Support Toolbox Manual

Chapter 1

Introduction

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A. Overview of the Support Toolbox

The SUPPORT toolbox is a collection of command-line utilities which we have found to be useful when developing and maintaining toolboxes and software objects.

This chapter presents a summary of the rest of the manual, and a manifest of all objects contained within the SUPPORT toolbox.

A.1. Support Manual Structure

The remainder of this manual is divided into 7 chapters, followed by a glossary, and index:

- □ Chapter 2, *Database Tools*, describes two tools which can be used to manipulate Khoros DBM databases. The kcms library uses DBM databases to hold information about toolbox and software objects.

- □ Chapter 3, *Documentation Tools*, describes utilities which provide automatic generation of documentation fragments, and manipulation of other documentation items.

- □ Chapter 4, *Editing Utilities*, covers two aids for editing, particularly in group environments.

- □ Chapter 5, *Object Distribution Tools*, describes four scripts which can be used to package and unpack toolboxes and software objects.

- □ Chapter 6, *Object Utilities*, covers tools for managing toolbox and software objects, which are analogous to UNIX utilities, such as grep(1) and find(1).

- □ Chapter 7, *Perl*, describes support for scripts written using the perl programming language.

B. Object Manifest

The following table lists all of the objects in the SUPPORT toolbox, and was generated using the kobjtable script, which is in SUPPORT:

```
% kobjtable -tb support -o manifest.tbl -title "SUPPORT toolbox Object Manifest"
```

SUPPORT toolbox Object Manifest

Category Subcategory	Operator	Description	Executable
Command Line Tools	Display DBM Contents	print contents of (ascii) DBM database	`kdbmcat`
Database Tools	Edit DBM Database	DBM database editor (ascii only)	`kdbmedit`
Command Line Tools	Doc To HTML	convert khoros documentation to HTML	`kdoc2html`
Documentation Tools	Generate Doc Dependencies	generate Makefile dependencies for a manual chapter	`kdocdepend`
	Generate Index	generate index for a toolbox manual	`kgentbindex`
	Generate Manpage	generate man page(s) for a software object	`kgenman`
	Generate Object Table	generate table of toolbox objects information	`kobjtable`
	Generate Table of Contents	generate table of contents for a manual	`kmkcontents`
	Generate Word Frequencies	generate word frequencies for documentation	`kwordfreq`
	Generate whatis	generate database of available manpages (whatis)	`kgenwhatis`
Command Line Tools	Locking Vi	provide locking for vi edits	`lockingvi`
Editing	No-Touch Vi	edit a file without changing the date on it	`ktvi`
Command Line Tools Multiple Architecture Tools	Build Shadow Tree	build shadow tree with soft-links	`klndir`
Command Line Tools	Check Checksums	check checksums created by kcrsum	`kcksum`
Object Distribution	Create Checksum File	creates a checksum file for object(s)	`kcrsum`
	Pack Object	pack up toolboxes or objects	`kpack`
	Unpack Object	unpack a pack file created by kpack	`kunpack`
Command Line Tools	Object Diff	compare the same object in two different toolboxes	`kdiffobj`
Object Utilities	Object Find	search for software objects in toolboxes	`kfindobj`
	Object Grep	grep for strings, routines or function in an object	`kgrepobj`
	Object Lint	check for toolbox and object integrity	`klint`
	Synchronize Object	synchronize object database and any caches	`ksync`
Perl Libraries	Khoros Perl Library	library of khoros perl routines	`khoros_pl`
	Perl Utility Routines	miscellaneous utility routines	`kutils_pl`

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