

# **Release Notice: Contributed Software for AViiON Systems**

Release 4.0

Part Number 085-600136-04

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R006A

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### **Release Notice:**

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**Release 4.0**

**085-600136-04**

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# Introduction

This release notice describes the contributed software tape and its installation.

You can print additional copies of this release notice for personal use after you have installed this product. A copy suitable for line printers will be in the file `/usr/opt/contrib/release/contrib_sw_4.0.rm`.

## Product Description

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### Contents

The contributed software package includes an assortment of programs that Data General customers may find useful. The following table summarizes the contents of the tape. Unless otherwise specified, only source files are included for these software packages. Several of the packages are made up of more than one application. In these cases, the names of these applications are listed in the Contents column. The Package column lists the packages you may load using `sysadm`. The installation instructions are contained later in this release notice.

Package	Contents	Description
Notice		Release notice and file list
Options		sysadm name files (/usr/opt/contrib/options/*.name)
X_clients		MIT X11 R4 contributed software - clients (binaries)
X_clients_src		MIT X11 R4 contributed software - clients (sources)
X_misc		MIT X11 R4 contributed software - toolkits,libraries (binaries)
X_misc_src		MIT X11 R4 contributed software - toolkits,libraries (sources)
X_tk_InterViews		MIT X11 R4 contributed software - InterViews toolkit (sources)
X_tk_XView		MIT X11 R4 contributed software - XView toolkit (sources)
X_tk_Xcu		MIT X11 R4 contributed software - Xcu toolkit (sources)
X_tk_Xw		MIT X11 R4 contributed software - Xw toolkit (sources)
X_tk_andrew		MIT X11 R4 contributed software - andrew toolkit (sources)
X_tk_clue		MIT X11 R4 contributed software - clue toolkit (sources)
X_tk_serpent		MIT X11 R4 contributed software - serpent toolkit (sources)
X_tk_suit		MIT X11 R4 contributed software - suit toolkit (sources)
X_tk_xgks		MIT X11 R4 contributed software - xgks toolkit (sources)
bftp		background file transfer program (bftp) time function sources
dbx		dbx debugger (sources) (3.6)
docroff		Data General Electronic Publishing System (2.1)
elm		interactive screen-oriented mail reader (2.3)
emacs		GNU Emacs editor (binaries) (18.57.1)
emacs_src		GNU Emacs editor (sources) (18.57.1)
formatters	listc	C source printer (with line numbers and levels)
	lwf	converts ASCII text files to PostScript
	mpage	formats multiple text pages in Postscript
	nlistc	A modified version of listc (above)
	post	converts text and ditroff to PostScript
	pscal	script that generates PostScript calendars
gcc_src		GNU C sources (1.37.31)
imagen		IMAGEN (QMS) Host Software (binaries) (3.0.2)
imagen_src		IMAGEN (QMS) Host Software (sources) (3.0.2)
interpreters	funcprolang	interpreter of John Backus' "FP" language
	little-st2	Little Smalltalk interpreter
kermit		communications package
lpad		Remote line printer program for X.25
musbus		Monash University software for benchmarking UNIX systems (5.0)
mush		mail user's shell which may be used in place of mailx (6.4)
news		Netnews server code (C News)
notes		bulletin board program
pbmplus		Portable Bitmap conversion programs
rc		clone of the Plan-9 shell (1.1 gamma)
rn		an interactive Netnews reader (4.3)
slip		Serial Line IP for DG/UX 5.4
tex		TeX computer typesetting language (3.1)
timed		BSD time server protocol



Package	Contents	Description
tools1	agrep	Grep-like pattern matcher with approximate matching (1.0)
	calendar	calendar/reminder package
	cdecl	prints verbose descriptions of C declarations
	chown	BSD-style recursive chown
	clock	displays a large 4-digit, 12-hour clock on the user's screen
	cproto	generates C function prototypes
	ddd	double-speed dd (data dumper)
	f2c	Fortran to C translator
	fxref	Fortran 77 cross-reference generator
	gc	general purpose, garbage (memory) collecting storage allocator
	idledaemon	Killer of idle processes
	less	like more, but allows backward movement (170)
	microEmacs	Emacs-like text editor
	month	a visual monthly calendar and time/event browser (8.7)
tools2	p2c	Pascal to C translator
	patch	applies a diff file to an original (2.0)
	phone	phone another user, typing screen to screen
	pltags	generate vi tags for Prolog files
	sc	spread sheet (6.10)
	screen	screen manager with vt100/ansi terminal emulation
	shar	tools to make it easier to ship sources around
	tapecopy	a tool for tape-to-tape copies
	tn3270	3270 terminal emulation and login to IBM VM/CMS via TCP/IP (4.1.1)
xntp	Network time protocol	

## Environment

### Hardware

To determine the disk space requirements of the packages on this tape see the table in Organization section under Software Distribution. Note that many of the packages are quite large and if you do not create a separate logical disk for the packages you intend to load, you may inadvertently fill up another file system. The total disk space required for all packages is:

Directory	Size
/usr/opt/contrib	445,000 blocks
/usr/opt/docroff	2,000 blocks
/usr/opt/gnu/emacs	27,000 blocks
/usr/opt/imagen	24,000 blocks
<b>TOTAL</b>	<b>498,000 blocks</b>

Special printers or modems may be needed to run some of the programs provided.

## Software

In order to install, build and run the software contained on this tape, DG/UX 5.4 should be installed.

## Enhancements and Changes

Many binaries have been built under DG/UX 5.4 (Elf format). The source changes relative to the Revision 3.0 tape are:

### New Packages

- docroff
- lpad
- rc
- slip
- timed
- xntp

### Upgraded Packages

- X\_clients (X11 R4)
- X\_clients\_src (X11 R4)
- X\_misc (X11 R4)
- X\_misc\_src (X11 R4)
- X\_tk\_\* (X11 R4, these have been split out from X\_misc\_src)
- dbx (revision 3.6)
- emacs (revision 18.57.1)
- formatters (added mpage, nlistc)
- gcc\_src (revision 1.37.31)
- imagen (revision 3.0.2)
- news (C news)
- release (4.0 release notes)
- tex (revision 3.1)
- tools1 (added agrep, idledaemon; upgraded less)
- tools2 (upgraded pscal, sc, screen, shar)

## Unchanged Packages

bftp  
elm  
interpreters  
kermit  
musbus  
mush  
notes  
pbmplus  
rn

## Deleted Packages

demos (obsolete)  
libs (moved to GNU Toolset - model R028A).

# Notes and Warnings

## Notes

- It is suggested that you create a logical disk called **contrib** with a mount point of **/usr/opt/contrib**. You should determine the disk space requirements of the packages you wish to load and size your **contrib** logical disk accordingly.
- Most packages on this tape will be loaded into the **/usr/opt/contrib** directory. The exceptions are:
  - Emacs software is loaded into **/usr/opt/gnu/emacs**.
- All of the files on this tape are owned by **bin** and belong to group **bin**.
- The package images on the tape are in compressed tar format (see **compress(1)** and **tar(1)**). The **sysadm** utility will automatically uncompress these images when it loads these images.
- GNU software is now delivered via the GNU Toolset product (model R028A).

## Warnings

Make sure the /usr/opt/contrib file system is mounted before you begin loading packages or you may inadvertently fill up another file system.

- Some of the executables on this tape were built for DG/UX 5.4 and may not run correctly on previous revisions of the DG/UX operating system.
- The emacs software should not be loaded on top of a previous emacs distribution. Remove the contents of the old /usr/opt/gnu/emacs first.
- All software contained on this tape is unsupported.

## Documentation

All available documentation will be on-line in the directory where each package is installed. Most packages include a README file in the source directory. Certain documentation may contain additional contract terms and conditions binding on the user in addition to those imposed by Data General.

This release notice (085-600136-04) is the only printed documentation that is distributed with the contributed software.

## Software Distribution

The software on this tape is in source code format only (unless otherwise specified). You will need to build the executable(s) for each package using the included makefiles. Data General Corporation does not provide any support for these packages.

## Media

Model Number	Part Number	Description
R006A	079-600016-04	QIC cartridge tape (150 Mbyte)

## Organization

Tape organization for the contributed software tape is as follows:

Vol	File	Name	Size (bytes)	Type	Load Position
1	0	empty	36	image	
1	1	xdrtoc	6012	toc	
1	2	Options_uopt	1536	tarZ	/usr/opt
1	3	Notice_uopt	820224	tarZ	/usr/opt
1	4	bftp_uopt	40448	tarZ	/usr/opt
1	5	dbx_uopt	5006336	tarZ	/usr/opt
1	6	docroff_uopt	684032	tarZ	/usr/opt
1	7	elm_uopt	1628672	tarZ	/usr/opt
1	8	emacs_uopt	8724992	tarZ	/usr/opt
1	9	emacs_src_uopt	4846592	tarZ	/usr/opt
1	10	formatters_uopt	955392	tarZ	/usr/opt
1	11	gcc_src_uopt	8394752	tarZ	/usr/opt
1	12	imagen_r	4096	tarZ	/
1	13	imagen_uopt	1534976	tarZ	/usr/opt
1	14	imagen_src_uopt	10597376	tarZ	/usr/opt
1	15	interpreters_uopt	788480	tarZ	/usr/opt
1	16	kermit_uopt	5199872	tarZ	/usr/opt
1	17	lpad_uopt	62464	tarZ	/usr/opt
1	18	musbus_uopt	773632	tarZ	/usr/opt
1	19	mush_uopt	1741824	tarZ	/usr/opt
1	20	news_uopt	4511232	tarZ	/usr/opt
1	21	notes_uopt	1104896	tarZ	/usr/opt
1	22	pbmplus_uopt	2849792	tarZ	/usr/opt
1	23	rc_uopt	662528	tarZ	/usr/opt
1	24	rn_uopt	770048	tarZ	/usr/opt
1	25	slip_uopt	174592	tarZ	/usr/opt
1	26	tex_uopt	19072512	tarZ	/usr/opt
1	27	timed_uopt	173056	tarZ	/usr/opt
1	28	tools1_uopt	6594560	tarZ	/usr/opt
1	29	tools2_uopt	8404992	tarZ	/usr/opt
1	30	xntp_uopt	7447552	tarZ	/usr/opt
1	31	X_clients_uopt	15095296	tarZ	/usr/opt
1	32	X_clients_src_uopt	35172352	tarZ	/usr/opt
1	33	X_misc_uopt	17169408	tarZ	/usr/opt
1	34	X_misc_src_uopt	13651456	tarZ	/usr/opt
1	35	X_tk_InterViews_uopt	5629952	tarZ	/usr/opt
1	36	X_tk_XView_uopt	10535936	tarZ	/usr/opt
1	37	X_tk_Xcu_uopt	1346048	tarZ	/usr/opt
1	38	X_tk_Xw_uopt	3406848	tarZ	/usr/opt
1	39	X_tk_andrew_uopt	41468928	tarZ	/usr/opt
1	40	X_tk_clue_uopt	1414656	tarZ	/usr/opt
1	41	X_tk_serpent_uopt	4698112	tarZ	/usr/opt
1	42	X_tk_suit_uopt	2184192	tarZ	/usr/opt
1	43	X_tk_xgks_uopt	3899904	tarZ	/usr/opt

## File List

The list of files present on this tape can be found in the file */usr/opt/contrib/release/contrib\_sw\_4.0.fl* after the Notice package has been loaded.

## Installation Instructions

Most of the packages will be loaded into the */usr/opt/contrib* directory. It is suggested that you create a logical disk called *contrib* with a mount point of */usr/opt/contrib*. You should determine the disk space requirements of the packages you wish to load (see the Organization section under Software Distribution) and size your *contrib* logical disk accordingly. Make sure the */usr/opt/contrib* file system is mounted before you begin loading packages or you may inadvertently fill up another file system. Refer to *Installing and Managing the DGIUX System* for more information on creating logical disks and file systems.

In order to look at the table of contents and load the packages of the contributed software tape you will use the **Software -> Package** menu of *sysadm*.

## Displaying the Table of Contents of the Tape

To see the table of contents of the contributed software tape, use *sysadm*'s **Software -> Package -> List** operation.

## Loading Packages from the Tape

To load packages from the tape, use *sysadm*'s **Software -> Package -> Load** operation.

## Compiling the Packages

The packages on this tape which do not contain an executable will have a makefile. Some editing of the makefile and/or source code may be necessary in order for the source code to compile successfully in your environment.

## Imagen Hostsoft

The IMAGEN Hostsoft software is provided by QMS Corporation in source code form. DGC has included a sample binary installation of this software as the "imagen" package (the source code package is "imagen\_src"). You can install this using *sysadm*'s **Software -> Package -> Load** operation followed by the **Software -> Package -> Set up** operation. The software will be placed in */usr/opt/imagen*. Sample printer databases will be placed in */etc/imagen.db* and */etc/imagen.df*.

## Software Problems

This software is distributed with no warranty or support. No Software Trouble Reports (STR) may be submitted for problems found with the software included on this tape.

## Contributions

We welcome your contributions to Data General's Contributed Software collection. This tape is released with each major revision of the DG/UX operating system. Software that is distributed on this tape must be freely available for distribution to Data General customers. Data General must receive a completed Distribution Agreement before your software package is included in the next collection. Data General assumes no liability for misuse of the software.

Submitted packages must include the following components:

- Source code
- Make file(s)
- Executable(s)
- Man page (formatted)
- Legal authorization of public domain / free distribution status, including statements in the source code
- Release/installation notes (optional)

A copy of the contributed software submittal form is available in `/usr/opt/contrib/release/form.lp`. It is in lineprinter format.

Questions about the contributed software tape can be sent via electronic mail to:

`contrib@dg.com`

End of Release Notice

