

Release Notice:

DG/UX™ Documenter's Tool Kit (DTK) for AViiON™ Systems Revision 2.10

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This Release Notice applies to Models Q001A

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1. Introduction

This release notice describes the DG/UX Documenter's Tool Kit (DTK) product and its installation. In addition, this release notice provides information about revision 2.10 of DTK which is not available in other DTK documentation.

Between revisions, Data General may issue updates to the product. An update is essentially a partial release. This mechanism is intended to reduce the time needed to fix problems. Each update of a product supersedes the previous update.

Additional copies of this release notice can be printed. Use the `/usr/release/DTK_2.10.rn` file on your system. (See section 7.)

2. Product Description

DTK 2.10 is a set of text processing tools ported from AT&T Documenter's Workbench, revision 2.00. This includes support for 240 dot per inch resolution (with: `troff -Ti10`) on Imagen™ laser printers. Scaling capability (via the `-r 300` option of `di10(1)`) has also been added so that 240 dpi fonts can be used on the 300 dpi Imagen laser printers.

3. Environment

3.1 Hardware

These products may be installed and run on any approved AViiON™ configuration. The disk space required for DTK 2.10 is 4.4 Mb (megabytes) in the `/usr` file system.

Some form of hard copy output is highly recommended. This includes a line printer or DG Models 647x/648x laser printer for *nroff* output, and a DG Postscript™ printer or an Imagen laser printer for *troff* output. If a high-resolution print device other than a PostScript or an Imagen is desired for *troff* output, the user must supply a post-processor for that device.

3.2 Software

DTK 2.10 requires DG/UX Release 4.10 or later.

The PostScript postprocessor *tps* is available on the *Contributed Software for AViiON Systems* tape.

Other than the supplied *di10* Imagen *troff* postprocessor, the Imagen postprocessor *dimp* is available on the *Contributed Software for AViiON Systems* tape.

4. Enhancements and Changes

4.1 Enhancements

Data General has extended DTK to support *nroff* output on the DG Model 4557 and 4558 laser printers using the `-T455x` option for *nroff*. This supports bold and underlining in the output.

4.2 Changes

The DTK product has been modified and extended in several significant ways. These changes are outlined below.

- Discontinued/superseded Features

- `checkeq` superseded by new `checkmm`
 - `checknr` discontinued

- New Commands

- `grap` pic preprocessor for drawing graphs
 - `hyphen` locate hyphenated words (formerly part of DG/UX)
 - `macref` produce cross reference of macro files
 - `ndx` create a subject-page index for a document

ptx make permuted index (formerly part of DG/UX)
 subj generate list of subjects from a document

- Changes in macros

The compacted format for macros is no longer supported. Several commands including *mm(1)*, *nroff(1)*, and *troff(1)* have been modified as a result; on-line manual entries reflect these changes.

The ms macro package is now included with the release.

- Terminal description files

Terminal description files are now in ASCII format. Their new location, */usr/lib/nterm* instead of */usr/lib/term*, reflects the change in format. The on-line man entry, *nterm(5)*, gives more information. This is particularly important if you have created your own terminal description files in an older binary format and want to use them with DTK 2.10.

5. Notes and Warnings

The following notes are provided to help in the installation and maintenance of DTK on your system.

5.1 Notes

5.1.1 Directory Structure for DTK

The locations of various kinds of files in the revision 2.10 release are given to help in system administration. For a complete list of files see */usr/release/DTK_2.10.fl*.

<i>/usr/bin</i>	directory for commands
<i>/usr/catman/u_man</i>	user reference manual pages
<i>/usr/catman/u_man/man1</i>	manual entries for commands
<i>/usr/catman/p_man</i>	programmer reference manual pages
<i>/usr/catman/p_man/man5</i>	manual entries for file formats
<i>/usr/lib</i>	utilities, library files, fonts..
<i>/usr/lib/dtk/samples</i>	sample dtk input files
<i>/usr/lib/font/devi10</i>	troff font description files for i10
<i>/usr/lib/font/devi10/rasti10</i>	240 dpi raster files for i10
<i>/usr/lib/macros</i>	nroff and troff macro files
<i>/usr/lib/ms</i>	ms macros
<i>/usr/lib/nterm</i>	nroff device description files
<i>/usr/lib/tmac</i>	pointers to macros
<i>/usr/pub</i>	eqn/neqn character definition files
<i>/var/spool/lp/model</i>	lp printer interfaces
<i>/var/spool/lp/455x</i>	DG laser printer support

5.1.2 Printer Installation

If hard copy output is desired, one or more printers must be installed on your system. The hardware installation of printers under DG/UX should be conducted by qualified field engineers or system administrators. For help with hardware installation of Data General line printers and laser printers contact your Data General representative.

Consult the line printer management section of *Installing and Managing the DG/UX System* (093-701029-00) for details on the software installation of printers. Note that one printer may be used by multiple systems in a networked environment.

5.1.3 Portability of nroff output

It is recommended that *nroff(1)* output to be viewed on the screen use the default terminal type for nroff (-T37) and be piped through the *ul(1)* command. For example,

```
nroff -mm input.mm | ul
```

In the above example, formatted output from `input.mm` can be viewed on most terminal types with `ul`. On the other hand, if a specific terminal type is given to `nroff`, the output file may be suitable only for one kind of terminal.

5.1.4 Nroff pagination for printers

Some line printers do not support 66 lines per page, the default for `nroff`. If you are using the `mm` macros, you can shorten the page length with the `-rLn` option to `nroff(1)`. For example, use

```
nroff -mm -rL62 -Tlp input.mm | col > printfile
```

to format for a line printer with 62 lines-per-page.

5.1.5 Troff font options

There are two groups of fonts available by `troff(1)` `-T` option for use with Imagen laser printers, the `devi10` fonts which are part of DTK and the `devIMAGEN` fonts which come with HOSTSOFT. The HOSTSOFT software is available on the *Contributed Software for AViiON Systems* tape available from Data General.

The `devi10` fonts are the default for `troff(1)` if no `-T` option is given.

5.2 Warnings

5.2.1 Problems using col with nroff screen output

Output from the `nroff(1)` formatter should not be piped through `col(1)` if it is to be previewed on a terminal screen. The `col` filter is intended to handle reverse line feeds in printed output, but this can cause blanking of some characters when displayed on a terminal screen. Instead, use `col` only when printing.

6. Documentation

Printed manuals for DTK are available to supplement the on-line manual pages provided with the release. On-line manual pages are provided for DTK as part of the software installation process. They are optionally loadable as you will see when you are loading DTK from the release tape.

6.1 DTK Manuals

The following documentation is available for use with DTK:

069-701039-00 Using the Documenter's Tool Kit on the DG/UX System

069-701041-00 Documenter's Tool Kit Technical Summary for the DG/UX system

7. Software

7.1 Media

The DTK product set is distributed as part of DG/UX. See the DG/UX release notice for a description of media.

7.2 Organization

See the *Client/Server User's Package* or *Operating System User's Package* media notice for tape organization of DTK.

7.3 Files

The list of files that make up this release of DTK can be found in the file `/usr/release/DTK_2.10.fl` after the system is loaded.

8. Installation Instructions

The DTK product is optionally loadable from the *Client/Server User's Package* or *Operating System User's Package* tapes. See the DG/UX release notice and the *Installing and Managing the DG/UX System* manual for

information on **sysadm loadpackage**. The package to load is named **dtk**.

9. Preparing a Software Trouble Report (STR)

If you believe you have found an error in the DG/UX System or its documentation, or if you have a suggestion for enhancing or improving the product, use a Data General Software Trouble Report (STR) to communicate this to DG.

Refer to section 9 in *DG/UX for AViiON Systems Release 4.30* release notice for information on filing STR's.

--- End of Release Notice ---