – Remote access to YARD databases via TCP/IP.
- YARD-X – Motif client for database access (No development tool)

**Distribution Media:**

Floppy disk and streamer tapes

**Licensing Policy:**

License number and activation key for each product and installation with user dependent licenses for the SQL-Server.

**OS Provisions:**

LINUX 1.0.9 and upwards compatible versions; Motif 1.2.3; RAM Usage: 1 MByte (minimum) for Shared Memory, 500 KByte per User; Disk Usage: YARD-SQL 7 MByte, YARD-ESQLC 1 MByte, YARD-ODBC 1,5 MByte, YARD-NET 1 MByte, YARD-X 5 MByte

**Documentation:**

Printed 600 pages reference and users guide in German. English documentation will be available early 1995.

**Product Support:**

Release Update, Price 25% Version Update, Price 50% Technical support according to a special maintenance agreement (20% of total pricing). Training on request

**Linux Support:**

none

**Extra Features and Add-Ons:**

All products also available for other widely distributed Unix systems (e.g. SCO UNIX, SPARC Solaris).

**Available Since:**

January 1994

**Countries with Distribution:**

Current distribution in Germany through Distributor Ordix Software (`info@ordix.de`), Paderborn, Germany. Europeean/international distribution scheduled for early 1995.

**Price Range:**

YARD-SQL 590,00 (1 user) - 8.490,00 DEM (unlimited user) YARD-ESQLC 390,00 DEM YARD-ODBC 490,00 DEM YARD-NET 490,00 DEM YARD-X 990,00 DEM

**Installed Base:**

**Vendor:**

```
YARD Software GmbH
Hansestr. 99
D-51149 Koeln, Germany
Phone:  +49 (0)22 03/45 71 30
Fax:    +49 (0)22 03/45 71 31
E-Mail: yard@yard.de
Contact: Thomas Schonhoven (thomass@yard.de)
```

**Entered:**

Sep 24, 1994

## 9.2 Data Visualisation, CAD

CAD tools, renderers, OCR software and such stuff.

### 9.2.1 Ghostscript 3.x

**Description:**

Aladdin Ghostscript 3.n is a full PostScript Level 2 language interpreter. It can display PostScript files on the screen with X Windows, convert them to various raster formats (TIFF/F, GIF, PCX, PPM), and print them on many non-PostScript printers, such as the H-P inkjet and laser printers.

**Distribution Media:**

PC diskettes only, normally compressed with *tar + gzip*. A shareware version is available via *ftp* (`ftp://ftp.cs.wisc.edu/pub/ghost/aladdin`) for non-commercial use only.

**Licensing Policy:**

Redistribution in non-commercial contexts (i.e., if no money changes hands in connection with the distribution) is allowed without license. Any commercial distribution of any kind requires a commercial license, with a negotiated license fee. If you are a commercial organization and intend to distribute Aladdin Ghostscript in a manner for which you believe you don't need a license, please check with us: "in connection with" is only a shorthand for the terms of the actual non-commercial license.

**OS Provisions:**

Will run on any Linux version. Will display on any X11R4 or R5 compatible window system.

**Documentation:**

English, probably about 30 pages. On-line only (no printed doc). No on-line help.

**Product Support:**

No training available. Maintenance (bug fixing) and updates are available with commercial licenses and unavailable otherwise.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

We offer commercial-quality sets of the 35 standard PostScript fonts at a price of $10 to end users and a much lower price to commercial licensees.

**Available Since:**

August 1994.

**Countries with Distribution:**

We distribute worldwide. Our only current overseas distributor is in Germany.

**Price Range:**

We will ship diskettes to end-users for a charge of $58 to cover service and materials costs. There is an additional charge for $50 for a custom configuration and of $20 (domestic) or $30 (international) for next-day mail. Commercial licensing prices are negotiated, and vary considerably.

**Installed Base:**

(L. Peter Deutsch estimates the number of users of the commercial version under Linux at about 12,000, as of Sep 23, 1994.)

**Vendor:**

```
Aladdin Enterprises
203 Santa Margarita Ave.
Menlo Park, CA 94025, USA
Phone:  +1 (415) 322-0103
Fax:    +1 (415) 322-1734
E-mail: ghost@aladdin.com
```

**Entered:**

Aug 26, 1994

### 9.2.2 IDL

**Description:**

IDL is the pioneering software for data analysis, visualization, and application development. IDL's features include flexible I/O, 2D plotting, 3D graphics, volume rendering, image processing, mathematics, statistics, a cross-platform GUI toolkit, plus a high-level, array-oriented programming language. Use IDL for visual data analysis, rapid prototyping, or application development. IDL programs are portable across Linux, Windows 3.1, Windows 95, Windows NT, Mac, PowerMac, UNIX and VMS.

**Distribution Media:**

CD-ROM and *anonymous FTP* (`ftp://ftp.rsinc.com`).

**Licensing Policy:**

Free demo CD-ROM available or download via ftp.

**OS Provisions:**

IDL supports linux kernel version 1.2.8 dynamically linked using Slackware 2.3. Statically linked version also included for use with Linux versions less than 1.2.8. 16 meg RAM minimum recommended. 50 meg disk space.

**Documentation:**

1600+ pages of documentation on paper and hypertext on-line help.

**Product Support:**

Customer support service, maintenance/update service, training and consulting are available. In addition, a usenet *newsgroup* (`news:comp.lang.idl-pvwave`) is devoted to IDL.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

HDF support, animation, volume slicer, high resolution mapping built-in.

**Available Since:**

September 1995

**Countries with Distribution:**

(many; ask vendor).

**Price Range:**

contact vendor/distributor

**Installed Base:**

N/A

**Vendor:**

```
Research Systems, Inc.
2995 Wilderness Place
Boulder, Colorado, USA
Phone:  +1 (303) 786-9900
Fax:    +1 (303) 786-9909
Email:  info@rsinc.com

Distributor for Central Europe:
```

CREASO GmbH
Phone: +49 81 05/250 55
Email: 100137.2421@compuserve.com

**Entered:**

September 14, 1995

### 9.2.3 MRJ Symbolic OCR

**Description:**

MRJ SOCR (Symbolic OCR) (TM) is an OCR program for Japanese text. SOCR reads TIFF files and recognizes Japanese text in scanned images. Output formats include PC, Mac, and Unix formats with Unicode, Shift-JIS, JIS, and EUC encodings. Also available for Sun OS.

**Distribution Media:**

3.5" Floppy Disks.

**Licensing Policy:**

One SOCR license per workstation.

**OS Provisions:**

Operating System: Linux 1.x, Window System: Motif run time library required, System RAM: 16 MB, Hard Disk: 6 MB.

**Documentation:**

Installation Guide and User Manual. All documentation is in English.

**Product Support:**

Technical support available via telephone, e-mail, and FAX.

**Linux Support:**

The Linux version of SOCR is fully supported. See Product Support.

**Extra Features and Add-Ons:**

Contact MRJ for information on OEM and software developer versions of SOCR.

**Available Since:**

August 1994

**Countries with Distribution:**

Distribution from U.S. Available for export.

**Price Range:**

Special Introductory Offer – $895 through 30 September 1994.

**Installed Base:**

**Vendor:**

MRJ, Inc.
10455 White Granite Drive
Oakton, VA 22124, USA
Phone: +1 (703) 385-0700
Fax: +1 (703) 385-4637
E-Mail: socr@mrj.com

**Entered:**

Sep 08,1994

### 9.2.4 SISCAD-P 1.3-3

**Description:**

SISCAD-P is a 2D-CAD system that gives engineers a production implementation of new design technologies - parametrics, variational geometry, inference sketching, a fully customizable user interface, constraint-based modeling and feature-based modeling. Today there is only a German version of SISCAD-P available. Unfortunately we can not yet provide a SISCAD-P version in any foreign language but we are already working on an English version. The release date for this version is not certain yet.

**Distribution Media:**

available via *ftp* (`sunsite.unc.edu://pub/Linux/X11/xapps/graphics/draw/siscadp1.3-3.tar.gz`). On diskette and CD-ROM available from several Linux distributors (i.e. CDs with sunsite mirrors. hm)

**Licensing Policy:**

SISCAD-P is running on several Unix workstations and is available as shareware for Linux. The shareware version is a FULL featured package which is restricted to at maximum 10 parts with each 2000 objects. It is provided at no charge to the user for evaluation. With this concept, the user can test all features of SISCAD-P and has a chance to try before buying it. After a reasonable trial period, the user must make a registration payment and will receive a license code which will disable all limitations.

**OS Provisions:**

X Windows running under Linux. 8 MByte of memory minimum, 16 MByte or more recommended. Slackware Linux 0.19pl14 or newer. Fvwm or Mwm window manager recommended.

**Documentation:**

Online help and several documents in PostScript, DVI and ASCII format.

**Product Support:**

Product support for registered users via e-mail, fax and BBS

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

February 1994

**Countries with Distribution:**

Germany (worldwide via ftp).

**Price Range:**

DM 399 commercial users; DM 49 students version.

**Installed Base:**

20 registered users as per Sep 22, 1994.

**Vendor:**

```
Staedtler Mars GmbH & Co
Geschaeftsbereich Informationssysteme - SIS
Moosaeckerstrasse 3
D-90427 Nuernberg, Germany
Phone: +49 (0)911/3080-691
Fax:   +49 (0)911/3080-692
BBS:   +49 (0)911/3080-609, login: info, password: gast
E-Mail: support@SIS.Staedtler.DE
Contact: Helmrich Streitmatter
```

**Entered:**

Sep 19, 1994

### 9.2.5 TecPlot 6.0

**Description:**

Tecplot is a plotting program for visualizing and analyzing engineering and scientific data. The standard version includes XY, 2D and 3D-surface plotting. An optional extension (called 3DV) adds the capability to visualize 3D volumetric data. With Tecplot you don't have to write a program, just input your data and start visualizing immediately. (for more information consult vendor. hm)

**Distribution Media:**

3.5-inch floppies, 150MB-QIC, 4mm DAT, 8mm tape, (CD-ROM available November 1994)

**Licensing Policy:**

Single-computer license (node-locked) Evaluation copies are available.

**OS Provisions:**

4 MByte is minimum RAM, required hard disk space is 20 MByte.

**Documentation:**

Printed Users Manual 512 pages, partial online help info. English.

**Product Support:**

Update and technical support included with license for first three months and available for extra charge after that. Training classes are available; price is negotiable.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

3DV is an optional package of volumetric features available for an additional $300 USD.

**Available Since:**

August 1993

**Countries with Distribution:**

(many, please consult vendor. For Germany, see below. hm)

**Price Range:**

USD 995 to USD 1395 per Node-locked License

**Installed Base:**

**Vendor:**

```
Amtec Engineering, Inc
PO Box 3633
Bellevue, WA 98009-3633, USA
Phone:  +1 (206) 827-3304 (800-676-7568 in US/Canada)
Fax:    +1 (206) 827-3989
E-Mail: tecplot@amtec.com
Contact: Tom Chan

For Germany:
GENIAS Software GmbH
Erzgebirgstr. 2
D-93073 Neutraubling, Germany
Phone: +49 (0)94 01/92 00-11
Fax: +49 (0)94 01/92 00-92
Contact: Johannes Grawe
E-mail: jo@genias.de
```

**Entered:**

Sep 24, 1994 (updated May 15, 1995)

## 9.3 Development tools

Compilers, development environments and so on.

### 9.3.1 Basmark QuickBASIC

**Description:**

The Basmark QuickBASIC Compiler is a multi-user IBM-PC BASICA, MBASIC and Microsoft QuickBASIC Compiler designed to provide performance and consistency across a variety of machines (e.g. i386 and i486, Pentium, SPARC, RS/6000, HP PA-Risc) under Unix, AIX, SunOS, Linux, HP-UX, Xenix.

**Distribution Media:**

3.5" diskette

**Licensing Policy:**

Per machine, no run-time restrictions.

**OS Provisions:**

GNU GAS and LD must be installed.

**Documentation:**

400+ page manual, release and installation notes.

**Product Support:**

Updates available for $39.00 less shipping. Maintenance contracts available.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

C-ISAM (Informix Inc.) Interface in C source code form. Cost $35.00.

**Available Since:**

December 1993

**Countries with Distribution:**

to purchase from manufacturer directly.

**Price Range:**

$195.00 (less shipping)

**Installed Base:**

**Vendor:**

Basmark Corporation
P.O. Box 40450
Cleveland, OH 44140, USA
Phone: +1 (216) 871-8855
Fax: +1 (216) 871-9011
E-Mail: jgo@ios.com (for orders)
Contact: Joseph O'Toole (for orders)

**Entered:**

Sep 23, 1994

### 9.3.2 CODINE

**Description:**

CODINE Job Management System – A Job-Queueing System that allows optimal utilization of a heterogeneous workstation cluster. The system features static and dynamic loadbalancing, checkpointing, support for parallel programs etc. It is available for SUN, HP, IBM, SGI, CRAY, CONVEC, DEC and LINUX

**Distribution Media:**

QIC tape, DAT tape, ftp

**Licensing Policy:**

free demo available at *ftp://129.69.18.15/pub/info/producer/genias/codine* (`ftp://129.69.18.15/pub/info/producer/genias/codine`)

**OS Provisions:**

The GUI requires Motif, however the GUI is not necessary to use the system. A command line interface is available. RAM: 1,5 MB for the master daemon; HD: some Megs.

**Documentation:**

Manual in English available (also via ftp in PS format)

**Product Support:**

GENIAS offers training and support for the CODINE system. Please ask for prices.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

1994

**Countries with Distribution:**

Switzerland, Sweden, Taiwan, USA, Italy

**Price Range:**

N/A

**Installed Base:**

some 20. LINUX PC's are mostly only add-ons to a larger cluster.

**Vendor:**

GENIAS Software GmbH
Erzgebirgstr. 2
D-93073 Neutraubling, Germany
Tel.: 09401/9200-11, Fax: 09401/9200-92
Phone: +49 94 01/92 00-11
Fax: +49 94 01/92 00-92
Contact: Johannes Grawe
E-mail: jo@genias.de

**Entered:**

May 10, 1995

### 9.3.3 Distributed Interface Object Server System (DIOSS)

**Description:**

DIOSS is a high-level C Language API to an RPC based daemon that provides Motif 2.0 interfaces. It includes an Interface Builder Tool (DiossLive) and a Distributed Database Daemon. All daemons are freely distributed.

**Distribution Media:**

CD/ROM and Internet Download (with license password).

**Licensing Policy:**

Free demo at *www.in-tech.com* (`http://www.in-tech.com`) or via *anonymous ftp* (`ftp://in-tech.in-tech.com`). Linux Personal Edition - can only be used for freeware or shareware. Linux Corporate Edition - can be used for full commercial development.

**OS Provisions:**

Linux 1.2.7 and ¿. Requires Portmapper. SunOS and Solaris versions available.

**Documentation:**

English language documentation English language on-line (Home Page) code and configuration examples.

**Product Support:**

1 year free maintenance upgrades (with license password). Free Home Page FAQ support free. Email support. All DIOSS servers are freely distributable.

**Linux Support:**

we will offer a Home Page Linux (and SunOS and Solaris) system configuration and setup FAQ - in development) wee supply a link to the Linux Portmapper source

**Extra Features and Add-Ons:**

DiossWebDB - a set of CGI programs that allow HTML browsers to make SQL queries against our database daemon: USD49 Linux, USD500 SunOS and Solaris. The Database daemon is free.

**Available Since:**

DIOSS has been available since August 1, 1995.
DiossWebDB is available Sept. 1, 1995.

**Countries with Distribution:**

We target USA, Europe, and Asia.

**Price Range:**

DIOSS: Linux Personal Edition (USD249 - Introductory: USD99 till November). Linux Corporate Edition (USD995). SunOS and Solaris (USD2495). DiossWebDB: Linux (USD49). SunOS or Solaris (USD495).

**Installed Base:**

N/A

**Vendor:**

```
DIOSS Corp.
5205 Leesburg pike - Suite 1200
(yo forgot to send me town, state, and zip, folks...)
Phone:  +1 (703) 671-0706
Fax:    +1(703) 671-5734
Email:  toneil@in-tech.com
Contact person: Tom ONeil
```

**Entered:**

September 14, 1995

### 9.3.4 Dynace

**Description:**

Dynace (pronounced like "dynasty" without the "t") is a preprocessor, include files and a library which extends the C language with advanced object oriented capabilities, automatic garbage collection and

multiple threads. Dynace is designed to solve many of the problems associated with C++ while being easier to learn and containing more flexable object oriented facilities. Dynace is able to add facilities previously only available in languages such as Smalltalk and CLOS without all the overhead normally associated with those environments.

**Distribution Media:**

3.5" diskettes

**Licensing Policy:**

One license per programmer; Applications are royalty-free Info and DEMO on *http://www.everest.com/algorithms* (`http://www.everest.com/algorithms`) or *ftp://ftp.everest.com/pub/dynace* (`ftp://ftp.everest.com/pub/dynace`)

**OS Provisions:**

N/A

**Documentation:**

310 pages printed

**Product Support:**

N/A

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

Complete Windows development system

**Available Since:**

December 1993

**Countries with Distribution:**

N/A

**Price Range:**

Developer Edition (manual, libs & executables, some source): USD249; Source Edition (includes full source): USD599

**Installed Base:**

**Vendor:**

```
Algorithms Corporation
3020 Liberty Hills Drive
Franklin, TN 37064, USA
Phone: +1 (800) 566-8991 or +1 (615) 791-1636
Fax:   +1 (516)791-7736
Contact: Blake McBride
E-mail: blake@edge.net
```

**Entered:**

June 9, 1995

### 9.3.5 Finesse

**Description:**

OSF/Motif GUI for shell scripts.

**Distribution Media:**

Free full featured developer version available *via FTP* (`ftp://ftp.science-computing.uni-tuebingen.de/pub/finesse-light/`) or floppy.

**Licensing Policy:**

Finesse is a fully commercial product for other Unixes where nodelocked licenses are possible. The Linux version is freely available *via FTP* (`ftp://ftp.science-computing.uni-tuebingen.de/pub/finesse-light/`). On Floppy medium: DEM 90.

**OS Provisions:**

Kernel 1.2, Motif-1.2.4, XFree86-2.1.1 libs, 16 MB RAM min

**Documentation:**

Postscript File.

**Product Support:**

No support for free version.

**Linux Support:**

No support for free version.

**Extra Features and Add-Ons:**

Not appropriate

**Available Since:**

Linux Version since May 1995.

**Countries with Distribution:**

World.

**Price Range:**

Free Demo. Commercial version with support on request.

**Installed Base:**

N/A

**Vendor:**

science + computing GmbH
Hagellocher Weg 71
D-72070 Tuebingen, Germany
Phone: +49 (0) 7071/9457-0
Fax: +49 (0) 7071/9457-27
E-mail: info@science-computing.uni-tuebingen.de
WWW: http://www.science-computing.uni-tuebingen.de/
Contact: Olaf Flebbe

**Entered:**

August 15,1995

### 9.3.6 Flagship

**Description:**

CA-Clipper5, Fox, dBase & beyond for Unix. XBase 4GL applications development system & database. Superset of CA-Clipper. Can be used to port.

**Distribution Media:**

3 3.5" Diskettes, other media extra charge.

**Licensing Policy:**

No royalty or licensing for software you create and distribute. For more information available via *ftp* (`ftp://ftp.wgs.com/pub2/wgs/Filelist`)

**OS Provisions:**

Linux 0.99 and later, has been tested on many. Requires C compiler, libraries and linker. Make and other utilities useful. 4 MByte RAM & 5 MByte Hard disk needed to run. More is better.

**Documentation:**

1200 page printed manual extra charge, same manual online is shipped as part of the product.

**Product Support:**

Support via phone, email, fax (email preferred), unlimited for 30 days, chargable thereafter. Maintenance agreements including discounts on upgrades are available. All of this is country dependent.

**Linux Support:**

Country Dependent

**Extra Features and Add-Ons:**

FS2 Toolbox, FoxKit, and others. Country dependent.

**Available Since:**

July 1994

**Countries with Distribution:**

We sell to all countries, and have regional distributors in most major areas, and on all continents.

**Price Range:**

Country dependent. North America: Single user US$199, Unlimited User US$499 until Nov 15, 1994. US$499 Single & US$999 Unlimited after that.

**Installed Base:**

**Vendor:**

```
multisoft Datentechnik GmbH
PO Box 312
D-82027 Gruenwald, Germany
Phone:  +49 (0)89/6417904
Fax:    +49 (0)89/6412974
E-Mail: 100031.267@compuserve.com
Contact:  Dorte Balek

North America:
WorkGroup Solutions, Inc
PO Box 460190
Aurora, CO 80046-0190, USA
Phone:  +1 (303) 699-7470
Fax:    +1 (303) 699-2793
E-Mail: info@wgs.com
Contact: Virginia Lane
```

**Entered:**

Sep 19, 1994

### 9.3.7 ICC11

**Description:**

ICC11 is a full featured C Compiler for the HC11 microcontrollers: including floating point support, interspersed C and assembly listing, and much more. It's available in native Linux version, as well as DOS and OS2 versions.

**Distribution Media:**

It's available on 3.5" diskette. Latest upgrades are available via FTP, usually for free or for a minimal charge.

**Licensing Policy:**

There is an early version of the compiler available for free use in *ftp://ftp.netcom.com/pub/im/imagecft/icc11/free* (`ftp://ftp.netcom.com/pub/im/imagecft/icc11/free`)

**OS Provisions:**

There is no special hardware or software requirement to run ICC11.

**Documentation:**

The product comes with a 100 page manual.

**Product Support:**

Preferred technical support via e-mail. Send mail to *imagecft@netcom.com* (`mailto:imagecft@netcom.com`).

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

Feb 95. Version 2 with floating point support available now.

**Countries with Distribution:**

N/A

**Price Range:**

USD45 plus USD5 S&H for U.S.A. and Canada, USD10 S&H for elsewhere.

**Installed Base:**

We have over 400 customers worldwide.

**Vendor:**

```
ImageCraft
P.O. Box 64226
Sunnyvale, CA 94088-4226, USA
Phone/Fax: +1 (408) 749-0702
Contact: Richard Man or Christina Willrich
E-mail: imagecft@netcom.com
```

**Entered:**

April 10, 1995

### 9.3.8 INSURE++

**Description:**

INSURE++ runtime debugger for C and C++ programms. INSURE detects memory leaks, problems in memory mismanagements during runtime.

**Distribution Media:**

DAT tape, QIC tape

**Licensing Policy:**

free demo at *ftp://129.69.18.15/pub/info/producer/genias/insure* (`ftp://129.69.18.15/pub/info/producer/genias/insure`).

**OS Provisions:**

N/A

**Documentation:**

N/A

**Product Support:**

N/A

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

**Available Since:**

1994

**Countries with Distribution:**

USA, Sweden, Netherlands

**Price Range:**

DEM 895 (with 25% educational discount)

**Installed Base:**

few

**Vendor:**

```
GENIAS Software GmbH
Erzgebirgstr. 2
D-93073 Neutraubling, Germany
Tel.: 09401/9200-11, Fax: 09401/9200-92
Phone: +49 94 01/92 00-11
Fax: +49 94 01/92 00-92
Contact: Johannes Grawe
E-mail: jo@genias.de
```

**Entered:**

May 10, 1995

### 9.3.9 ISE Eiffel 3

**Description:**

ISE Eiffel 3 provides a powerful and user-friendly O-O programming environment designed for large, complex systems. It is an integrated GUI workbench consisting of a variety of Eiffel-based components: EiffelBench melting-ice workbench, EiffelBuild interface builder and application generator, EiffelVision graphics and GUI library, and EiffelBase basic libraries.

**Distribution Media:**

1/4 inch Tape, DAT.

**Licensing Policy:**

Each hardware platform type requires a different runtime. The standard delivery of the EiffelBench comes with the runtime for the given platform type; additional runtimes may be purchased for cross-development.

ISE charges run-time license fees, only for copyrighted commercial products built using ISE's technology. For further information contact vendor.

**OS Provisions:**

Motif required

**Documentation:**

Documentation including the Prentice Hall books "Eiffel: The Language, Reusable Software: The Base Object-Oriented Component Libraries" and "An Object-Oriented Environment: Principles & Practices".

**Product Support:**

The purchase prices include free technical support for three months. The price of technical support per year is 30% (payable in advance) of the standard software purchase and provides assistance with problems encountered in the use of the software. Support is provided by electronic mail, fax or telephone.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

A special license for students and individuals of ISE Eiffel on Linux includes the full graphical environment.

**Available Since:**

June 1994

**Countries with Distribution:**

(many individual distributors worldwide; too many to name them here. please consult vendor. hm)

**Price Range:**

US$295.00 plus shipping & handling. USA: $15.00 for UPS Ground, $20.00 for UPS 2nd Day Air; Canada: $35.00 for UPS 2nd Day Air; Other: $60.00 for UPS International Air

**Installed Base:**

**Vendor:**

Interactive Software Engineering, Inc.
270 Storke Road, Suite 7
Goleta, CA 93117, USA
Phone: +1 (805) 685-1006
Fax: +1 (805) 685-6869
E-mail: queries@eiffel.com

**Entered:**

Sep 09, 1994

### 9.3.10 Metacard

**Description:**

MetaCard is a hypermedia/Rapid Application Development environment for X11/Unix workstations that is compatible with Apple Corp.'s HyperCard. 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 (14 for release 1.3) and can be distributed with the MetaCard engine without licensing fees or royalties.

**Distribution Media:**

Anonymous FTP and 3.5" diskettes.

**Licensing Policy:**

MetaCard can be licensed to a single, named individual, but can be used on any machine or combination of machines by that user. Multiple user packages are also available.

The save-disabled distribution is available via anonymous FTP from *ftp.metacard.com* (`ftp://ftp.metacard.com/MetaCard`) and *ftp.uu.net* (`ftp://ftp.uu.net/vendor/MetaCard`).

**OS Provisions:**

The 1.4 release was built on Linux 0.99pl14. 8 MByte RAM minimum, 16MByte recommended. 800x600 minimum display resolution. Requires about 5 MByte disk space.

**Documentation:**

Complete on-line documentation is supplied. Printed documentation is an extra-cost option.

**Product Support:**

Free email technical support. Free upgrades during the 1.X series of releases.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

A library version of MetaCard that can be linked directly to C programs (Embedded MetaCard) is available at extra cost.

**Available Since:**

February 1994

**Countries with Distribution:**

Direct sales world wide.

**Price Range:**

$247.50. $495 for a license that works on Linux and all Unix platforms.

**Installed Base:**

**Vendor:**

```
MetaCard Corporation
4710 Shoup pl.
Boulder, CO 80303, USA
Phone:  +1 (303) 447-3936
Fax:    +1 (303) 499-9855
E-Mail: info@metacard.com
Contact: Scott Raney
```

**Entered:**

Sep 20, 1994

### 9.3.11 Mjolner BETA System

**Description:**

The Mjolner BETA System is a software development environment supporting object-oriented programming in the BETA programming language. BETA is uniquely expressive and orthogonal amongst object-oriented languages. BETA unifies just about every abstraction mechanism, including class, procedure, function, coroutine, process, and exception, into the ultimate abstraction mechanism: the pattern. In addition it has general block structure, strong typing, whole/part-objects, and concurrency. Compiler: Native code generation, garbage collection, separate compilation, C and assembler interface. System: Persistence, distribution, comprehensive libraries, platform- independent GUI application framework (Unix, Mac, Windows, NT), metaprogramming system, graphical system, hyperstructure editor.

Among the unique characteristics of the Mjolner BETA System are that the GUI-applications run on Motif, Windows NT and Macintosh without any change and with the native look and feel; it is easy to write distributed applications and it is easy to save and restore objects from a persistent store.

The Mjolner BETA System is being used successfully for teaching both first grade and second grade students at several universities.

**Distribution Media:**

3.5" Floppy Diskettes, FTP.

**Licensing Policy:**

The normal version requires a licence per CPU. Server licences are available at reduced cost. Educational licences do not permit the use of the system for commercial purposes, but permit free distribution of Personal Editions (see below) for students.

A Personal Edition containing compiler, the basic libraries, persistence, X frameworks is available. This version may not be used for commercial purposes and/or teaching.

**OS Provisions:**

Linux 1.0 or later, RAM: 4Mb (8 to 16 recommended), XFree86, OSF/Motif 1.1 or later (for MotifEnv programs only; not required to run compiler), Programs needed: (g)as, ld, make.

**Documentation:**

Full system includes 1000 pages of printed documentation. FTP customers have access to all documentation in PostScript format. The Personal Edition includes 200 pages of printed documentation, and remaining documentation in PostScript.

**Product Support:**

Upgrade: 30% of the prices above. Hot-line support: USD500 per month per CPU license. E-mail support available. Ask for details.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

| | |
|---|---|
| Persistent store | USD 95 |
| X frameworks, including Xtenv, AwEnv and MotifEnv | USD 195 |
| Bifrost, the interactive graphics system | USD 195 |
| Yggdrasil, the metaprogramming system | USD 145 |
| Sif, the hyper structure editor | USD 195 |

**Available Since:**

August 1994

**Countries with Distribution:**

The Mjolner BETA System for Linux must be purchased from manufacturer directly.

**Price Range:**

Basic system is USD195. Add-ons ranges from USD95 to USD195. Full system available for USD820. A Personal Edition (non-profit) containing compiler, the basic libraries, persistence, X frameworks is available for USD60.

**Installed Base:**

N/A

**Vendor:**

```
Mjolner Informatics Aps
Science Park Aarhus
Gustav Wieds Vej 10
DK-8000 Aarhus C, Denmark
Phone:  +45 86 20 20 00
Fax:    +4) 86 20 12 22
Contact: Peter Andersen (Peter.Andersen@mjolner.dk)
E-mail: info@mjolner.dk, usergroup-request@mjolner.dk, sales@mjolner.dk
```

**Entered:**

August 15, 1995

### 9.3.12 SEDIT, S/REXX

**Description:**

SEDIT is a powerful UNIX (tm) text editor patterned after IBM's XEDIT editor. It operates with a GUI under X windows or in character mode from a tty device. S/REXX is a full UNIX implementation of IBM's SAA procedural language except that the numeric digit specification is limited to 15 digits. S/REXX functions as an imbedded macro langauge for SEDIT as well as providing a powerful modern programming language alternative to shell scripting languages. SEDIT and S/REXX may be purchased in a bundle or individually. See *http://www.portal.com/ sedit* (`http://www.portal.com/ sedit`) or *http://www.sedit.com/sedit* (`http://www.sedit.com/sedit`) for more information including introductory pricing for Linux, etc. The ftp directory includes a .txt file flattened from the above web pages for users w/o WWW capability or *email us* (`sedit@shell.portal.com`).

**Distribution Media:**

The Linux version is available for ftp download or on diskettes.

**Licensing Policy:**

SEDIT and S/REXX are licensed products. See the above URLs for details. For demo purposes, a short term license key will be provided on request to anyone who obtains the product via ftp.

**OS Provisions:**

We believe these products will work with any recent stable Linux kernel but testing has been limited to two: circa 1.0.5 and 1.1.49. Motif is fully bound with SEDIT and SEDIT is distributed with XFree86 3.1 shared libraries for use if your system is not at that level.

**Documentation:**

Documentation is furnished in PostScript form, in extensive on-line help files, and in optional printed manuals.

**Product Support:**

Technical support is available for all licensed users. For maintenance, see the above URLs.

**Linux Support:**

n/a

**Extra Features and Add-Ons:**

A REXX interactive graphical debugger is available as an optional feature as are printed manuals, physical media, and on going maintenance. See the above URLs.

**Available Since:**

The beta Linux version has been available since about May 1, 1995. The poduct version is anticiapted about July 1.

**Countries with Distribution:**

SEDIT and S/REXX are available worldwide. The URLs should be consulted for current information.

**Price Range:**

Ranges from USD99 (introductory 2 user license without media or printed documentation) to USD440 (regular price for the 4 user version of SEDIT with S/REXX and all hardcopy manuals).

**Installed Base:**

N/A

**Vendor:**

```
Benaroya
31 Rue de Constantinople
F-75008 Paris, France
Phone: +33 1 47 22 22 13
Fax:   +33 1 47 22 06 17
Contact:  Robert Benaroya
E-mail: sedit@shell.portal.com
```

**Entered:**

June 9, 1995

### 9.3.13 tgdb

**Description:**

tgdb is a graphical user interface for gdb, the GNU debugger.

**Distribution Media:**

Anonymous ftp, available as *source* (`ftp://sunsite.unc.edu:/pub/Linux/devel/debuggers/tgdb-1.0.src.tgz`) package or *Linux binary* (`ftp://sunsite.unc.edu:/pub/Linux/devel/debuggers/tgdb-1.0.srcbin-linux.tgz`) package.

**Licensing Policy:**

Shareware

**OS Provisions:**

Any Un*x-like OS (including Linux); requires X11R5.

**Documentation:**

Comprehensive online/hypertext help (english); can be converted into various formats for printing.

**Product Support:**

Updated when required; hotline and email support available.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

August 1994

**Countries with Distribution:**

worldwide (ftp)

**Price Range:**

US$30 or DM50.00 per user; site licenses available.

**Installed Base:**

**Vendor:**

```
HighTec EDV-Systeme GmbH
Neue Bahnhofstr. 37
D-66386 St. Ingbert, Germany
Phone: +49 (0)6894/87 00 41
Fax:   +49 (0)6894/87 00 44
Email: tgdb@hightec.saarlink.de
Contact: Michael Schumacher
```

**Entered:**

Sep 09, 1994

### 9.3.14 TowerEiffel

**Description:**

TowerEiffel is a complete software engineering tool for creating scalable systems in the object oriented programming language Eiffel. TowerEiffel for Linux includes a high performance Eiffel 3 compiler, open development environment, programming tools including debugger, browser and automatic documentation generation, and a base set of reusable software components. Key features include fast executable code, global system optimization, user controllable garbage collection, clear and precise error messages, exception handling, genericity, automatic system builds, automatic documentation generation and built in test support. A unique capability of TowerEiffel is Eiffel, C, and C++ interoperability.

**Distribution Media:**

4 Diskettes or QIC150 Tape

**Licensing Policy:**

TowerEiffel is licensed on a per user, right-to-use basis. There are no run-time fees. Two types of licenses are available:
1) Non-Commercial license for students and individuals developing software which will no be distributed for commercial use. Upon permission from Tower, software can be published as shareware.
2) Commercial license for commercial developers who will distribute or deploy developed software for commercial use.

**OS Provisions:**

no special requirements

**Documentation:**

500+ page user reference manual in English

**Product Support:**

60 days free technical support provided with purchase. Non-Commercial support is 30% per year of current retail price. Includes technical support via email or fax, and free upgrades ( excluding shipping cost ). Different support programs available for commercial developers.

**Linux Support:**

n/a

**Extra Features and Add-Ons:**

TowerEiffel supports interoperability with C and C++. Motif GUI Libraries, and Data Structure Library ( Booch ) sold as add-ons.

**Available Since:**

November 1994

**Countries with Distribution:**

TowerEiffel is available worldwide with aurthorized distributors in UK, Ireland, Germany, Switzerland, Japan, and China

**Price Range:**

USD249 for non-commercial license; USD1295 for commercial license

**Installed Base:**

N/A

**Vendor:**

```
Tower Technology Corporation
1501 West Koenig Lane
Austin, TX 78756, USA
Phone:  800 285 5124 or +1 512 452 9455
Fax:    +1 512 452 1721
E-mail: tower@twr.com
www: http://www.cm.cf.ac.uk/Tower/
```

**Entered:**

April 5, 1995

## 9.4 Financial Software

All about financial tools.

### 9.4.1 BB Tool

**Description:**

BB Tool is a powerful stock charting, technical analysis and portfolio management tool.

**Distribution Media:**

FTP download, or 3.5" diskettes

**Licensing Policy:**

Per machine license. FREE demo version is available via FTP at *ftp://ftp.portal.com/pub/ctor* (`ftp://ftp.portal.com/pub/ctor`)

**OS Provisions:**

kernel version 1.1.52+, XFree86 3.1.1

**Documentation:**

PostScript formatted document is available via FTP download (file bb_doc.ps.gz). The document has 42 pages including tutorial and reference guide. Man pages are also provided. BB Tool has extensive context sensitive online help. Available in English only.

**Product Support:**

Free patch of current version available via Email or FTP.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

Historic stock data on US Stock Exchange (NYSE, AMEX, NASDAQ) are available at USD1.00 per stock. Daily stock quote is available FREE, distributed via Email.

**Available Since:**

Sun SPARC version available since December 1993. Linux version available April 1995.

**Countries with Distribution:**

USA

**Price Range:**

Linux version: USD79; Sun SPARC version: USD89 Plus tax and shipping (if applicable)

**Installed Base:**

N/A

**Vendor:**

```
Falkor Technologies
P.O.Box 14201
Fremont, CA 94539, U.S.A.
Phone: +1 (510) 505-0700
Contact: Henry Chen
Email: ctor@shell.portal.com
```

**Entered:**

May 10, 1995

## 9.5 Mathematics

Mathematics can as well be done with Linux ...

### 9.5.1 Maple V

**Description:**

Maple V Release 3 is a powerful general purpose computer algebra system. Maple V is a system for solving mathematical problems symbolically (instead of using paper and pencil and a lot of time) and numerically. Maple V's graphics (various types of 2D, 3D, animation) visualizes the solutions. Maple V has also a programming language (Pascal like) which allows to extend the library of 2500+ functions.

**Distribution Media:**

3.5" disks

**Licensing Policy:**

License for unlimited use in time of the bought version, floating license with user based pricing

**OS Provisions:**

Linux kernel 1.0; XFree86 or Motif possible but not necessary; release number 2100: at least 8 MByte RAM suggested

**Documentation:**

3 books ("First Leaves: A Tutorial Introduction" 253 pgs., "Language Reference Manual", 267 pgs. and "The Maple Handbook" 497 pgs.), Installation Manual. Manual pages of all functions and commands, help browser, keyword search. Documentation and help in English, some books in various languages exist.

**Product Support:**

updates/maintenance depending on license, please call the distributor or WMSI.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

share library via email and *ftp* (`ftp://daisy.uwaterloo.ca/pub/maple`). Free mailing list available (`maple_group@daisy.waterloo.edu`).

**Available Since:**

September 94

**Countries with Distribution:**

US/Canada, Europe, Asia

**Price Range:**

German list price: DM 1785 (plus shipping and handling plus VAT). Please call the national distributor or WMSI.

**Installed Base:**

**Vendor:**

```
Waterloo Maple Software
450 Phillip Street, Waterloo, Ontario, Canada N2L 5J2
Phone: +1 (519) 747-2373
Fax:   +1 (519) 747-5284
email: info@maplesoft.on.ca

Germany, Switzerland and Austria:
Scientific Computers GmbH
Franzstr. 106
D-52064 Aachen, Germany
```

Phone: +49 (0)241/26041
Fax: +49 (0)241/44983
E-Mail: info@scientific.de
Contact: Monika Germ

**Entered:**

Sep 19, 1994

### 9.5.2 Mathematica

**Description:**

Mathematica is a computational and visualization software package that's used by engineers and scientists worldwide for quick, accurate numeric and symbolic answers.

**Distribution Media:**

3.5" 1.44MB DOS floppy disks

**Licensing Policy:**

N/A

**OS Provisions:**

Will take advantage of numeric coprocessor, if present. 20MB free disk space recommended (30MB required during installation). 8MB RAM required, 16MB RAM recommended for the Mathematica kernel.

**Documentation:**

Includes Mathematica : A System for Doing Mathematics by Computer, Installation Manual and User's Guide for Unix computers, Guide to Standard Mathematica Packages, Release Notes, and additional technical reports. On-line help, on-line documentation.

**Product Support:**

Free technical support

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

July 1995

**Countries with Distribution:**

U.S., Canada, Europe, Latin America, South Africa, Asia, Far East, Australia (everywhere)

**Price Range:**

Starting at USD995 in the U.S.

**Installed Base:**

N/A

**Vendor:**

```
Wolfram Research, Inc.
Phone:  +1 (800) 441-6284 or +1 (217) 398-0700
Fax:
Contact:
E-mail: info@wri.com
WWW:    http://www.wri.com

Europe:

Wolfram Research Europe Ltd.
Phone:  +44-(0)1993-883400
E-mail: info-euro@wri.com
```

**Entered:**

August 16, 1995

### 9.5.3 Matlab and Simulink

**Description:**

MATLAB is a high-performance, interactive numeric computation and visualization environment that combines the advantages of hundreds of packaged advanced math and graphics functions with a high-level language.

SIMULINK is a powerful, interactive software package for modeling, analyzing, and simulating dynamic nonlinear systems.

**Distribution Media:**

CD-ROM

**Licensing Policy:**

SiteID-Locked - Contact The MathWorks for details.

**OS Provisions:**

Linux '95 V1.2, 16 MB RAM, 20 MB disk space.

**Documentation:**

Printed documentation, online help, MATLAB Reference Guide (HTML)

**Product Support:**

The MathWorks supports a variety of Internet-based services to provide product information and services 24 hours a day. These services give immediate access to a wealth of resources, product data sheets, technical support, answers to frequently asked questions, user- contributed materials, open-forum discussions, and more. (For details ask vendor. hm)

**Linux Support:**

None.

**Extra Features and Add-Ons:**

Toolboxes: Fuzzy Logic, Signal Processing, Image Processing, Spline, Symbolic Math, Neural Network, Nonlinear Control Design, Control System, Robust Control, Mu-Analysis & Synthesis, System Identification, Optimization, Statistics, Real-Time Workshop. Blocksets: Fixed-Point Blockset, DSP Blockset

**Available Since:**

June 1995

**Countries with Distribution:**

Spain, Portugal, United Kingdom, Belgium, The Netherlands, Luxembourg, Australia, Switzerland, Japan, Taiwan, Korea, Israel, Poland, Germany, France, Italy, Austria

**Price Range:**

Available upon request.

**Installed Base:**

N/A

**Vendor:**

```
The MathWorks, Inc.
24 Prime Park Way
Natick, MA 01760, USA
Phone:  +1 (508) 653-1415 x4322
Fax:    +1 (508) 653-2997
Contact: technical: Brian Bourgault, Marketing: Enza Froio
E-mail: brian@mathworks.com, efroio@mathworks.com
WWW:    http://www.mathworks.com
```

**Entered:**

August 16, 1995

### 9.5.4 Reduce

**Description:**

REDUCE is a general purpose system for the symbolic manipulation of mathematical formulae (computer algebra) in science and engineering. More information via *WWW* (`http://www.zib-berlin.de/Symbolik/reduce`).

**Distribution Media:**

REDUCE for Linux is normally distributed on 3.5 inch diskettes. Tape cartridges of different formats are available on request.

**Licensing Policy:**

One time fee per installation. Discount for multiple licenses. Free demo version available via *ftp* (`ftp://ftp.zib-berlin.de/pub/reduce/demo/linux`).

**OS Provisions:**

Independent of LINUX kernel: the .c and .s sources for the LISP kernel are included and can be recompiled locally. X Windows not necessary but recommended. 8 Mbyte RAM recommended, better more.

**Documentation:**

A 230 page User's manual is available. A reference manual is accessible in hypertext style on line under X Windows. All documents in English. The manual and additional documentation on disk in LaTeX.

**Product Support:**

Free patches of the current version available via electronic mail or ftp.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

July 1993

**Countries with Distribution:**

All countries except Iraq and Yugoslavia. Local distributors in Russia, Japan, Czec Republic, China.

**Price Range:**

Personal REDUCE: approx. USD99; Professional REDUCE: approx. USD499. Plus freight and tax.

**Installed Base:**

several dozens

**Vendor:**

Konrad-Zuse-Zentrum Berlin
Heilbronner Str. 10
D-10711 Berlin-Wilmersdorf, Germany
Phone: +49 (0)30/89604-195
Fax: +49 (0)30/89604-125
E-Mail: melenk@zib-berlin.de
Contact: H.Melenk

**Entered:**

Sep 28, 1994

## 9.6 Network Management

Network management tools that are Linux based can save quite a bit on your budget ;-)

### 9.6.1 Galacticomm BBS

**Description:**

Worldgroup for UNIX, a client/server online software platform integrating workgroup/e-mail applications, commercial online services, and BBS technology.

**Distribution Media:**

CD-ROM, tape, 3.5" disks.

**Licensing Policy:**

concurrent user-license, no free demo or shareware is available.

**OS Provisions:**

1.1.59 and higher kernel, XFree86 3.1.x, 55MB disk usage, RAM depends on number of simultaneous users (approximately 750kb per user).

**Documentation:**

printed documentation, 550 pages, online client-side help.

**Product Support:**

30-day free installation support, service contracts there- after. Classroom and/or on-site training available at extra costs.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

too many to list.

**Available Since:**

Oct. 95 (previous versions of software since Aug. 94).

**Countries with Distribution:**

N/A

**Price Range:**

baseline 8-user system, USD1695.

**Installed Base:**

1000+

**Vendor:**

Galacticomm, Inc.
4101 SW 47 Avenue, Suite 101
Ft. Lauderdale, FL 33314, USA
Phone: +1 (305) 583-5990, +1 (800) 328-1128
Fax: +1 (305) 583-7846
E-mail: unix@unix.gcomm.com

**Entered:**

Sept 14, 1995

### 9.6.2 NetEye

**Description:**

NetEye is a complete SNMP based Network Management System. NetEye's main features are:
Standard X-Window System and OSF/Motif user interface
Autodiscovery and automapping of all IP based objects
MIB Browser to simplify the navigation of all MIB-2 and private.enterprise variables
Trouble ticketing system capable of storing and forwarding tickets via email and fax
Capture, filtering and storing of SNMP device traps
Topological, logical and spatial network views using color codes
User definable bitmaps to represent network objects on maps
User definable alarm and warning thresholds and time plots of any number of MIB variables
Builtin address book to store and retrieve all fax and email addresses of other network managers
Online hyper help for unexperienced operators

**Distribution Media:**

3.5" Floppy disk or ftp

**Licensing Policy:**

Licensed per CPU, also available for OEM and source licensing. Full product is available on request for one month free of charge evaluation.

**OS Provisions:**

X11R5 and a video card capable of handling 256 colors. An ethernet card or PPP dialup connection. Minimum hardware requirements are 16 MByte RAM and a 386/40 CPU for managing small networks. Best performances using a 486DX2/66 CPU. Disk requirements: 12 MByte for basic installation that will grow depending on use and size of database of managed objects.

**Documentation:**

Documentation in english. Booklet of about 100 pages detailing all operations.

**Product Support:**

email, fax, telephone. First 90 days free. USD450/year for ongoing support and updates.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

Comes with a compiled and ready to use copy of University Ingres 8.9

**Available Since:**

September 1993

**Countries with Distribution:**

UK, USA, Canada, Italy and worldwide (manufacturer)

**Price Range:**

Complete network management system with trouble ticketing service: USD5500 list price. Source and OEM contracts: contact manufacturer.

**Vendor:**

```
Soft*Star s.r.l.
Via Camburzano 9
10143 Torino, Italy
Phone:  +39 11 746092
Fax:    +39 11 746487
Contact: Enrico Badella
E-mail: softstar@pol88a.polito.it
        eb@relay1.iunet.it
```

**Entered:**

November 1, 1994

### 9.6.3 Venus

**Description:**

Venus is an distributed administration tool for any network built of Unix workstations from different hardware vendors. A VENUS network presents itselfs to the user as a homogeneous computer system and garantees transparent access to any network resource. It provides software tools for major cluster management tasks: configuration management, software distribution, user and filesystem administration.

**Distribution Media:**

N/A

**Licensing Policy:**

Commercial.

**OS Provisions:**

Kernel 1.2, XFree86 3.1

**Documentation:**

Printed doumentation, online help.

**Product Support:**

Hotline, email, courses ... on request.

**Linux Support:**

Upon request.

**Extra Features and Add-Ons:**

N/A

**Available Since:**

1994

**Countries with Distribution:**

World.

**Price Range:**

Upon Request. Special prices for educational institutions.

**Installed Base:**

10 Linux Venus clients. (growing rapidly...)

**Vendor:**

science + computing GmbH
Hagellocher Weg 71
D-72070 Tuebingen, Germany
Phone: +49 (0) 7071/9457-0
Fax: +49 (0) 7071/9457-27
E-mail: info@science-computing.uni-tuebingen.de
WWW: http://www.science-computing.uni-tuebingen.de/
Contact: Olaf Flebbe

**Entered:**

August 15, 1995

### 9.6.4 VU-BBS

**Description:**

Visually oriented BBS system and system/user administration package. VU BBS offers tools for installing and managing a large and active site as well as providing an easy to use and yet powerful commercial BBS environment.

**Distribution Media:**

Public distributions of VU BBS may be found at *ftp.amaranth.com* (`ftp://ftp.amaranth.com`).

**Licensing Policy:**

VU BBS is freely available at many major ftp sites. Our primary site is *ftp.amaranth.com* (`ftp://ftp.amaranth.com`). In addition, annual registration is offered at USD45/year which provides immediate access to product updates and enhancements. VU BBS is distributed fully functional with no limitations on simulataneous user access, and is registered on a per-running-machine basis.

**OS Provisions:**

Linux kernel 1.1.47 or later. 4 megs of free space for installation. Running requirements are less than 200k per VU BBS user online!

**Documentation:**

Limited at this time.

**Product Support:**

In addition to registration, a publically maintained mailing list for VU BBS sysops is hosted through *majordomo@julie.pond.com* (`mailto:majordomo@julie.pond.com`).

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

March 1995.

**Countries with Distribution:**

world

**Price Range:**

see above

**Installed Base:**

N/A

**Vendor:**

```
Tycho Softworks
25 Ceder St.
Garfield, NJ 07026, USA
E-mail: mycroft@mnsinc.com
Contact: David Sugar
```

**Entered:**

August 15, 1995

## 9.7 Text Processing

All kind of text processing, ASCII- and GUI-based

### 9.7.1 CRISP

**Description:**

CRISP is a graphical text editor on various Unix and Windows platforms which is 100% compatible with BRIEF. What makes Crisp different is that it tries to deliver its power in an intuitive point & click environment, without taking away the keyboard.

**Distribution Media:**

3.5" diskettes. Tapes available at extra charge.

**Licensing Policy:**

Both node locked and floating licenses are available. Demonstration copy is archived at *ftp.uu.net* (`ftp://ftp.uu.net/vendor/vital`).

**OS Provisions:**

RAM: 0.5 MByte, harddisk: 6 MByte (full), 2 MByte minimum. Openlook / Motif / Character versions are available on just about all commercial Unix platforms, Linux and Windows 3.1/NT.

**Documentation:**

printed, on-line manuals, on-line help, English

**Product Support:**

updates and maintenance can be purchased at $100.00 US per license per year. It provides free upgrades for one year.

**Linux Support:**

We are currently giving away Slackware Professional 2.0 away for users ordering Crisp. This promotion however is only valid till end of October.

**Extra Features and Add-Ons:**

N/A

**Available Since:**

March 1994

**Countries with Distribution:**

International Distributor: VITAL; Europe: Lasermoon

**Price Range:**

$99.99 without printed manuals. Printed user manual can be purchased at an additional $40.00

**Installed Base:**

**Vendor:**

```
VITAL SOLUTIONS INC
4109 Candlewyck Drive
Plano, TX 75024, USA
Phone:  +1 (214) 491-6907
Fax:    +1 (214) 491-6909
E-Mail: info@vital.com
Contact: Gigi Mehrotra
```

**Entered:**

Sep 20, 1994

### 9.7.2 ibgsXaed

**Description:**

ibgsXaed is an editor which is portable to every X Window System that offers OSF/Motif. The editor has normal edit functions and a lot of special features that support newcomers and professionals (f.e. function keys for system commands execution, variable fonts, undo, redo, online help, hotlist, iconbar, etc.).

**Distribution Media:**

3.5" diskette

**Licensing Policy:**

free demo version

**OS Provisions:**

X Window System X11R5, OSF/Motif 1.2, approx. 2 MByte harddisk

**Documentation:**

printed manual, online help, both in English or German

**Product Support:**

hotline, updates

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

July 1994

**Countries with Distribution:**

**Price Range:**

DM 799,- for one license, sliding prices for more licenses

**Installed Base:**

**Vendor:**

```
ibgs GmbH
Promenade 7
D-52076 Aachen, Germany
Phone:  +49 (0)2408/9455-53
Fax:    +49 (0)2408/9455-15
Contact: Mr.Sohn
```

**Entered:**

Sep 28,1994

## 9.8 X Windows related stuff

Alternative X Windows servers, widget sets, window managers.

### 9.8.1 Metrolink Motif

**Description:**

Motif 1.2.4 - Graphical User Interface - Complete Runtime and Development package with Color Pixmap Support.

**Distribution Media:**

3.5" diskettes (3), or FTP: The customer places the order with a credit card, then we email him our license agreement, installation instructions, release notes, and the FTP instructions – including the current password.

**Licensing Policy:**

Licensing is per CPU. NFS mounting not allowed. Site licenses are available for 10 or more copies.

**OS Provisions:**

Linux 0.99pl15g or higher, 8-16 MByte RAM, 9 MByte HardDisk

**Documentation:**

OSF User's Manual (120 pages), man pages (electronic), English.

**Product Support:**

90 days free tech support, 30-day money back guarantee, Extended Tech Support Contract $100 US per year.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

Motif 1.2.4 for Linux since August 1994 (Motif 1.2.2 for Linux since June 1993).

**Countries with Distribution:**

USA, Germany, France.

**Price Range:**

$149.00 US through October 31, 1994; $199 US after that if the special offer isn't extended.

**Installed Base:**

2,600 copies as of Sep 23, 1994

**Vendor:**

Metro Link Incorporated
4711 N. Powerline Rd.
Fort Lauderdale, FL 33309, USA
Phone: +1 (305) 938-0283
Fax: +1 (305) 938-1982
E-Mail: sales@metrolink.com (general info)
Contact: Holly Robinson (holly@metrolink.com, other questions \& orders)

**Entered:**

Sep 19, 1994

### 9.8.2 X Inside X Servers

**Description:**

Replacement X Server for the XFree86 and other Servers for Linux. Supports Actix, ColorGraphics, Compaq, ELSA, Matrox, Number 9, ATI, Boca, Diamond, Orchid, Reveal, STB, TechWorks. Chipsets include Matrox, Number 9 Imagine-128, ATI Mach64, S3 964. Supports Mouse Systems, Microsoft, Logitech mice.

**Distribution Media:**

single floppy diskette

**Licensing Policy:**

Per cpu license. Site licenses available.

**OS Provisions:**

Tested on versions of Linux between 1.0.8 and 1.1.18. No known problems with any Linux distribution. Requires around 3MB hard disk. Best used with a mouse...

**Documentation:**

Postscript formatted manual available via *ftp* (`ftp://ftp.xinside.com/accelx/1.0/Manual`). Hard-copy shipped with first copy of Server license.

**Product Support:**

Installation support included in price; available by email, Fax (and by phone if we have to).

Update service available, US$100 for four revisions a year, to track new chipsets and other performance improvements. US$50 to upgrade to specified revision (e.g. 1.1 to 1.2).

Product automatically sends email on failure. We may respond to a problem before you know you have it!

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

Various extensions will be offered, starting with PEX.

**Available Since:**

May 94

**Countries with Distribution:**

Distribution currently in negotiation. Complete information available via *ftp* ( `ftp://ftp.xinside.com/accelx/1.0/All/prodinfo.txt`). Europe: Delix Computers, Stuttgart

**Price Range:**

US$199.00. Student, academic and VAR discount programs. Student discount is 20% for Release 1.0 and 50% for Release 1.1. Post & Packing is between US$3 for US Mail to US$15 for Next Day delivery. Delix: Accelerated X DEM 159, Motif 2.0 DEM 259.

**Installed Base:**

**Vendor:**

```
X Inside Incorporated
P.O. Box 10774
Golden, CO 80401-0610, USA
Phone:  +1 (303) 384-9999
Fax:    +1 (303) 384-9778
E-mail: info@xinside.com

Europe:
delix Computer GmbH
Schloss-Str. 98
D-70176 Stuttgart, Germany
Phone: +49 711/621027-0
Fax:   +49 711/613590
E-mail: info@delix.de
```

**Entered:**

April 7,1995

## 9.9 Other Software

Everything else that does not fit in one of the other sections by now.

### 9.9.1 Amadeus music software

**Description:**

Fully professional music notation and printing software. Supports MIDI-interface for realtime and step input. Printer drivers to some matrix-, Ink-jet and Laserprinters. Supports postscript translation for output on PS-printers or use in Ghostscript for printing on any printer supported by GS. Supports TIFF (import and export). The functionality is somewhat roff or TEX look a like. ASCII-files (one

per system) containing source are processed into files, containing one page each, wich can be converted into graphic files for viewing or editing on screen or printing, or into other formats as PS or TIFF. The software is highly automated in the actual note drawing. This makes it possible for blind musicians to print music for seeing if they use a blindsign-display to handle the computer.

**Distribution Media:**

Diskettes in tar-format (About 10)

**Licensing Policy:**

Strictly commercial. No demo at hand. Postcriptfile with detailed information and lots of music examples available. Post a message to *m8770@abc.se* (`mailto:m8770@abc.se`) and it will be sent to you.

**OS Provisions:**

Package contains kernel. XFree86 needed (not for blind users). 8Mb RAM, about 20 Mb HD.

**Documentation:**

Doc. in English and German.

**Product Support:**

Support via Tel. or Fax. Support free if the information not is available in the manuals. Uppdates about once a year, prices varies.

**Linux Support:**

Only if it is strictly related to the software

**Extra Features and Add-Ons:**

Are developed if requested. Price related to the work needed.

**Available Since:**

March 1994

**Countries with Distribution:**

Directly to the intire world from the developer except for Scandivia. For Scandinavian customers: see Vendor

**Price Range:**

DEM 4000; Blind version DEM 6500; Upgrade from the Idris-version (Atari) DEM 2000

**Installed Base:**

N/A

**Vendor:**

Wolfgang Hamann
Amadeus Notenzats
Winterstr. 5
D-81543 Muenchen, Germany
Phone: +49 89 669678
Fax: +49 89 669579
Contact: Wolfgang Hamann

Scandinavian customers and e-mail:
Jerker Elsgard
MIDIBIT AB
Box 161
S-618 23 KOLMARDEN, Sweden
Phone/Fax: +46 11 391663
Contact: Jerker Elsgard
E-mail: m8770@abc.se

**Entered:**

April 5, 1995

### 9.9.2 aqua_zis

**Description:**

(Time Series Information System). A system to store and maintain huge amounts of measurement data (mainly hydrological data). Time series with several 100,000's of values can be handled. You may retrieve, edit and insert data very fast. A lot of statistical and arithmetical operators are applicable. Time series may be visualized in a full scale GUI, includeing high performance zooming ans scrolling. The user may define individual GUI's in an easy script language and with the time series programming language Azur. Reports on any paper size including full graphics are possible through Azur. Output is produced in Postscript and HPGL formats.

**Distribution Media:**

We install at your site. Demo disk available (*tar*)

**Licensing Policy:**

machine or site licenses available. Test licenses are limited in time.

**OS Provisions:**

Linux version 0.99pl6 or later. Motif required if you use the GUI features. When set up as a time series database server, no graphics is needed. RAM usage 8 – 16 MB. Disk space required: some 15 MB for executables and help files. For the data: several GB's.

**Documentation:**

printed manuals covering end user and admin tools (English version soon to appear). Program documentation and design available only in English.

**Product Support:**

12 months warranty, maintenance contract recommended. One day training at your site included.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

aqua_trop precipitaion reconstrucion tool using GIS methods. DigiTul digitizing of precipitaion, water-level etc. paper registrations. aqua_log gound water data management.

**Available Since:**

Jan 1994

**Countries with Distribution:**

Germany, Austria, soon EC.

**Price Range:**

machine license: 39,000 DM, multiple machines: graduated discounts, site licenses on request, reasonable discout for universities.

**Installed Base:**

some 4 Linux-only systems are running.

**Vendor:**

```
aqua_plan
Ing.-Ges. fuer Problemloesungen
in Hydrologie und Umweltschutz mbH
Mozartstr. 16
D-52064 Aachen, Germany
Phone:  +49 (0)241/31430
Fax:    +49 (0)241/31499
```

**Entered:**

Aug 26, 1994

### 9.9.3 CLiX

**Description:**

CliX is a OSF/Motif based desktop available for almost any UNIX platform, providing support for remote and local file and directory manipulations, handling print and batch queues and message based communication.

**Distribution Media:**

Free Demo without network and batch functionality available via *FTP* (`ftp://ftp.science-computing.uni-tuebingen.de/pub/clix-light/`) or

*WWW* (`http://www.science-computing.uni-tuebingen.de/produkte/clix.html`). Floppy version on request.

**Licensing Policy:**

Free demo without remote functionality, full commercial version available on request.

**OS Provisions:**

Kernel 1.2, XFree86 3.1, 16 MB RAM min

**Documentation:**

Full version: printed documentation, approx 150 pages, online help. Free version: german docu without figures on ftp server.

**Product Support:**

No support for free version. Commercial version: Hotline, classes.. on request

**Linux Support:**

Not appropriate

**Extra Features and Add-Ons:**

Not appropriate

**Available Since:**

May 1995.

**Countries with Distribution:**

World.

**Price Range:**

Free Demo. Full Version (Linux) DEM 1000. Domain licenses available. Special discount (approx. 70 %) for educational sites.

**Installed Base:**

N/A

**Vendor:**

```
science + computing GmbH
Hagellocher Weg 71
D-72070 Tuebingen, Germany
Phone:  +49 (0) 7071/9457-0
Fax:    +49 (0) 7071/9457-27
E-mail: info@science-computing.uni-tuebingen.de
WWW:    http://www.science-computing.uni-tuebingen.de/
Contact: Olaf Flebbe
```

**Entered:**

August 15,1995

### 9.9.4 Executor

**Description:**

Commercial Macintosh Emulator. Fast CPU Emulation (75 MHz 486DX4 approximates 25 MHz 68040). Allows many Macintosh applications, including Word 5 and Excel 4 to run without requiring anything from Apple. Reads, Writes and Formats 1.4 MB Macintosh formatted floppies. Reads and Writes SCSI Macintosh disks. Reads Macintosh formatted CD-ROMs. Color support, Prints to PostScript printers. Has demo applications so you can run it with no Macintosh experience.

**Distribution Media:**

electronic now, CD-ROM when 2.0 ships

**Licensing Policy:**

Executor for Linux can be found in *ftp://ftp.ardi.com/pub/ExecutorLinux/* (`ftp://ftp.ardi.com/pub/ExecutorLinux/`). It has a ten minute time limit that can be removed via a serial number and authorization key. There are enough incompatibilities that potential customers are strongly encouraged to examine the Executor in its time limited demo form before ordering. However, we offer a 30 day unconditional money back guarantee.

**OS Provisions:**

Is known to work with kernel 1.2.0. Standard distribution takes about 7 MB. Needs 8 MB of its own RAM to run quickly. The demo version is dynamically linked with the XFree86 3.1 libraries and with libc/libm-4.5.26.

**Documentation:**

*English FAQ* (`ftp://ftp.ardi.com/pub/executor-faq.ascii`).

**Product Support:**

Free upgrades to licensees of 1.99<x>, up to and including the first official release of Executor for Linux: Executor/Linux 2.0.

**Linux Support:**

*questions@ardi.com* (`mailto:questions@ardi.com`)

**Extra Features and Add-Ons:**

N/A

**Available Since:**

Has been in pre-beta since March of 1995. Is expected to be officially released in November of 1995.

**Countries with Distribution:**

Current pre-beta releases are available only directly from us. Within six months of 2.0's release we will probably have distribution worldwide.

**Price Range:**

Pre-beta copies are available for USD49 for students, faculty and staff of educational institutions, USD99 for everyone else. These prices are good at least until September 15. Somtime soon thereafter the suggested retail price for the non-educational license will be USD249. The educational price will rise significantly, also.

**Installed Base:**

129 Linux users as of August 12, 1995. Many more DOS and NEXTSTEP users.

**Vendor:**

```
ARDI
Suite 4-101
1650 University Blvd., NE
Albuquerque, NM 87102, USA
Phone:  +1 505 766 9115
Fax:    +1 505 247 1899
Contact:
E-mail: questions@ardi.com, orders@ardi.com, bugs@ardi.com
```

**Entered:**

August 15,1995

### 9.9.5 Mazama Packet Filter

**Description:**

The Mazama Packet Filter is a Linux-based IP packet filtering or firewall application.

**Distribution Media:**

The Mazama Packet Filter package is distributed on 1 (one) floppy (3.5") disk. Also included is the latest version of the InfoMagic CD-ROM Linux distribution.

**Licensing Policy:**

Evaluation copies are available on request, and will be distributed based solely on our evaluation of the potential client. Source code will not be distributed with the eval version (but with the production version. hm)

**OS Provisions:**

kernel version: 1.2.1 through 1.2.8, support for later versions available as they surface. We track kernel versions closely. RAM: min. 8MB, suggested 16+MB. Hard disk: MPF software $<$ 2MB. Recommend total at least 250MB, (accounts for log file disk space requirements). The MPF package includes the InfoMagic Linux distribution which includes all necessary source for the kernel. The MPF installation also provides patches for versions 1.2.0 through 1.2.8, (see above) to update the kernel for compatibility with the MPF.

**Documentation:**

Printed and bound documentation, as well as online html version. Online version available at *Mazama Web Site* (`http://www.mazama.com/`). English language only currently.

**Product Support:**

Free updates via anonymous ftp. E-mail and phone support. Training and consulting available on request. Inquire about prices.

**Linux Support:**

Linux support, training, and configuration assistance available on request. Once again, inquire about prices.

**Extra Features and Add-Ons:**

none.

**Available Since:**

May 15, 1995

**Countries with Distribution:**

We are currently negotiating with several foreign distributors.

**Price Range:**

Mazama Packet Filter: USD750. Mazama Enterprize Firewall: USD1500

**Installed Base:**

5 copies currently in circulation.

**Vendor:**

```
Mazama Software Labs, Inc.
15600 NE 8th St., Suite B1 #544
Bellevue, WA 98008
Phone: +1 (206) 545-1808
Fax:
Contact: Eric D. Berg
E-mail: info@mazama.com (general inquiries), support@mazama.com (tech support)
```

**Entered:**

June 9, 1995

### 9.9.6 PROCHEM-C

**Description:**

PROCHEM-C is an integrated Software System for users dealing with design, construction, maintenance, operation and control of plants in the fields of

- Pipeline Construction
- Chemical & Pharmaceutical Industry
- Power Plant Construction
- Petrochemical Industry
- Food Processing
- Environment Technology

**Distribution Media:**

DAT or QIC150

**Licensing Policy:**

per Workstation or Server-Licence

**OS Provisions:**

kernel version 1.0 , modified portmapper/mount XFree86 Version 2.1, Motif Version 1.2.3, RAM : 32 - 64 MByte (min. 16 MByte) DISK: 1 GByte (min. 500 MByte) Swap 120 MByte (min. 80 MByte)

**Documentation:**

ON-Line integrated in PROCHEM-C (printed optional) ca. 1700 Pages. German or English.

**Product Support:**

Update Service : All 3 Months or on User-request. Prices for Maintenance and Training on request.

**Linux Support:**

Only for Problems concerning LINUX ¡–¿ PROCHEM-C

**Extra Features and Add-Ons:**

N/A

**Available Since:**

1983, LINUX Version since 1993

**Countries with Distribution:**

N/A

**Price Range:**

DEM 2,000 to DEM 65,000 (i.a.w. amount of features. hm)

**Installed Base:**

N/A

**Vendor:**

COMPLANSOFT CAD GmbH
Sulzbacher Strasse 15 - 21
D-65812 Bad Soden, Germany
Phone: +49 6196/56 06-0
Fax : +49 6196/56 06-66
Contact : Chris Chirila

**Entered:**

April 6, 1995

### 9.9.7 ROSIN NC

**Description:**

ROSIN-NC-Werkbank (*ger*: workbench) The ROSIN-NC-Werkbank is a comprehensive set of tools which accomplish a CAD system. These tools comprise the ROSIN-VDAFS-Processor to process digitised data, and data in the VDAFS format; the ROSIN-Post Processors to generate 2- to 5-axis milling programs for all major CNC process controls; the ROSIN-NC-Editor to analyse and edit existing NC programs; the ROSIN-NC-Visualiser to visualise the tool path and generate printed information about a NC program; the ROSIN-Engraver to mill logos or fonts of any kind.

**Distribution Media:**

Tapes (DAT, QuarterInch) or floppy disk

**Licensing Policy:**

All tools of the ROSIN-NC-Werkbank are independently licensed via the ROSIN License System, the customer gets a production license for each purchased tool. The combination of license types with different tools is possible. There are individual licenses for single users, 2-5 users etc. Please consult vendor for more information.

**OS Provisions:**

Kernel Version higher or equal to 0.99pl14; Motif; RAM 16 MByte, recommended 20 MByte; the necessary disk space for a complete installation with all tools is 25 MByte. It is recommended to ensure a free disk space of at least 1,5 times the size of the input file(s).

**Documentation:**

An Online Help Function is available with all tools. With the purchase of each tool a manual is supplied in the language chosen by the customer (languages available: German, English, French and Italian, other languages on request). Size of manuals: Depending on the tool from 60 to 170 pages each.

**Product Support:**

Maintenance contracts are offered for all tools and cost 1,3% per month of the license price. With a maintenance contract the customer gets regular product updates and manual updates. Migration to a different hardware platform is significantly cheaper (3% of the license price instead of 12% for customers without maintenance contract). The telephone hotline is free of charge. Our telephone hotline is available from 8.30 to 17.00 MET, languages are German and English. We offer special prices for product installation and training courses (75% of the normal service prices) for product customers. Prices for product updates can be provided on request.

**Linux Support:**

(there was no "official" statement by ROSIN, however, I was told on the phone that ROSIN ships complete systems with pre-installed software, and that they would offer limited Linux support as far as handling their software is concerned. hm)

**Extra Features and Add-Ons:**

N/A

**Available Since:**

1994

**Countries with Distribution:**

Germany, France and Mexico (please consult vendor for more information). We are looking for distributors in the UK, Spain and Italy.

**Price Range:**

The lower prices (in DM) are for Single User Licenses, the higher ones for Multi User Licenses, floating type. Prices for all other licenses are included in this price range.

ROSIN-VDAFS-Processor 7500 to 9750 ROSIN-3-axis Post Processor 4500 to 11050 ROSIN-5-axis Post Processor 13500 to 32500 ROSIN-NC-Editor 7500 to 9750 ROSIN-NC-Visualiser 3500 to 4550 ROSIN-Engraver 1500 to 1950

**Installed Base:**

**Vendor:**

```
ROSIN Gesellschaft fuer technische Datenverarbeitung mbH
Roniger Weg 13
D-53545 Linz am Rhein, Germany
Phone:  +49 (0)2644/97003-0
Fax:    +49 (0)2644/97003-32
Contact: Gisela Buechner (Marketing)
```

**Entered:**

Sep 19, 1994

### 9.9.8 SPATCH

**Description:**

SPATCH software allows alphanumeric paging from a Linux system. With SPATCH, Linux users can send text messages to alphanumeric pagers from a user, an application, an operating system, or an E-Mail System.

**Distribution Media:**

3.5" Disk, File Transfer

**Licensing Policy:**

30 Day Evaluation Kits are available.

**OS Provisions:**

N/A

**Documentation:**

SPATCH includes printed documentation for installation and use.

**Product Support:**

Installation support is provided free of charge.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

SPATCH SECURITY (USD149) Used by ISPs to prevent unauthorized access to SPATCH. SPATCH CALL COUNT REPORTING (USD99) Used by ISPs for reporting and billing of call counts.

**Available Since:**

July 1995

**Countries with Distribution:**

**Price Range:**

USD199 - USD999

**Installed Base:**

Currently SPATCH is installed on 2 Linux systems.

**Vendor:**

```
The Hyde Company, Inc.
P.O. Box 900190
Atlanta, GA 30329, USA
Phone:  +1 (770) 495-0718
Fax:    N/A
Contact: Alan Lewis
E-mail: spatch@cy.com
```

**Entered:**

August 15, 1995

### 9.9.9 Unix Cockpit

**Description:**

The Unix Cockpit (UC) is a nifty new file manager for Unix/X11 that smoothly integrates a directory tree, file browsers, custom menus and the classic Unix shells into one highly customizable productivity tool of a kind long missed on Unix systems.

**Distribution Media:**

anon. ftp from ftp.uu.net (192.48.96.9), directory /vendor/UniX11/linux.

**Licensing Policy:**

On Linux, USD25 shareware. For the people who wrote Linux, free.

**OS Provisions:**

Kernel 1.0.8 or higher. Small, single file executable (500k). No installation necessary.

**Documentation:**

Fully indexed, postscript version of tutorial is available via ftp. Tutorial is also available online from within UC. UC has full context sensitive online help. The language used is English.

**Product Support:**

Small updates and bug fixes are free and made available via ftp. Extra support is via email courtesy support hotline at support@UniX11.com. Special training/installation help on request.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

The Linux version is beta testing since 11/94. The SGI versions have been shipping since 9/94. SunOS, HP & DEC Alpha versions are in beta, too.

**Countries with Distribution:**

All distribution goes over the internet.

**Price Range:**

USD25 shareware.

**Installed Base:**

It is still a beta version, which is free, so no Linux copies have sold. Quite a few beta testers, though.

**Vendor:**

Henrik Klagges
UniX11 Software Development Corp
Moorbachweg 7
D-83209 Prien, Germany
E-mail: henrik@UniX11.com

**Entered:**

April 5, 1995

### 9.9.10 Unix Auto-Tutor

**Description:**

Unix Auto-Tutor is an automatic Unix tutor – a comprehensive, fully interactive, self-teaching CBT system for Unix training. It is organized like a traditional textbook with hypertext pages. Currently it has 9 chapters and 76 sections with 87 interactive tutorial sessions attached to its hypertext pages. More than 150 Unix commands, such as find, grep, sort, sed, awk and vi, are introduced. Can be used to provide in-house training or on-line training through BBS or Internet.

**Distribution Media:**

3.5" diskettes.

**Licensing Policy:**

Per CPU with the number of users purchased, eg. 2 user edition would limit 2 users at a time.

**OS Provisions:**

Kernel version .99 or higher, runable under xterm, Motif version is under construction, 300k RAM and 1.2M harddisk usage.

**Documentation:**

A 185+ page hardcopy of the on-line hypertext, online help available, all in English.

**Product Support:**

90 days free telephone and e-mail support. Instructor-led Unix training based on the Auto-Tutor is also available in house.

**Linux Support:**

No support for Linux OS itself.

**Extra Features and Add-Ons:**

Additional copies of the textbooks are available at USD25 each.

**Available Since:**

March 1995

**Countries with Distribution:**

Direct sales world wide.

**Price Range:**

Single User Edition: USD199 per CPU (for individual only). USD299 per CPU (for business). Add USD100 for each additional user. Shipping is additional.

**Installed Base:**

N/A

**Vendor:**

Sunny Micro Lab
1300 Britannia Road East, Suite #208
Mississauga, Ontario L4W 1C8, Canada
Phone: +1 (905) 795-9292
Fax: +1 (905) 795-9291
E-mail: info@sunni.com or sunni@hookup.net
Contact: Mo Chen

**Entered:**

August 15, 1995

## 9.10 Free Software for Commercial Hardware

This section is somewhat "exotic". It covers free Linux software (drivers et cetera) for specialized hardware. This is no "commercial software", however, the software is unusable without the hardware.

### 9.10.1 Cyclades Cyclom-Y

**Description:**

Cyclom-Y is serial multiport card for ISA/EISA PC's. 8 and 16-port models are available. There are RJ-12 and DB-25 connector options. It is based on the Cirrus Logic CD1400 serial processor. This RISC-based processor supports on-board character processing and allows speeds up to 115.2 kbps. Drivers for Xenix, SCO, ISC and UnixWare are available from Cyclades. There is a driver for Linux available in the Internet. Board variants: Cyclom-8Ys: 8 ports, RJ-12 connectors (no RTS signal); Cyclom-8Yo: 8 ports, DB-25 connectors in a octopus cable (full-modem); Cyclom-8Yb: 8 ports, DB-25 connectors in a external box (full-modem); Cyclom-8Yb+: 8 ports, same as 8Yb with surge protection; Cyclom-16Y: 16 ports, DB-25 connectors in a external box (full-modem).

**Distribution Media:**

3.5" diskettes

**Licensing Policy:**

The Linux device driver software is free and is available via ftp at *sunsite.unc.edu* (`ftp://sunsite.unc.edu/pub/Linux/kernel/patches/misc`).

**OS Provisions:**

(the driver is available as a patch relative to Linux 1.1.8. A driver for newer kernels is under development. hm)

**Documentation:**

The user's manual contains all the reference information to configure and install the card. Specific information about the Linux driver can be found in readme files.

**Product Support:**

SW updates from Internet. Cyclades will provide technical support on the hardware, but the driver is a freeware and is provided "as is". Cyclades makes no warranties about the suitability of this software for any purposes. Some companies bundle the driver in their Linux distributions and can help in the installation and configuration of the card.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

July 1994

**Countries with Distribution:**

worldwide

**Price Range:**

```
List Price (end user):

CYCLOM 8YS \$459
CYCLOM-8YO \$549
CYCLOM-8YB \$599
CYCLOM-8YB+ \$699
CYCLOM-16Y/DB25 \$794

Promotion for resellers only (first-time buyer):
CYCLOM 8YS \$99
CYCLOM-8YO \$199
CYCLOM-16Y/DB25 \$399

NOTE:  All prices are F.O.B. Fremont, CA, USA
```

**Installed Base:**

**Vendor:**

```
Cyclades Corporation.
44140 Old Warm Springs Blvd
Fremont, CA 94538, USA
Phone:  +1 (510) 770-9727 or (800) 347-6601
Fax:    +1 (510) 770-0355
E-Mail: cyclades@netcom.com
Contact: Doris Li (Sales and Marketing).

Distributor for Germany:
```

roka EDV und Datenkommunikationsberatung GmbH
Elbestr. 25
D-47800 Krefeld, Germany
Phone: +49 (21 51) 49 75-10
Fax: +49 (21 51) 49 75-32
Contact: Bernward Averwald
E-Mail: bernward@roka.net

**Entered:**

Sep 24, 1994

### 9.10.2 Stallion Technologies Multiport Serial Boards

**Description:**

(Stallion Technologies sent me a vast amount of data concerning their 4 thru 64 port boards. Too much to print here, really. Basically, there's the EasyIO series with 4 or 8 ports, the EasyConnection 8/32 with 8 to 32 ports and EasyConnection 8/64 with up to 64 connections. The Stallion Linux drivers also support the older ranges of Stallion Technologies boards, including the ONboard, Brumby and original Stallion familys of boards. Please contact vendor for more information. hm)

**Distribution Media:**

3.5" diskettes for supported operating systems (including SCO UNIX and XENIX, UnixWare, SVR4.x, Interactive Unix, NetWare Connect V1.0 or higher, NACS V3.0 and higher, MS-DOS, OS2). Linux drivers available from Internet archive sites, *stallion.com* (`ftp://stallion.com/`), *sunsite.unc.edu* (`ftp://sunsite.unc.edu/`), *tsx-11.mit.edu* (`ftp://tsx-11.mit.edu/`) and their mirrors. (Note the Linux driver is not supported by Stallion Technologies).

**Licensing Policy:**

The Linux driver is available at no charge and is copyrighted under the GNU General Public License.

**OS Provisions:**

The most current driver supports kernel versions 1.2.5 and later. The drivers are updated regularly to keep pace with kernel changes.

**Documentation:**

Hardware reference documentation provided with the boards. The The Linux driver package contains a README file with driver installation and usage information.

**Product Support:**

Stallion Technologies does not support the Stallion board Linux drivers. They were developed independently of Stallion Tecnologies. Stallion Technologies will provide support for their hardware.

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

October 1994

**Countries with Distribution:**

Worldwide distribution. Available in most countries.

**Price Range:**

Prices for the serial boards vary from country to country. Contact your nearest Stallion Technolgies office for local availability and pricing. The driver package contains a file with all Stallion Technologies offices.

**Installed Base:**

N/A

**Vendor:**

```
Stallion Technologies Pty Ltd.
56 Sylvan Rd
Toowong, QLD, 4066, Australia
Phone: +61 7 270 4242
Fax:   +61 7 371 8881
E-mail: allsales@stallion.com
```

**Entered:**

June 9, 1995

## 9.11 German corner

This section contains software which is only marketed in Germany and/or other German-speaking countries or which is otherwise specific for Germany or German-speaking countries. The companies listed here sent me entries in German ...

Dieser Abschnitt enthaelt Software, die nur in Deutschland und oder anderen deutschsprachigen Laendern vertrieben wird, oder die anderweitig spezifisch fuer den deutschen oder deutschsprachigen Raum ist. Die hier gelisteten Firmen schickten mir deutsche Eintraege...

### 9.11.1 BBSD-Druckerei

**Description:**

BBSD-Druckerei bietet alle erdenkliche Funktionalitaet, die zur Verwaltung in kleinen und mittleren Druckereien benoetigt wird:

- Verwaltung von Papieren zur Kalkulation und zur Lagerverwaltung

- Kundenverwaltung
- Erstellung von Kalkulationsboegen
- Erstellung von Angeboten mit Staffelpreisen etc.
- Erstellung von Auftragstaschen
- Erstellung von Rechnungen
- Drucken von Etiketten
- Listen ueber alle erfassten und verwalteten Daten

BBSD-Druckerei arbeitet mit einer Textoberflaeche, so dass fuer die meisten Arbeitsplaetze nur einfache ASCII-Terminals angeschafft werden muessen. Allerdings existieren auch Schnittstellen zu PC's, so dass eine problemlose Datenuebernahme - bspw. aus der Kundenverwaltung in eine PC-Textverarbeitung (Serienbriefe!?) - moeglich ist.

**Distribution Media:**

Disketten, DAT

**Licensing Policy:**

Die SW wird nur kommerziell vertrieben. Eine Praesentation kann nach Absprache bei uns oder bei dem Kunden vorgenommen werden.

**OS Provisions:**

Kernel Version 1.2, mind. 8 MB RAM und 0,5 MB RAM je Benutzer

**Documentation:**

Deutsches Handbuch, Online-Hilfe

**Product Support:**

Update-Service, Schulung, persoenliche Betreuung, Fernwartung

**Linux Support:**

N/A

**Extra Features and Add-Ons:**

N/A

**Available Since:**

Juni 1995

**Countries with Distribution:**

Deutschland

**Price Range:**

DEM 2000 (abhaengig von kundenspezifischen Anpassungen)

**Installed Base:**

(am 02.08.95) ¿= 4

**Vendor:**

Baastrup & Bayard GbR Software Design
Mallinckrodtstr. 7
44145 Dortmund
Phone: +49 (0)231/981 20-60
Fax: +49 (0)231/981 20-62
E-Mail: bbsd@bbsd.de

**Entered:**

September 14, 1995

### 9.11.2 Orgaplus

**Description:**

Orgaplus vertreibt eine ganze Auswahl branchenspezifischer Loesungen:

- J5 - Projektmanagement & Controlling fuer Agenturen und Projektierende Unternehmen (ab DM 6000,-)
- netConnect - Kabelmanagement & Endstellenverwaltung (ab DM 5500,-)
- R4 - Warenwirtschaft fuer den Reifenhandel (ab DM 6500,-)
- W5 - Warenwirtschaft (ab DM 6500,-)
- S2 - Technik / Wartung / Service (ab DM 3500,-)
- M3 - Menue- & Security-Management entspr. ISO 9000 Audit Vorschriften (ab DM 850,-)
- F4 - Finanzbuchhaltung (ab DM 1750,-)
- APAS - Lohn & Gehalt mit Voll-DUEVO. AOK-Systemgeprueft (ab DM 2800,-)
- A7 - Vertrieb- & Marketingmanagement (ab DM 1250,-)
- T5 - Textverarbeitung (integriert in die opus Software) (ab DM 300,-)
- G4 - Reportgenerator fuer den Sachbearbeiter (ab DM 1500,-)
- V2 - Versandpapierschreibung, Zollabwicklung (ab DM 4500,-)
- B2 - Anlagenbuchhaltung (ab DM 2500,-)
- K4 - Kostenrechnung (ab DM 4500,-)
- E2 - Elektronische Archivierung (ab DM 20000,-)
- Data Dictionary (ab DM 4500,-)
- Klassenbibliothek (ab DM 8500,-)
- Programmgenerator (ab DM 12500,-)
- Maskengenerator Text + GUI (ab DM 2500,-)

**Distribution Media:**

Disketten, DAT

**Licensing Policy:**

Demonstration erfolgt in unserem Haus oder nach Vereinbarung, Kurzpraesentation ueber WWW ik Construktion.

**OS Provisions:**

Kernel Version 1.2, XFree86 alle Versionen, Motif nicht noetig, mind. 8 MByte RAM, mind. 30 MByte freien Speicherplatz.

**Documentation:**

Deutsches Handbuch, Online-Hilfe

**Product Support:**

Update-Service, Schulung, persoenliche und telefonische Betreuung, Fernwartung, Fernschulung. Preise siehe beiliegendem Honorarverzeichnis.

**Linux Support:**

Installation von Linux, komplette Einrichtung von Linux. Preisgestaltung nach Aufwand, wegen unterschiedlichen Kundenanforderungen.

**Extra Features and Add-Ons:**

**Available Since:**

Maerz 1995

**Countries with Distribution:**

Deutschland, Oesterreich, Schweiz, Niederlande

**Price Range:**

User- und modulabhaengige Staffelung siehe Preisliste.

**Installed Base:**

**Vendor:**

orgaplus Software GmbH
Tel.: +49 71 31/59 75-0
Fax: +49 71 31/59 75-99
E-mail: info@orgaplus.de
Contact: Herr Michael Walz (Geschaeftsfuehrer), Herr Jaeger (Vertrieb)

**Entered:**

10. Mai 1995

# 10 Support

Who you're gonna call ...

This section contains some companies who provide for Linux support. The raw format is as follows:

```
Company name
Address
Phone
Fax
E-mail
Contact
Type of support (via phone, e-mail, inhouse, training etc.)
sample prices
```

## 10.1 Companies

The following list is virtually alphabetically sorted.

- ARIS Technology, Inc.
  Mississippi Research & Technology Park, Suite 204
  Starkville, MS 39759, USA
  Phone: +1 (615) 325-2319
  Fax: +1 (615)323-3726
  Email: *info@aris.com* (mailto:info@aris.com)
  Contact: Dr. Michael L. Stokes
  Type of support: Local Area networking support, Linux/UNIX/Windows compatibility software, Custom software, Web Authoring, Internet Access(Broadband 65kpbs and above)
  Sample prices: Technical support (USD25/hour). For Internet prices, see *http://www.aris.com* (http://www.aris.com)

- Baastrup & Bayard GbR Software Design
  Mallinckrodtstr. 7
  D-44145 Dortmund, Germany
  Phone: +49 (0)231/981 20-60
  Fax: +49 (0)231/981 20-62
  E-Mail: *bbsd@bbsd.de* (mailto:bbsd@bbsd.de)
  Contact: Joern Baastrup or Bjoern Bayard

  Type of support: We offer phone/email/inhouse support, installation, ongoing administration, training, consulting and support for porting existing applications to LINUX.

  Sample prices:
  Installation/Administration support (via phone/email) DM 100,00 / hour

Developer support DM 135,00 / hour
Training (contracts with better conditions are possible) DM 125,00 / hour
Consulting DM 140,00 / hour

Specialities: Development of business applications, Workflow-Managment based on COSA by Software Ley GmbH, WWW and email, "Plug & Play" LINUX-Workstations, Cyclades Multiportcards, ISDN with LINUX

- Bitbybit Information Systems
  Radex Complex, Kluyverweg 2A
  NL-2629 HT Delft, The Netherlands
  Phone: ++31-15-682569
  Fax: ++31-15-682530
  E-mail: *bitbybit@runner.knoware.nl* (`mailto:bitbybit@runner.knoware.nl`)
  Contact: Ir. N. Simon
  Type of support: On-site, Network
  Sample prices: Hfl 120,- per hour.
  Specialities: Installation, Internet Connectivity. Consulting, Custom-Made Software, Timetabling Systems, Database Interoperability.

- ClearVu TWS
  95 Clearview Drive
  Christiansburg, VA 24073, USA
  Phone: +1 (703) 231-3938
  Email: *Thomas Dunbar* (`mailto:tdunbar@gserver.grads.vt.edu`)
  Sample prices: email/phone USD70/hr; inhouse USD70/hr + traveling expenses
  Speciality: custom typesetting systems

- Couvares Consulting
  146 Mill Lane
  Amherst, MA 01002, USA
  Phone: +1 (413) 253-2589
  Email: *couvares@family.hampshire.edu* (`mailto:couvares@family.hampshire.edu`)
  Contact: Peter F. Couvares
  Type of support: We offer phone/email support, installation, ongoing administration, training, and specialized consulting for free software and Linux (and other UNIX) systems.
  Sample prices: USD40/hour commercial, USA20/hour nonprofit, sliding scale for personal

- Gregg Weber
  1076 Carol Lane #3
  Lafayette, CA 94549, USA
  Phone: +1 (510) 283-6264
  E-mail: *gregg@netcom.com* (`mailto:gregg@netcom.com`)
  Contact: Gregg Weber
  Type of support: ?
  Sample prices: USD40/hour, or per job quote. Free initial discussion of job requirements.
  Specialities: Installation, problem solving, C and assembly language programming, Embedded controller microcoding, cumputer systems and peripheral electronic design and development. Systems integration. Dos, MS-Windoze, X-Windows, Novell, Lantastic, internet email

- Frontier Internet Services Limited
  Allied House
  45 Hatton Garden
  London EC1N 8EX, England
  phone +44 (0)171 242 3383
  fax +44 (0)171 242 3384
  Email: *info@ftech.net* (`mailto:info@ftech.net`)
  Contact: Gareth Bult, Piers Cawley
  Type of support: All.
  Sample prices: UKP250/day
  Specialities: Internet Services Providers Systems/Network Integraters (Unix/Novell/Windows) General Consultancy

- LEMIS
  Schellnhausen 2
  D-36325 Feldatal, Germany
  Phone: +49 (0)66 37/91 91 23
  Fax: +49 (0)66 37/91 91 22
  E-mail: *lemis@lemis.de* (`mailto:lemis@lemis.de`)
  Contact: Greg Lehey
  Type of support: Phone, Email, inhouse
  Sample prices Hotline: DEM 3 per minute or part thereof; Contract: DEM 150/hour

- Michael Koehne
  Bremer Strasse 117
  D-28816 Brinkum, Germany
  Phone: +49 (0)421 / 87 55 00
  Fax: +49 (0)421 / 87 55 51

E-mail: *kraehe@bakunin.north.de* (mailto:kraehe@bakunin.north.de) (private)
Type of support: N/A
Sample prices: to be negotiated
Specialities: Linux installation for database or internetworking use. OS/2 and WfW conectivity. Applications for Getraenkegrosshaendler, Buchhandlungen, Wasserwirtschaftsaemter.

- Randysoft Software
  286 Cresta Vista Way
  San Jose, CA 95119, USA
  Phone: +1 (408) 229-0119
  E-mail: *randy@randysoft.com* (mailto:randy@randysoft.com)
  Contact: Randy Hootman
  Type of support: Via phone, e-mail, inhouse, training, software development. C/C++, Perl, Shell, networking, internet, installation.
  Sample prices: Prices vary according to type of work and length of contract.

- Signum Support AB
  Box 2044
  S-580 02 Linkoping, Sweden
  Phone: +46 (0)13 21 46 00
  Fax: +46 (0)13 21 47 00
  E-mail: *info@signum.se* (mailto:info@signum.se)
  Contact: *Magnus Redin* (mailto:redin@signum.se), *Inge Wallin* (mailto:ingwa@signum.se)
  Type of support: Phone, fax and email support
  Sample prices: Linux on CDROM with manual and installation support for one system, SEK 1,380; Internet server with WWW, Gopher, FTP, Sendmail, News/INN and DNS with administrationing tools that fits a pc system administrator and 40h support, SEK 30,000
  Specialities: Linux, GCC, CVS version management, Emacs, Tcl/Tk and Internet services: WWW, Gopher, FTP, Sendmail, News/INN

- The Silk Road Group, Ltd.
  13628 Bent Tree Circle #201
  Centreville, VA 22020, USA
  Phone: +1 (703)222-4243
  Fax: +1 (703)222-7320
  Email: *bass@silkroad.com* (mailto:bass@silkroad.com)
  Contact:Tim Bass
  Sample Prices: subject to project and availability
  Specialities: IP network management specialists using Linux platforms for Internet Information Services, including httpd servers, DNS and news servers, SMTP mail relay hosts, IP firewalls. Large scale

system and network design and integration for large corporations and goverment agencies. Clients include the USAF and the National Science Foundation. More info on *http://www.silkroad.com/* (`http://www.silkroad.com/`)

- Systems Software
  22 Irvington Cres
  Willowdale, On, Canada M2N 2Z1
  Phone: +1 (416) 225-1592
  Email: *Drew Sullivan* (`mailto:drew@ss.org`)
  Sample prices: $90 Canadian/hour
  Specialities: Unix Systems & Internet Consulting

- Sytek s.r.l.
  Via Cernaia 14
  I-10122 Torino, Italy
  Phone: +39 11 9884111
  Fax: +39 11 9951487
  E-mail: *mario@sytek.it* (`mailto:mario@sytek.it`), *info@sytek.it* (`mailto:info@sytek.it`)
  Contact: Mariotti Mario
  Type of support: by e-mail, inhouse/outhouse, training
  Sample prices approx. USD60 per hour
  Specialities: General Unix Consultant, X11/Motif Experts, we own a GUI Builder for Motif (Xad), we have great experience in writing Unix Device Drivers (char & block).

- Wizvax Communications
  1508 Tibbits Ave
  Troy, NY 12180 USA
  Phone: +1 (518) 273-4325
  Fax: +1 (518) 271-6289
  Contacts: *Richard Shetron* (`mailto:multics@wizvax.net`) (owner/manager), *Stephanie Gilgut* (`mailto:stephie@wizvax.net`) (Linux/SunOS/Unix wizard)
  Support: We prefer to do as much support as possible via e-mail, phone, telnet.
  Sample prices: Prices vary depending on both level of service desired (24 hr/7 day, business hours, phone, email, etc.) and term of contract (one-shot, monthly, yearly, etc.). Typical prices range from USD45/hr for classes for beginners taught by JR level staff to USD120/hr for one-shot emergency calls to fix systems broken by incorrectly installed software/hardware by non-customers with no support contracts.
  Specialities: We primarily support the multiport serial boards and cables we sell. Support for products we sell is free for installation and initial setup. We can do Linux consulting, training, seminars, etc.