CedarChestCatalog.tioga
Doug Wyatt, July 23, 1987 6:26:46 pm PDT

CedarChest Package Catalog

Abstract: This catalog is a list of interesting packages and tools. The catalog is automatically created from the collection of maintainer-supplied entries.

XEROX

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Catalog Components

Abutters: [Cedar]<CedarChest7.0>Top>Abutters.df

Documentation: AbuttersDoc.Tioga

Keywords: Viewer, Container, Align, Constrain, Child

Abstract: Abutters are like Containers, except that they provide a richer set of alignment constraints.

ACFind: [Cedar]<CedarChest7.0>Top>ACFind.df

Created by: Dave Rumph

Maintained by: Dave <Rumph.pasa>, Intelnet 844-2818

Keywords: algorithms, finding algorithm, keywords, pattern matching, ROPE, search algorithm

Abstract: ACFind implements the Aho-Corasick algorithm for finding multiple keywords in a section of text in a single pass. The implementation builds and then uses a deterministic finite automaton (DFA), and so is quite fast, especially for many keywords or repeated searches for the same keywords. A client-supplied ActionProc is called for each instance of each keyword found. Keywords are supplied as a LIST OF ROPE, and the target text is in the form of a ROPE. The documentation may be found in the interface.

AIS: [Cedar]<CedarChest7.0>Top>AIS.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: AISDoc.tioga

Keywords: AIS format, images, scanned Images, sampled Images, pictures

Abstract: A client-level package for reading and writing AIS files. (AIS stands for Array of Intensity Samples).

AISSampleMaps: [Cedar]<CedarChest7.0>Top>AISSampleMaps.df

Created by: Eric Nickell

Maintained by: Eric <Nickell.pasa>

Documentation: AISSampleMapsDoc.tioga

Keywords: AIS format, images, scanned Images, sampled Images, pictures, Imager

Abstract: AISSampleMaps provide a client-callable bridge from AIS files to ImagerSample.SampleMaps.

AISTools: [Cedar]<CedarChest7.0>Top>AISTools.df

Created by: Mik Lamming

Maintained by: Mik Lamming

Documentation: AISToolsDoc.tioga, BuildTRCDoc.tioga, AISCopyDoc.tioga, AISToolsReleaseMessage.tioga

Keywords: image, graphics, AIS files, TRC

Commands: BuildTRC, ApplyTRC, AISCopy

Abstract: A bunch of tools for processing AIS files.

AlgebraStructures: [Cedar]<CedarChest7.0>Top>AlgebraStructures.df

Created by: Dennis Arnon

Maintained by: Dennis Arnon <Arnon.pa>

Documentation: AlgebraStructuresDoc.tioga, VaxScript.tioga

Keywords: Computer Algebra, Symbolic Mathematical Computation, Polynomials, Matrices, Object-Oriented Programming

Abstract: AlgebraStructures is an object-oriented package for building complex algebraic structures and computing with their elements. For example, one can quickly read in and do simple arithmetic on matrices of polynomials with complex number coefficients, or matrices of such matrices, *ad infinitum*.

AlpineAmbush: [Cedar]<CedarChest7.0>Top>AlpineAmbush.df

Created by: Eric Nickell

Maintained by: Eric <Nickell.pasa>

Keywords: Alpine, FS, Files

Commands: AlpineAmbush

Abstract: AlpineAmbush, when started on your workstation, will make alpine servers appear to function more like a local disk. Specifically, it allows you to edit files directly on that work surface. In some respects, AlpineAmbush provides similar functionality to AlpineFTP, but it does it in a very different way, namely, while AlpineFTP exports the STP protocol from the Alpine server which FS knows how to deal with in a sense (i.e. by dealing with entire files, and caching them locally, etc), AlpineAmbush fixes it so that the individual workstation and its clients know about page-level access to Alpine files.

AlpineBackup: [Cedar]<CedarChest7.0>Top>AlpineBackup.df

Created by: Jim Donahue

Maintained by: AlpineImplementors↑.pa

Documentation: AlpineBackupDoc.tioga

Keywords: Alpine, IFS, backup

Commands: AlpineBackup, AlpineRestore, AlpineVerify

Abstract: A package to backup the contents of Alpine servers to IFS's

AlpineServer: [Cedar]<CedarChest7.0>Top>AlpineServer.df

Created by: AlpineImplementors↑.pa

Maintained by: AlpineImplementors↑.pa

Documentation: AlpineServerDoc.tioga

Keywords: Alpine, Database, File Server, FTP, Page Level Access, RPC, Server, Transaction

Abstract: An Alpine Server provides file storage for client machines in the internet. Files are available using either the FTP protocol used by the IFSs, or an RPC protocol which delivers additional functionality: page level access and properly synchronized transactions.

AlpineShared: [Cedar]<CedarChest7.0>Top>AlpineShared.df

Created by: AlpineImplementors↑.pa

Maintained by: AlpineImplementors↑.pa

Keywords: Alpine

Abstract: Contains the files shared between the Alpine Client and Server components. Since the interfaces are publicly known in the Cedar release, we make the permanent home of these files the CedarChest release directory.

AlpineUser: [Cedar]<CedarChest7.0>Top>AlpineUser.df

Created by: AlpineImplementors↑.pa

Maintained by: AlpineImplementors↑.pa

Documentation: AlpineUserDoc.tioga, AlpineInterfaces.tioga

Keywords: Alpine

Abstract: Documentation for workstation clients of the Alpine File Server.

Applied3d: [Cedar]<CedarChest7.0>Top>Applied3d.df

Created by: Jules Bloomenthal

Maintained by: Jules Bloomenthal <Bloomenthal.pa>

Documentation: Applied3dDoc.Tioga

Keywords: geometry, three-dimensional, 3d, vectors, points, planes, lines, matrices, clipping, curves, splines

Commands: Applied3dHide, Applied3dVizer, Applied3dPolyModel

Abstract: This package provides an interface that applies the basic three-dimensional functions found in Geometry3d for the purposes of drawing, specifying, or printing various primitives. This package also provides a command to make a line drawing of a polygonal model.

ArchivistBTree: [Cedar]<CedarChest7.0>Top>ArchivistBTree.df

Created by: Tim Diebert

Maintained by: Tim Diebert <Diebert.pa>

Documentation: ArchivistBTreeDoc.tioga

Keywords: Cedar Archives

Abstract: This package contains procedures to access the Cedar Archivist BTree containing all of the names and places relating to the current archives.

Args: [Cedar]<CedarChest7.0>Top>Args.df

Created by: Jules Bloomenthal

Maintained by: Jules Bloomenthal <Bloomenthal.pa>

Documentation: ArgsDoc.Tioga

Keywords: Commands, arguments.

Abstract: This interface provides a number of procedures for parsing command-line arguments.

ArpaQuery: [Cedar]<CedarChest7.0>Top>ArpaQuery.df

Created by: John Larson

Maintained by: <JLarson.pa>

Documentation: ArpaQueryDoc.tioga

Keywords: Arpanet, RPC, Lupine, Database, Finger, Whois, Domain Name Service, TCP/IP

Commands: ArpaQueryServer, CheckArpaName, Whois, ArpaFinger

Abstract: This package allows Cedar users to query various useful Arpanet databases using RPC and the Arpanet mail gateway. This package provides access to the Whois database on SRI-NIC.ARPA, the distributed domain name database, and remote Finger data.

ArpaWatch: [Cedar]<CedarChest7.0>Top>ArpaWatch.df

Created by: Hal Murray

Maintained by: John Larson <JLarson.PA>

Documentation: ArpaWatchDoc.tioga

Keywords: ARP, ARPA, IP, ICMP, TCP, Ethernet, Monitoring

Commands: ArpaWatch

Abstract: ArpaWatch is a tool for watching packets on the ether from the Arpa protocol family.

Artwork: [Cedar]<CedarChest7.0>Top>Artwork.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: ArtworkDoc.tioga

Keywords: Tioga, printing, Interpress, artwork, rules, figures

Commands: Artwork, ArtworkInterpress

Abstract: Package for including and/or displaying artwork in tioga documents.

Asserting: [Cedar]<CedarChest7.0>Top>Asserting.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: AssertingDoc.tioga

Keywords: Property list, property, list, atom, key, value, relation, function, database

Abstract: Asserting provides a generalization of property lists toward relational databases.

AtomButtons: [Cedar]<CedarChest7.0>Top>AtomButtons.df

Created by: Eric Bier and Ken Pier

Maintained by: GargoyleImplementors↑.pa

Documentation: AtomButtonsDoc.tioga

Keywords: user interface, input handling, menus

Abstract: AtomButtons have replaced the standard Buttons, Labels, editable Text Viewers, TiogaButtons, and Choice buttons, in the new user interface architecture, of which Gargoyle is a first example. The chief idea behind the new architecture is that all user events, whether triggered by menus, mouse actions, or keystrokes should be encoded into a stream of tokens and handled uniformly. Using this interface style, all menu actions can be executed from the keyboard, if desired, by changing only the TIP table for the application. AtomButtons encourage this architecture by generating token streams, instead of calling a wild collection of procedures as the old buttons did. AtomButtons also provide a compact format for building several buttons at once, so building large control panels doesn't take so much code.

AtomButtons is being released at this time so that Solidviews can use it. AtomButtons should be ready for general consumption later in the year.

AutoBackUp: [Cedar]<CedarChest7.0>Top>AutoBackUp.df

Created by: Eric Nickell

Maintained by: Eric <Nickell.pasa>

Documentation: AutoBackUpDoc.tioga

Keywords: attachment, backup, DF file, file system, user profile, version management

Commands: AutoBackUp

Abstract: Allow a user profile entry to specify remote files to be automatically backed up. If a local file has an attachment to one of the files in this list, then a copy back out to the remote file will be made when Save is clicked in the Tioga viewer. Primary intended use: automatic backup of user profiles for public machines users.

BasicEnvironment: [Cedar]<CedarChest7.0>Top>BasicEnvironment.df

Benchmarks: [Cedar]<CedarChest7.0>Top>Benchmarks.df

Documentation: BenchmarksDoc.tioga, DhrystoneDoc.tioga, DhrystoneTable.tioga, WhetstoneDoc.tioga, PuzzleDoc.tioga, RichardsDoc.tioga, WhetstoneTable.tioga

Commands: CedarDhrystone, MesaDhrystone, InlineDhrystone, CedarWhetstone, CedarPuzzle, FastCedarPuzzle, CedarRichards, FastCedarRichards, MesaRichards, FastMesaRichards

BigCardinals: [Cedar]<CedarChest7.0>Top>BigCardinals.df

Documentation: BigCardinalsDoc.tioga

Keywords: Arithmetic, Multiple precision

Abstract: BigCardinals is a multiple-precision arithmetic package for non-negative integers.

BinCom: [Cedar]<CedarChest7.0>Top>BinCom.df

Created by: Michael Plass

Maintained by: <Plass.pa>

Documentation: BinComDoc.tioga

Keywords: binary, compare, file

Commands: BinCom

Abstract: A simple program to compare binary files.

BiScrollers: [Cedar]<CedarChest7.0>Top>BiScrollers.df

Documentation: BiScrollersDoc.Tioga

Keywords: Viewer, Scroll, Two-Dimensional, User Interface, Graphic, Screen, I/O

Abstract: BiScrollers are a subclass of Viewers that provide two-dimensional scrolling.

BootTool: [Cedar]<CedarChest7.0>Top>BootTool.df

Commands: Boot, BootTool

BravoToTioga: [Cedar]<CedarChest7.0>Top>BravoToTioga.df

Created by: Jim Morris

Maintained by: TiogaImplementors↑.pa

Documentation: BravoToTiogaDoc.tioga

Keywords: Bravo, Tioga, Conversion, Interchange

Commands: BravoToTioga

Abstract: BravoToTioga converts from bravo format files to tioga format files. Not all formatting comes through, but enough survives that the file will be recognizable.

Bridge: [Cedar]<CedarChest7.0>Top>Bridge.df

Created by: Alan Demers & Bill Jackson

Maintained by: Bill Jackson <BJackson>

Keywords: Unix, XNS, Cedar, Interoperability

Commands: Bridge

Abstract: * this stuff is still experimental, check with me (bj) *****
Bridge seems to be the most reliable, extensible, and maintainable system for building distributed applications where Unix hosts provide the computational cycles, and Xerox software systems (XDE, Cedar) provide the user interface. Bridge has proven its worth on parcvax and is currently the preferred method for interacting with Unix based applications from XDE. For this reason, we've built a Cedar version of Bridge in the hopes that it will provide a platform upon which we can construct tools for integrating our applications (such as the DATools) with Unix applications (such as Spice/Dracula).

BridgeSubmit: [Cedar]<CedarChest7.0>Top>BridgeSubmit.df

Created by: Christian Le Cocq

Maintained by: Christian Le Cocq <LeCocq.pa>

Documentation: BridgeSubmitDoc.tioga

Keywords: Bridge, Unix, remote,

Commands: Job

Abstract: BridgeSubmit is a small package which adds a layer of sugar on top of the various Bridge interfaces so that a submission of a remote Job to Unix becomes easy.

BufferedRefresh: [Cedar]<CedarChest7.0>Top>BufferedRefresh.df

Created by: Bier

Maintained by: <GargoyleImplementors↑.pa>

Documentation: BufferedRefreshDoc.tioga

Keywords: Bitmap, Refresh, Buffer, Animation, Cartoon

Abstract: Cartoonists draw scenes where some objects never move, some objects move one way, and some objects move another way. To avoid redrawing each frame from scratch, they paint picture parts on transparent layers that can be moved independently. Interactive systems like Gargoyle also profit by redrawing only the part of the scene that is moving.

BufferedRefresh provides the abstraction of a "sandwich" made up of layers, each of which has its own Imager.Context. The layers are drawn back to front. The user provides a procedure to refresh each layer, and indicates which layers should have their own backing bitmap. These "backed" layers are only redrawn when the client indicates that they are no longer OK.

CaminoReal: [Cedar]<CedarChest7.0>Top>CaminoReal.df

Created by: Dennis Arnon and Carl Waldspurger

Maintained by: Dennis Arnon <Arnon.pa>

Documentation: CaminoRealDoc.tioga, TiogaMathSample.tioga, Conics.tioga, Script.tioga, Mik.tioga, MikCompute.tioga, Own.tioga, Res.tioga, Res2.tioga, SantaCruzScript.tioga

Keywords: Math, Technical Documents, Math Editor, Mathematical Expressions, WYSIWYG, AlgebraStructures, Computer Algebra, Symbolic Mathematical Computation, Polynomials, Matrices

Commands: CaminoReal

Abstract: CaminoReal is an environment for several kinds of manipulations of mathematical expressions: (1) interactive, syntax-directed, two-dimensional, WYSIWYG editing, (2) insertion into a Tioga document, and (3) algebraic manipulation.

CardHashTableThreaded: [Cedar]<CedarChest7.0>Top>CardHashTableThreaded.df

CardTable: [Cedar]<CedarChest7.0>Top>CardTable.df

Cartoon: [Cedar]<CedarChest7.0>Top>Cartoon.df

Created by: Bill Jackson (credits to: Byran Yamamoto, Keith Marzullo and Alan Freier)

Maintained by: Bill Jackson <BJackson.pa>

Keywords: Cartoon, CartoonTool, CourierBinding, expanding ring broadcast, XNS, Sirocco

Abstract: Cartoon is a direct clone of Bryan Yamamoto's XDE Hack "CartoonTool". Besides being an interesting demo, CartoonTool uses a very interesting mechanism, CourierBinding, in order to locate a nearby server using a prototype expanding ring broadcast protocol. CourierBinding has seen its day, but served a useful purpose both in proving that the concept of location based resource binding was viable, and that mechanisms like this are implementable in a natural way. I invite you to take a look at the "Cartoon of the Day", by typing CartoonViewer at the commander (this is still a "hack", so don't be surprised if you ocassionally get errors).

CartoonViewer: [Cedar]<CedarChest7.0>Top>CartoonViewer.df

Created by: Bill Jackson (credits to: Byran Yamamoto, Keith Marzullo and Alan Freier)

Maintained by: Bill Jackson <BJackson.pa>

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Catalog: [Cedar]<CedarChest7.0>Top>Catalog.df

Created by: Richard J. Beach

Documentation: CatalogDoc.tioga

Keywords: catalog, documentation, software release

Commands: Catalog

Abstract: The Catalog command creates a catalog document of all the software packages contained in a software directory. The catalog describes each package and provides both a command index and a keyword index to the packages. Typically, a catalog is created from a Cedar released-software directory or the CedarChest software directory. However, a catalog can be created from any directory that conforms to the software naming conventions used in Cedar releases.

CedarChestRelease: [Cedar]<CedarChest7.0>Top>CedarChestRelease.df

Documentation: ConversionDoc.tioga, CedarChestDoc.tioga, CedarChestCatalog.tioga, CedarChest.depends

CedarExamples: [Cedar]<CedarChest7.0>Top>CedarExamples.df

Documentation: CedarExamplesDoc.Tioga

Commands: SampleTool, Calculate, ReverseName

Abstract: This section contains a set of examples of Cedar programs for your reading pleasure. These are actual programs that can be run, used as parts of other programs, or treated as templates to be edited into new programs with similar structures.

This memo is probably out of date if it is in hardcopy form. It documents Release 7.0 of Cedar. May 1986.

[If you are reading this document on-line in Cedar, try using the Tioga Levels and Lines menus to browse through the top few levels of its structure before reading it straight through.]

CedarSyntax: [Cedar]<CedarChest7.0>Top>CedarSyntax.df

Created by: Doug Wyatt

Maintained by: Doug Wyatt <Wyatt.pa>

Documentation: CedarSyntaxDoc.tioga, CedarSyntax.tioga, Cedar.grammar

Keywords: language, syntax, grammar

Abstract: This is a concise summary of the syntax of the Cedar language. If you're viewing it with Tioga, you can select a nonterminal and middle-click "Def" to walk around in it. CedarSyntax.tioga contains the same information, but just fits on one (two-sided) page. Cedar.grammar contains the syntax tables actually used by the Cedar compiler.

Celtics: [Cedar]<CedarChest7.0>Top>Celtics.df

Created by: Russ Atkinson

Maintained by: Russ Atkinson <Atkinson.pa>

Documentation: CelticsDoc.tioga

Keywords: debugging, performance, performance measurement, programming tools

Commands: BreakTool, Celtics

Abstract: BreakTool is an experimental package that supports various fancy breakpoint facilities, including conditional breakpoints and logging of execution traces. Celtics is a package that can be used to count how many times control passes through given points in the system.

Chat: [Cedar]<CedarChest7.0>Top>Chat.df

Documentation: ChatDoc.Tioga

Commands: Chat

ChatCommands: [Cedar]<CedarChest7.0>Top>ChatCommands.df

Created by: Eric Nickell

Maintained by: Eric Nickell <Nickell.pasa>

Documentation: ChatCommandsDoc.tioga

Keywords: CommandTool, Telnet, Pup, Chat

Commands: ChatCommands

Abstract: ChatCommands can be run on a Cedar machine to provide to Pup users a Cedar Command Tool. Its primary use is (1) to provide (appropriately restricted) remote access to server machines, (2) to provide Dorado computing power to DLion users for tasks which are not Summonable (yet), and (3) to provide some Cedar capabilities to user's who are on non-Cedar, but Pup-type, machines.

Checksummer: [Cedar]<CedarChest7.0>Top>Checksummer.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: ChecksummerDoc.tioga

Keywords: Checksum, File

Commands: Checksummer

Abstract: Checksummer computes the checksum of a set of files. With some help from Waterlily, it can be used to locate mashed files on file servers holding secondary copies.

ChessHack: [Cedar]<CedarChest7.0>Top>ChessHack.df

Created by: Russ Atkinson

Maintained by: Russ Atkinson <Atkinson.pa>

Documentation: ChessHackDoc.tioga

Keywords: chess

Commands: ChessHack

Abstract: ChessHack is a simple chess playing program that plays a beginner's level of chess at moderate speed. ChessHack is also a useful tool for browsing in chess games.

CircularGarbage: [Cedar]<CedarChest7.0>Top>CircularGarbage.df

Created by: Bob Hagmann

Maintained by: Hagmann.pa

Documentation: CircularGarbageDoc.tioga

Keywords: garbage collection, memory allocation, performance measurement

Abstract: This program is a modification of the trace and sweep program to find circular data structures that are unreferenced except from within themselves.

CKViewer: [Cedar]<CedarChest7.0>Top>CKViewer.df

Created by: Ken Pier

Maintained by: Ken Pier <Pier.pa>

Documentation: CKViewerDoc.tioga

Keywords: color display, hardware testing, flash

Commands: CKViewer

Abstract: Cedar version of ColorKinetic, used for exercising color display systems, with enhancements for testing and debugging color tables. Assumes it owns the color display. Color viewer windows should NOT be on when using CKViewer.

Clock: [Cedar]<CedarChest7.0>Top>Clock.df

Commands: Clock

CmdTest: [Cedar]<CedarChest7.0>Top>CmdTest.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: CmdTestDoc.Tioga

Keywords: Command Tool, Command, CommandProc, Result, Message, Command result, Command message, Debug

Commands: Answerback, ShowResult, ResultOf

Abstract: Provides some commands useful for debugging the return values of other commands, and for debugging what happens to those returned values.

CodeTimer: [Cedar]<CedarChest7.0>Top>CodeTimer.df

Created by: Bier

Maintained by: <GargoyleImplementors↑.pa>

Documentation: CodeTimerDoc.tioga

Keywords: Time, Performance, Instrumentation, Interval

Abstract: Whereas Spy can tell you what fractions of the CPU time spent between line A and line B went to which routines, CodeTimer tells you how long it took to get from A to B. Together, they tell you what to fix and how well you did. To use CodeTimer you add a procedure StartInterval before line A, and StopInterval after line B. CodeTimer maintains several tables of named intervals (e.g. one per application). For each interval, it remembers the minimum, maximum, and average time taken to execute that interval since the last time the interval counter was reset. StartInterval and StopInterval commands are intended to be fast enough that you can leave them in your code. Currently CodeTimer prints the statistics onto a STREAM in human readable format. If there is a demand, I will add procedures to query the intervals procedurally.

ColorDisplay: [Cedar]<CedarChest7.0>Top>ColorDisplay.df

Created by: Mik Lamming, Ken Pier

Maintained by: Tim Diebert <Diebert.pa>

Documentation: ColorDisplayDoc.tioga

Keywords: color display, display, machine profile, user profile

Commands: CDisplay, ColorDisplayModeBlackAndWhite, ColorDisplayModeDither1, ColorDisplayModeDither2, ColorDisplayModeDither4, ColorDisplayModeDither8, ColorDisplayModeFullColor, ColorDisplayModeGray2, ColorDisplayModeGray4, ColorDisplayModeGray8, ColorDisplayModeSmoothFullColor, ColorDisplayModeSmoothGray8, ColorDisplayModeSmoothGray4, ColorDisplayModeSmoothRed8, ColorDisplayModeSmoothGreen8, ColorDisplayModeSmoothBlue8, ColorDisplayModeHighResolution, ColorDisplayModeLeft, ColorDisplayModeLowResolution, ColorDisplayModeRight, ColorDisplayModeOff, ColorDisplayModeFile

Abstract: Provides ~~both a client interface and~~ user interfaces ~~(command and tool)~~ for controlling the state of the color display.

ColorMaps: [Cedar]<CedarChest7.0>Top>ColorMaps.df

Created by: Christian Jacobi

Maintained by: Christian Jacobi <Jacobi.pa>

Documentation: ColorMapsDoc.tioga

Keywords: Color display, color maps

Commands: ColorMaps

Abstract: Interactively set up the color display for different modes and color maps. Read or create color map files.

ColorRegistry: [Cedar]<CedarChest7.0>Top>ColorRegistry.df

Created by: Maureen Stone

Maintained by: Maureen Stone <Stone.pa>

Documentation: ColorRegistryDoc.tioga

Keywords: Color, Functional Color, Imager, Interpress

Abstract: A *registered color* is a special color whose behavior cannot easily be defined using a color model. Registered colors are specified using a hierarchical name, such as "Xerox/Research/Distinct/Blue". Clients generate these colors by calling ImagerColor.Find, or in Interpress, FINDCOLOR, with the name as a parameter. The ColorRegistry is a centralized repository for the implementations of these colors.

ColorSchemeViewer: [Cedar]<CedarChest7.0>Top>ColorSchemeViewer.df

Created by: Maureen Stone

Maintained by: Maureen Stone <Stone.pa>

Documentation: ColorSchemeViewerDoc.tioga

Keywords: viewers, color systesm

Abstract: A color scheme viewer is a viewer class suitable for providing an interface to a three dimensional, continuous color system or any other similar system. The Viewer class implements a container with three sliders, three editable text viewers, a Set button, which sets the value of the viewer from the value in the text sliders, and a label. The viewer will automatically format itself as a function of size (within reasonable limits)

ColorTool: [Cedar]<CedarChest7.0>Top>ColorTool.df

Created by: Maureen Stone

Maintained by: Maureen Stone <Stone.pa>

Documentation: ColorToolDoc.tioga

Keywords: color, color spaces, color specification

Commands: ColorTool

Abstract: The ColorTool allows one to manipulate the color of a patch using any or all of a variety of color systems. The ColorTool is valuable for experimenting and learning about

the various color schemes and how they interrelate to one another. A client interface is provided so that illustrators might use the ColorTool for color specification by a user.

ColorTrix: [Cedar]<CedarChest7.0>Top>ColorTrix.df

Documentation: ColorTrixDoc.tioga

Keywords: color display, color map, frame buffer.

Commands: Ct, Cm, ColorTrix, ColorTrixMap

Abstract: A collection of programs and interfaces are provided. The programs emphasize interactivity through the command tool. The color display is treated simply as a frame buffer, with no regard to the placement of viewers on the display.

Created and Maintained by: Bloomenthal.pa

ColumnLs: [Cedar]<CedarChest7.0>Top>ColumnLs.df

Documentation: ColumnLsDoc.tioga

Keywords: columnation, ls, list, filename, directory

Commands: Ls, ColumnLs

Abstract: ColumnLs (Ls) lists files and subdirectories of a given directory in column form.

Created and Maintained by: Bloomenthal.pa

Combiner: [Cedar]<CedarChest7.0>Top>Combiner.df

Documentation: CombinerDoc.tioga

Keywords: computational geometry, convex decomposition, polygons

Abstract: The Combiner maintains a database of non-overlapping regions in the plane, with each of which some client-specified data is associated. The intended usage is to merge a succession of new convex polygons ("brushstrokes"), each with its own client data, into the database. Such merges involve two steps: first, the geometry of the new polygon is merged with that of the existing database (edge intersections are computed), resulting in a new database; second, the (previous) data of each polygon in the database that was "touched" by the input brush is combined with the brush's data, according to client-specified rules.

CommanderPriority: [Cedar]<CedarChest7.0>Top>CommanderPriority.df

Created by: Bob Hagmann

Maintained by: Bob Hagmann <Hagmann.pa>

Documentation: CommanderPriorityDoc.tioga

Keywords: CPU priority

Commands: CommanderPriority

Abstract: Set the CPU priority of a CommandTool via buttons. The priority change is done almost immediately; it does not wait until the end of the current command.

CommandToolProcedures: [Cedar]<CedarChest7.0>Top>CommandToolProcedures.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: CommandToolProceduresDoc.tioga

Keywords: Command, Command Tool, Interpreter, Function, Procedure, Print, Execute, STREAM, stdin, stdout, stderr

Abstract: CommandToolProcedures adds some interpreter procedures that are useful to invoke from a command tool (and maybe an interpreter tool too!): &cmd (execute command in command tool), &stdin, &stdout, &stderr (get streams from command tool), and &printRope (print on command tool).

Compare: [Cedar]<CedarChest7.0>Top>Compare.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: CompareDoc.Tioga

Keywords: compare files, differences, file compare

Commands: Compare

Abstract: Compare does a byte by byte compare of two sets of files.

ComputeWorkingSet: [Cedar]<CedarChest7.0>Top>ComputeWorkingSet.df

Created by: Bob Hagmann

Maintained by: Bob Hagmann <Hagmann.pa>

Documentation: ComputeWorkingSetDoc.tioga

Keywords: Working Set

Commands: ComputeWorkingSet

Abstract: Compute an approximation of the working set for a running system.

Contours: [Cedar]<CedarChest7.0>Top>Contours.df

Documentation: ContoursDoc.tioga

Keywords: contour, two-dimensional, pointset.

Commands: ContoursInterpolate, ContoursSimilar

Abstract: This software permits the creation and modification of two-dimensional contours.

Created and Maintained by: Bloomenthal.pa

Controls: [Cedar]<CedarChest7.0>Top>Controls.df

Created by: Jules Bloomenthal

Maintained by: Jules Bloomenthal <Bloomenthal.pa>

Documentation: ControlsDoc.Tioga

Keywords: Controls, sliders, dials, functions, contours, sketches, viewers, interaction.

Commands: ControlsTest, ControlsVernier

Abstract: An interface is provided for the creation of menu buttons, vertical or horizontal sliders, circular dials, a typescript, functions, and a graphics display within a viewer. Placement and sizing of these is semi-automatic. Attention has been paid to ease of interaction. A test program is provided to demonstrate some of the control capabilities.

Cookie: [Cedar]<CedarChest7.0>Top>Cookie.df

Documentation: CookieDoc.Tioga

Keywords: Fortune, Cookie, Saying, Addage, Do It, Quote, Snippet, Command

Commands: Cookie

Abstract: Cookie provides fortune cookies

CopyFromVersionMap: [Cedar]<CedarChest7.0>Top>CopyFromVersionMap.df

Created by: Russ Atkinson

Maintained by: Russ <Atkinson.pa>

Documentation: CopyFromVersionMapDoc.tioga

Keywords: copy, version map

Commands: CopyFromVersionMap

Abstract: CopyFromVersionMap allows a user to setup a local subdirectory using a pair of version maps (one for source, one for symbols) such that all of the files listed in the version maps have local attachments in that subdirectory.

CourierBinding: [Cedar]<CedarChest7.0>Top>CourierBinding.df

Created by: Bill Jackson

Maintained by: Bill Jackson <BJackson.pa>

Documentation: CourierBindingDoc.Tioga

Keywords: Courier, Ring Broadcast, Binding, Networking, XNS, Clearinghouse

Abstract: CourierBinding is a variation of the binding protocol used by XNS Authentication and the Clearinghouse. Alan Freier and Keith Marzullo made an initial attempt to come us with a protocol of general utility for locating a *nearby* resource. This is variant number 1, and it's sole claim for immortaility is that it has been used in some mesa applications, most notibly, CartoonTool (and possibly a version of Fetch/Jasmine). I always thought it was a kinda neat idea, and given that we're building XNS internals, I tried this as an experiment to measure the flexibility of Alan Demers code. Needless to say, it works... You can try it out by playing with "Cartoon"

CubicSplinePackage: [Cedar]<CedarChest7.0>Top>CubicSplinePackage.df

Created by: Maureen Stone

Maintained by: Maureen Stone <Stone.pa>

Documentation: CubicSplinePackageDoc.tioga

Keywords: splines, cubics

Abstract: A collection of 2-D cubic spline routines. Supports all the curve types in Griffin. Cubic2 replaces CGCubic as a set of simple routines for dealing with parametric cubics.

Cursory: [Cedar]<CedarChest7.0>Top>Cursory.df

Maintained by: Frank Crow <Crow.pa>

Documentation: CursoryDoc.tioga

Keywords: mouse, cursor, user interface

Abstract: A place for cursors to hang their hacks.

Cypress: [Cedar]<CedarChest7.0>Top>Cypress.df

Documentation: CypressDoc.tioga, CypressFig1.griffin, CypressFig2.griffin, CypressFig3.griffin, CypressFig4.griffin, CypressFig5.griffin, CypressFig6.griffin

Abstract: This document describes the Cypress system, and is aimed at potential writers of database applications in the Cedar programming environment. It should be accurate as of the date above, and is recommended as better documentation than CSL Report 83-4, from which it was derived. Suggestions are welcomed on both the design of Cypress and its exposition in this document. We will assume little knowledge of database systems, and little knowledge of Cedar. We will not explain the motivation for this particular design of Cypress; see the CSL Report for that. You should also consult the documentation for database tools not described here; see a database wizard for details.

DBIcons: [Cedar]<CedarChest7.0>Top>DBIcons.df

Commands: OpenIconDB

DBTools: [Cedar]<CedarChest7.0>Top>DBTools.df

Commands: OpenToolDB

DebuggingWorld: [Cedar]<CedarChest7.0>Top>DebuggingWorld.df

Created by: Doug Wyatt

Maintained by: Doug Wyatt <Wyatt.pa>, Polle Zellweger <PolleZ.pa>

Documentation: DebuggingWorldDoc.tioga

Keywords: debugging, Imager, Viewers, Tioga, virtual terminal

Abstract: The DebuggingWorld configuration allows Cedar implementors to debug the lower levels of the Cedar user interface (Imager, Viewers, Tioga) by using another virtual terminal on the same machine rather than the teledebugger. It can also be useful when debugging other packages that communicate intimately with Viewers, Tioga, and friends and might cause them to lock up.

Dependencies: [Cedar]<CedarChest7.0>Top>Dependencies.df

Commands: Dependencies

DeskTops: [Cedar]<CedarChest7.0>Top>DeskTops.df

Created by: Russ Atkinson & Peter Kessler

Maintained by: Peter Kessler <PeterKessler.pa>

Documentation: DeskTopsDoc.tioga

Keywords: virtual desktops, Viewers

Commands: DeskTop, ReadDesktop, WriteDesktop

Abstract: DeskTops are a means for creating several "virtual desktops," each of which appears to be the normal desktop provided by Viewers. DeskTops also provide the Clean button, which cleans off excess icons into a Most Recently Used list. DeskTops formerly resided as part of the Viewers package in the Cedar release. The additional commander operations of ReadDesktop & WriteDesktop are provided for having desktops be persistent in the face of boot/rollback cycles.

DFCaching: [Cedar]<CedarChest7.0>Top>DFCaching.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: DFCachingDoc.Tioga

Keywords: DF File, BringOver

Commands: QuickBringOver, QBO

Abstract: DFCaching implements BringOver, but with optional caching. A cached BringOver remembers what it's already BroughtOver and avoids working on it again.

DFCommandsExtras: [Cedar]<CedarChest7.0>Top>DFCommandsExtras.df

Documentation: DFCommandsExtrasDoc.tioga

Keywords: DFCommands, DFCommandsExtras, BringOver, BringEnvironment, DF files, Environment, CedarChest

Commands: BringEnvironment

Abstract: DFCommandsExtras provides two commands: BringEnvironment and QuickBringOver. BringEnvironment makes attachments in the standard Command directory to the files listed in Environment.df. QuickBringOver makes attachments in the current directory to given DF files. Switches provide some more functionnality.

DFDependencies: [Cedar]<CedarChest7.0>Top>DFDependencies.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: DFDependenciesDoc.Tioga

Keywords: DF File, Dependencies, Bringover, SModel, Verify, MakeDo

Commands: Update

Abstract: DFDependencies determines the dependency graph between a set of DF-files, and can update all the clients of a given DF-file.

DFIncludes: [Cedar]<CedarChest7.0>Top>DFIncludes.df

Commands: DFIncludes

DFPackageExtras: [Cedar]<CedarChest7.0>Top>DFPackageExtras.df

Created by: Bertrand Serlet

Maintained by: Bertrand Serlet <Serlet.pa>

Keywords: DFPackage, DF files, DF Closure

Abstract: DFPackageExtras defines a function *DFUtilitiesExtras.ParseFromFile*. ParseFromFile is very similar to DFUtilities.ParseFromStream, and has the same semantics when parsing a DF file, but caches the result of parsing. ParseFromFile is therefore much more time-efficient when DF files are enumerated several times. Ultimately, DFUtilitiesExtras should be merged in DFUtilities. DFPackageExtras also provide a DFClosure enumeration, that caches the DF files enumerated, so that they are only seen once.

DFTool: [Cedar]<CedarChest7.0>Top>DFTool.df

Documentation: DFToolDoc.tioga

Commands: DFTool, DeleteDFTools

Abstract: This documentation describes the Cedar DF Tool, that handles DF files.

DicentraRS232CAsync: [Cedar]<CedarChest7.0>Top>DicentraRS232CAsync.df

Created by: Tim Diebert

Maintained by: Tim Diebert <Diebert.pa>

Documentation: DicentraRS232CAsyncDoc.tioga

Keywords: RS232, Dicentra

Abstract: This interface provides access to an RS232C port attached to a Dicentra. It provides the user with a stream oriented path to the device.

DirectoryList: [Cedar]<CedarChest7.0>Top>DirectoryList.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: DirectoryListDoc.tioga

Keywords: directory, subdirectory, dir, subdir, files

Commands: Dir, SubDir

Abstract: Commands for quickly listing the subdirectory structure of the local disk.

DiskTool: [Cedar]<CedarChest7.0>Top>DiskTool.df

Created by: Willie-Sue, Russ Atkinson

Maintained by: Willie-Sue <Willie-Sue.pa>

Documentation: DiskToolDoc.tioga

Keywords: Disk

Abstract: Program for investigating/patching raw disk pages (wizards only).

Documentation: [Cedar]<CedarChest7.0>Top>Documentation.df

Created by: Who knows?

Maintained by: A bunch of people <CedarSupport↑.pa>

Documentation: DocumentationDoc.Tioga, Copyright.tioga, ManualContents.tioga, BriefingBlurb.tioga, Glossary.tioga, Introduction.tioga, HowToUseAPublicCedarMachine.tioga, OverviewDoc.tioga, CedarProgramStyle.tioga, StyleSheet.sil, DoradoBooting.tioga, DiskErrorRecovery.tioga, PseudoServerDoc.Tioga, ExternalMail.tioga, NoviceUserProfile.Tioga, NoviceHome.DFTemplate, StandardUserRoot.DFTemplate, StandardUserVSystem.DFTemplate, StandardUserHome.DFTemplate, StandardUserHomeV.DFTemplate, StandardUser.Profile, StandardUser-Private.MachineProfile, StandardUser-LoginWork.cm, StandardUser-SetupCommandTool.cm, StandardUser-PrivateBoot.cm, StandardUser-STPServer.readAccess

Keywords: Cedar, Documentation, Help

Abstract: The Documentation DF file collects a bunch of random pieces of Cedar documentation.

DoradoInfo: [Cedar]<CedarChest7.0>Top>DoradoInfo.df

Documentation: DoradoInfo.tioga

Draw2d: [Cedar]<CedarChest7.0>Top>Draw2d.df

Created by: Jules Bloomenthal and Michael Plass

Maintained by: Jules Bloomenthal <Bloomenthal.pa>

Documentation: Draw2dDoc.Tioga

Keywords: 2D, Imager, Context, LineDrawing, Arrows, Squares.

Commands: Draw2dTest

Abstract: An interface is provided for drawing lines and marking points in an Imager context.

du: [Cedar]<CedarChest7.0>Top>du.df

Created by: Bob Hagmann

Maintained by: Bob Hagmann <Hagmann.pa>

Documentation: duDoc.tioga

Keywords: File usage

Commands: du

Abstract: *du* (Disk Usage) gives the number of pages used by each directory in a file system. All directories are considered and recursively processed. Totals are accumulated from subdirectories into their parents. Files in the cache are treated as having directories. Within a directory, the subdirectories are printed ordered by size.

Dunn: [Cedar]<CedarChest7.0>Top>Dunn.df

Documentation: DunnDoc.tioga

Keywords: Dunn, animation, film recorder, camera

Commands: DunnSnap

Abstract: Dunn is a package of software callable procedures and a user program to provide software control of the Dunn Instruments 632 film recorder. This film recorder uses a high quality internal monitor to expose each color primary separately for maximal color presentation. 35mm recording is done with a Yashica camera, 16mm with a Bolex. The quality of the recorded images is sufficient for presentation to large audiences.

Created and Maintained by: Bloomenthal.pa

DunnCalibration: [Cedar]<CedarChest7.0>Top>DunnCalibration.df

Created by: Mik Lamming

Maintained by: Mik Lamming <Lamming.pa>

Documentation: DunnCalibrationDoc.tioga

Keywords: Dunn Camera, Calibration

Abstract: These are bits of JaM code to help Imaging wizards calibrate the Dunn Camera. They are of no interest to anyone else. There is no further documentation.

EditorComforts: [Cedar]<CedarChest7.0>Top>EditorComforts.df

Created by: Russ Atkinson, Warren Teitelman

Maintained by: Russ Atkinson <Atkinson.pa>

Documentation: EditorComfortsDoc.tioga

Keywords: abbreviations, programming tools, Tioga extensions, user profile

Abstract: This document describes a collection of facilities that generally fall under the category of creature comforts: they are not essential, but they make life more pleasant. These facilities are enabled by installing EditorComforts, e.g. by including the command "Install EditorComforts" in your CommandTool.NewUser user profile entry. In addition, some of the facilities can be parameterized, or disabled, via various user profile entries described below.

EncryptTool: [Cedar]<CedarChest7.0>Top>EncryptTool.df

Documentation: EncryptToolDoc.tioga

Keywords: Cyphers, DES algorithm, Encryption, Security

Commands: EncryptTool

Abstract: EncryptTool includes an Encrypt programming interface and an EncryptTool viewer-based tool to perform DES encryption/decryption on entire files or Tioga selections.

EndianDebug: [Cedar]<CedarChest7.0>Top>EndianDebug.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: EndianDebugDoc.tioga

Keywords: Endian, debugging

Abstract: Simple debugging aids for printing word swapped 32 bit numbers

Environment: [Cedar]<CedarChest7.0>Top>Environment.df

EtherLoad: [Cedar]<CedarChest7.0>Top>EtherLoad.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: EtherLoadDoc.tioga

Keywords: Ethernet, Load, Graph

Commands: EtherLoad

Abstract: EtherLoad displays a bar graph of the ethernet activity

EtherWatch: [Cedar]<CedarChest7.0>Top>EtherWatch.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.pa>

Documentation: EtherWatchDoc.tioga

Keywords: Communications, Ethernet

Commands: EtherWatch

Abstract: EtherWatch is a tool for observing raw packets on an Ethernet.

ExamineStorage: [Cedar]<CedarChest7.0>Top>ExamineStorage.df

Created by: Russ Atkinson

Maintained by: Russ Atkinson <Atkinson.pa>

Documentation: ExamineStorageDoc.tioga

Keywords: heap storage, reference

Commands: FindBadGuys, TakeHeapStats, FindCyclicTypes, ValidateHeap, AutoReclaimFreePages, ForceReclaimFreePages

Abstract: Many programs can squander storage without presenting any obvious symptoms to the user. ExamineStorage.bcd provides commands and procedures to aid the user in examining Cedar heap storage usage. ReclaimFreePages provides commands to reclaim free pages from the SafeStorage heap.

ExecHacks: [Cedar]<CedarChest7.0>Top>ExecHacks.df

Maintained by: Michael Plass <Plass.pa>

Documentation: ExecHacksDoc.tioga

Keywords: binder, compiler, command file, DF files, DWIM, EditorComforts, programming tools, user profile

Commands: ExecHacks

Abstract: ExecHacks adds some handy menu buttons to CommandTool viewers: "DoIt" and "Redo". "DoIt" deduces a filename from the selection, and depending on the extension executes some interesting command: for .Mesa files, it compiles; for .DF files it SModels and VerifiesDF, etc. "Redo" performs two functions. Left-clicking or middle-clicking "Redo" will replay the command currently pointed to. Right-clicking "Redo" will list the last 10 commands issued to the CommandTool, with duplicates removed. ExecHacks also registers two commands. "Redo <string>" re-executes the most recent command beginning with "<string>". "History -d 10" does the same thing as right buttoning "Redo". Finally, ExecHacks modifies the "Save" button on tioga viewers, so that right-clicking Save will save the file and DoIt, depending on the extension of the file.

ExpungeOpens: [Cedar]<CedarChest7.0>Top>ExpungeOpens.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: ExpungeOpensDoc.tioga

Keywords: prettyprint, OPEN, programming style

Commands: ExpungeOpens

Abstract: Command for expanding unnamed OPEN statements in Cedar programs, and prettyprinting them.

FastMouse: [Cedar]<CedarChest7.0>Top>FastMouse.df

Maintained by: Frank Crow <Crow.pa>

Documentation: FastMouseDoc.tioga

Keywords: cursor, mouse, tuning, user interface, user profile

Commands: FastMouse

Abstract: A cursor accelerator for those who like to minimize arm motion.

Ferret: [Cedar]<CedarChest7.0>Top>Ferret.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: FerretDoc.Tioga

Keywords: IFS, Reload, Files, Rescue

Commands: Ferret

Abstract: Ferret is a Command to find interesting files in your FS Cache after an IFS gets reloaded and *forgets* the truth.

Fig: [Cedar]<CedarChest7.0>Top>Fig.df

Created by: Joan Feigenbaum

Maintained by: Dan Greene <Greene.pa>

Documentation: FigDoc.tioga

Keywords: encryption, mail, walnut

Commands: Fig

Abstract: A primitive encrypted-mail program that runs under walnut.

FileCmds: [Cedar]<CedarChest7.0>Top>FileCmds.df

Documentation: FileCmdsDoc.Tioga

Keywords: File, Set, Pattern, Enumeration, DF-File, Command, List, Directory, Delete, Archive, Retrieve, Message, Version Map, Walnut

Commands: CmdPerFile, CmdAllFiles, ListFileSet, lfs, DeleteFileSet, dfs, ArchiveFileSet, afs, RetrieveFileSet, rfs

Abstract: FileCmds provides command-tool commands for computing and operating on sets of files.

FileSpecification: [Cedar]<CedarChest7.0>Top>FileSpecification.df

Created by: Eric Nickell

Maintained by: Eric <Nickell.pasa>

Documentation: FileSpecificationDoc.tioga

Keywords: keyword1, keyword2, ... 6

Commands: ListSet

Abstract: FileSpecification is an attempt to providate a standard way to talk about groups of files

FileStreamTest: [Cedar]<CedarChest7.0>Top>FileStreamTest.df

FileUtil: [Cedar]<CedarChest7.0>Top>FileUtil.df

Created by: Bob Hagmann

Maintained by: Hagmann.pa

Documentation: FileUtilDoc.tioga

Keywords: File Package Utilities, VAM

Commands: VAMStats, ComputeVAM, DeleteOrphanPages

Abstract: This package does some File system maintence. All these commands will be of interest to experts only. You can compute and print the VAM from the file headers, force the VAM to match the file headers, or scan the disk looking for pages that are not in any file. The VAM is the "Volume Allocation Map" and is a hint where free pages are on disk. If the disk headers and the VAM become out of sync, performance will suffer.

Filing5: [Cedar]<CedarChest7.0>Top>Filing5.df

Created by: Bill Jackson

Maintained by: Bill Jackson <BJackson.pa>

Documentation: Filing5Doc.Tioga

Keywords: Filing, Courier, Sirocco, XNS, Cedar, FS

Abstract: Nuthin yet...

Finch: [Cedar]<CedarChest7.0>Top>Finch.df

Created by: Severo Ornstein, Larry Stewart, Dan Swinehart, Ken Pier, Polle Zellweger

Maintained by: LarkSupport <LarkSupport.pa>

Documentation: FinchDoc.tioga

Keywords: mail message, telephone management, voice synthesizer, voice mail

Commands: Finch, WalnutVoice

Abstract: This document describes the Etherphone system: the Lark voice terminal

hardware and software and the Finch telephone control program which runs in Cedar. It also describes an extension to the Walnut electronic mail system that supports voice messages.

FindKeywords: [Cedar]<CedarChest7.0>Top>FindKeywords.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: FindKeywordsDoc.tioga

Keywords: keyword, search, find, ACFind

Commands: FindKeywords

Abstract: A command for searching a collection of files for occurences of keywords from a specified set.

Finger: [Cedar]<CedarChest7.0>Top>Finger.df

Created by: Donahue.pa

Maintained by: <CHauser.pa>

Documentation: FingerDoc.Tioga, FingerSchemaDoc.Tioga

Keywords: Finger, databases, Cedar users

Commands: Finger, FingerServer, FingerTool, Who, WhereIs, FreeMachines, Host

Abstract: Finger is a package to record the information about Cedar users and machines

Fit: [Cedar]<CedarChest7.0>Top>Fit.df

Created by: Michael Plass and Maureen Stone

Maintained by: <GargoyleImplementors↑.pa>

Documentation: FitDoc.tioga, fit.tioga

Keywords: Fit, edge-finder, contouring

Commands: Fit

Abstract: Fit generates a set of synthetic curves given a sampled image. It does this in two steps. First, it uses an edge-finder to produce a set of fine-grained polygons (also known as sample sequences or contours). Then, it uses PiecewiseFit to find a compact set of piecewise parametric cubic curves that approximate the samples.

FontEdit: [Cedar]<CedarChest7.0>Top>FontEdit.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: FontEditDoc.tioga

Keywords: AIS format, bitmap editing, contour fonts, editor, font formats, font metrics,

fonts, raster fonts, spline fonts, stipple pattern, typefaces

Commands: FontEdit, FontBold, FontSlant, FontMerge, FontWidthsCopy, SDtoSF, MakeRasterFont, StippleEdit, FontDictAnalyze, FontDictAssemble, FixGDFont, FontToSF, FontToFIS, FontToFISMetrics, FontToProof

Abstract: Provides tools and commands for editing raster fonts, and other forms of bitmaps, and for manipulationg font dictionaries.

FontTune: [Cedar]<CedarChest7.0>Top>FontTune.df

Commands: MakeTunedRasterFont, BitTuneAIS, ViewFontTuningParameters

Football: [Cedar]<CedarChest7.0>Top>Football.df

Created by: John Maxwell

Maintained by: John Maxwell <Maxwell.pa>

Documentation: FootballDoc.Tioga

Keywords: football, game

Commands: Football

Abstract: A multi-machine, multi-player game

Forms: [Cedar]<CedarChest7.0>Top>Forms.df

Created by: Jim Horning, Rick Beach, Doug Wyatt, and many others

Maintained by: Rick Beach <Beach.pa>

Documentation: FormsDoc.tioga, SampleSheet.tioga, FontCache.tioga

Keywords: abbreviations, archives, CedarChest, Cedar documentation, Cedar interface, Cedar release, DF file, documentation, forms, mail message, style files

Commands: Form, FormSearchRules

Abstract: This package consists of a collection of fill-in forms for use with Tioga, as well as their associated styles. Also provided is a command for making a new viewer from a form.

FrameBufferReader: [Cedar]<CedarChest7.0>Top>FrameBufferReader.df

Created by: Rick Beach

Maintained by: Rick Beach <Beach.pa>

Documentation: FrameBufferReaderDoc.tioga

Keywords: AIS, frame buffer, image, color, Lucasfilm, GSL electron microscope

Commands: ReadFrameBuffer, ReadFrameBufferBottomUp, ReadLucasfilm, ReadJPL, ReadGSLImage

Abstract: This package contains commands for creating AIS files from several different formats for computer generated pictures stored as frame buffer images. A frame buffer is a color display with memory. The simplest format is a succession of records for each of the

three color separations (red, green, blue) with each record containing all the pixels for a scan line. Additional formats are supported for images stored in the Lucasfilm image format, the JPL format and GSL electron microscope format.

FSRope: [Cedar]<CedarChest7.0>Top>FSRope.df

Created by: Doug Wyatt

Maintained by: Doug Wyatt <Wyatt.pa>

Documentation: FSRopeDoc.tioga

Keywords: FS, Rope, OpenFile, stream

Abstract: FSRope creates an FS.OpenFile from the content of a ROPE, using the FSBackdoor facilities for client-provided open files. Given such an OpenFile, you can use a file stream to read from the rope; this should be much faster than an IO.RIS.

FSUtil: [Cedar]<CedarChest7.0>Top>FSUtil.df

Documentation: FSUtilDoc.tioga

Commands: OpenFiles, ActiveFiles, FileStreams, LRUChain, LRUInfo, LRUFlush, ForceClose, FSEstablishInvariants, AllLabeled, CheckLeaders

Abstract: Utilities for FS to list open files, active files, file streams, and cache LRU chain. FS open files can also be closed, the statistics of the FS cache flusher printed, and the user "invariants" re-established for the workstation file system. All these commands will be of interest to experts only.

FTP: [Cedar]<CedarChest7.0>Top>FTP.df

Created by: Bob Hagmann

Maintained by: AlpineImplementors↑.pa

Keywords: File Transfer Protocol (FTP), File Server, Alpine, IFS

Abstract: FTP is a skeleton File Transfer Protocol (FTP) server into which you can plug a lower layer accessing most any basic file storage mechanism. Prime candidates are Alpine (implemented) and Cedar FS (not implemented). The result is a server that mimics an IFS.

Gargoyle: [Cedar]<CedarChest7.0>Top>Gargoyle.df

Created by: Eric Bier and Ken Pier

Maintained by: GargoyleImplementors↑.PA

Documentation: GGHelp.Tioga, GGFontSampler.tioga, GargoyleDoc.tioga, GargoyleTutorial.tioga, GGPath.tioga, GGPerformance.tioga, GGToDo.tioga, GGPriorities.tioga, GGAnecdote.tioga, GGScraps.tioga, GGDepends.tioga, GGConventions.tioga, OutlinesToSlices.tioga

Keywords: graphics, illustrators, interactive, snap-dragging, alignment objects

Commands: Gargoyle, GGToIP

Abstract: Gargoyle is an interactive 2D illustrator for creating color pictures. Gargoyle includes novel features to aid the user in precise geometric placement of objects in the scene. These features are called "snap-dragging" and "alignment objects." Refer to the Gargoyle tutorial (GargoyleTutorial.tioga) for an introdution to the features and uses of Gargoyle. Gargoyle is under constant development; the user should be prepared for changes in both functionality and user interface.

GargoyleCore: [Cedar]<CedarChest7.0>Top>GargoyleCore.df

Created by: Bier

Maintained by: <GargoyleImplementors↑.pa>

Documentation: GargoyleCoreDoc.tioga

Keywords: Gargoyle, Gargoyle3d, parsing, box

Abstract: GargoyleCore contains a set of routines that are used by both Gargoyle and Gargoyle3d but are probably not of interest outside of the Gargoyle project. Three packages are currently included: GGParseOut writes ASCII representations of Cedar and Imager objects. GGParseIn reads ASCII representations of Cedar and Imager objects and rebuilds the objects. GGBoundBox implements operations on a generalized two-dimensional box. The generalizations include that the box may be null or may be infinite.

Geometry3d: [Cedar]<CedarChest7.0>Top>Geometry3d.df

Created by: Jules Bloomenthal

Maintained by: Jules Bloomenthal <Bloomenthal.pa>

Documentation: Geometry3dDoc.tioga

Keywords: geometry, three-dimensional, 3d, vectors, points, planes, lines, matrices, clipping, curves, splines

Abstract: This package comprises several interfaces of geometric functions: vector arithmetic for operating on vectors and points, planar arithmetic for operating on planes, matrix arithmetic for representing simple geometric transformations, and an interface for three dimensional splines. The interfaces are exported by Geometry3dPackage.bcd.

GetFromRelease: [Cedar]<CedarChest7.0>Top>GetFromRelease.df

Created by: Michael Plass, Rick Beach

Maintained by: Rick Beach <Beach.pa>

Documentation: GetFromReleaseDoc.tioga

Keywords: Cedar interface, compiler, compiler errors, DF file, MakeDo, programming tools, version map

Commands: GetFromRelease

Abstract: GetFromRelease helps remove compiler errors that complain about missing BCD files for interfaces referenced in the DIRECTORY clause. Use GetFromRelease after a compilation with errors due to missing interface BCDs (interface 'cannot be opened' in compiler jargon). It reads the Compiler.log (and hence any Foo.errlog files if you use

separate logs) looking for the interface names that are missing. GetFromRelease uses the Cedar version maps to discover the released files containing the interfaces, makes the necessary attachments, and suggests the necessary IMPORTS clauses to add to your DF file (or add them itself). GetFromRelease can also get its list of goals from the command line or MakeDo.log, instead of Compiler.log.

GFtoAC: [Cedar]<CedarChest7.0>Top>GFtoAC.df

Created by: Pavel Curtis

Maintained by: Pavel Curtis <Pavel.pa>

Documentation: GFtoACDoc.tioga

Keywords: METAFONT, fonts, font format, raster fonts, typefaces

Commands: GFtoAC

Abstract: GFtoAC converts a GF ("generic font") file produced by METAFONT into an AC ("aligned characters") file as needed for installation on any of the PARC printers.

GFtoPress: [Cedar]<CedarChest7.0>Top>GFtoPress.df

Created by: D. E. Knuth and Pavel Curtis

Maintained by: Pavel Curtis <Pavel.pa>

Documentation: GFtoPressDoc.tioga

Keywords: METAFONT, Press, GF files, font, proofs

Commands: GFtoPress

Abstract: GFtoPress converts the GF ("generic font") files produced by METAFONT into Press files, one page per METAFONT character, showing an enlarged copy of the character and labelled dots at the control points used in the character's METAFONT description.

GFType: [Cedar]<CedarChest7.0>Top>GFType.df

Commands: GFType

GList: [Cedar]<CedarChest7.0>Top>GList.df

Created by: Bertrand Serlet

Maintained by: Bertrand Serlet <Serlet.pa>

Documentation: GListDoc.tioga

Keywords: Genericity, Lisp, List, Type Generic

Abstract: GList is an interface for dealing with lists. Lists must be of the form LIST OF REF <AType>. Contrarily to List.mesa, you can really use this interface, since it takes REFs as arguments instead of LONG. Speed measurement indicate that GList is only a few % slower than inline code. Implementation of GList uses 2 LOOPHOLES, but usage is entirely safe. Current restrictions in the abstract machine forbids using GList on LIST OF ROPE.

GmtDebug: [Cedar]<CedarChest7.0>Top>GmtDebug.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: GmtDebugDoc.tioga

Keywords: GMT, debugging

Commands: GmtDebug

Abstract: Simple debugging aid for Printing out BasicTime.GMT

GoodTimes: [Cedar]<CedarChest7.0>Top>GoodTimes.df

Commands: GoodTimes

GPIB: [Cedar]<CedarChest7.0>Top>GPIB.df

Created by: Gasbarro.pa, Gunther.pa

Maintained by: Jim <Gasbarro.pa>, Tim <Diebert.pa>

Documentation: GPIBDoc.tioga

Keywords: GPIB, IEEE-488, Busmaster, DandeTiger, RPC

Abstract: GPIB is an interface which provides a communication path from Cedar machines to devices which speak the IEEE-488 General Purpose Interface Bus (GPIB) protocol.

Graphs: [Cedar]<CedarChest7.0>Top>Graphs.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: GraphsDoc.Tioga

Keywords: Graph, Tree, Directed, DiGraph, DAG, Network, Navigate, Traverse, Neighbor, Vertex, Edge, Link, Node, Browse, Object-Oriented

Abstract: This package defines an object-oriented representation of graphs, and provides a general-purpose browser.

Graphs0: [Cedar]<CedarChest7.0>Top>Graphs0.df

Documentation: Graphs0Doc.tioga

Grep: [Cedar]<CedarChest7.0>Top>Grep.df

Created by: Bob Nix (after Unix)

Maintained by: Russ Atkinson <Atkinson.pa>

Documentation: GrepDoc.tioga

Keywords: searching

Commands: Grep, GrepI

Abstract: Grep will search a list of files for lines that match a pattern and print the lines that match the given regular expression (see RegularExpressionDoc.tioga for a description of the syntax for a regular expression).

Griffin: [Cedar]<CedarChest7.0>Top>Griffin.df

Created by: Maureen Stone et al.

Maintained by: Maureen Stone <Stone.pa>, Ken Pier <Pier.PA>

Documentation: GriffinDoc.tioga, GriffinNameDifs.tioga, GriffinBugFixes.tioga, GriffinDepends.tioga

Keywords: Illustrator, interactive graphics

Abstract: Griffin is an interactive illustrator for creating full-page color illustrations composed of lines, curves, filled areas, and captions. Illustrations are constructed on the screen using the mouse and menus and can then be printed at high resolution on a monochrome or color printer. Griffin has been converted to the Cedar environment. Since it uses Cedar's virtual memory, there is no longer a practical limit on the number of objects in a Griffin file. This memo describes Cedar Griffin.

GriffinToIP: [Cedar]<CedarChest7.0>Top>GriffinToIP.df

Created by: Eric Nickell

Maintained by: Eric Nickell <Nickell.pasa>

Documentation: GriffinToIPDoc.tioga

Keywords: Griffin, illustrator, interpress

Commands: GriffinToIP

Abstract: Provides facilities for converting Griffin files to interpress files. These facilties consist of a client interface and a CommandTool command.

GVMail: [Cedar]<CedarChest7.0>Top>GVMail.df

GVTools: [Cedar]<CedarChest7.0>Top>GVTools.df

Created by: Birrell, Schroeder, Murray, et al.

Maintained by: John <JLarson>, Hal <Murray>

Documentation: GVToolsDoc.tioga

Keywords: Grapevine, Tools, Administration

Commands: DBCompare, DBPurge, GVWatcher, InboxCount, InvertDLs, DLMap

Abstract: A collection of Cedar based Grapevine tools

Heap: [Cedar]<CedarChest7.0>Top>Heap.df

Histograms: [Cedar]<CedarChest7.0>Top>Histograms.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: HistogramsDoc.Tioga

Keywords: Histogram, Scatter Plot, Data, Graphics, Viewer, Visible, Screen, Plot

Abstract: Histograms provides one and two dimensional histograms.

Histograph: [Cedar]<CedarChest7.0>Top>Histograph.df

Created by: Russ Atkinson

Maintained by: Russ <Atkinson.pa>

Documentation: HistographDoc.tioga

Keywords: histograph, strip chart, Viewers

Abstract: A Histograph viewer displays a history graph of samples. Each sample is displayed as a one-pixel wide vertical bar. A Histograph viewer can be either a top-level viewer or an embedded viewer. A Histograph viewer can be historical, as with a strip-chart, or random access, as with a histogram.

HistoVAM: [Cedar]<CedarChest7.0>Top>HistoVAM.df

Created by: Carl Hauser

Maintained by: Carl Hauser <CHauser.pa>

Documentation: HistoVAMDoc.tioga

Keywords: VAM, Volume Allocation Map, VM

Commands: HistoVAM

Abstract: A hack to analyze the distribution of free run sizes on a logical volume.

HostButton: [Cedar]<CedarChest7.0>Top>HostButton.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: HostButtonDoc.tioga

Keywords: communications, debugging, host name, network address, PUP, processor id

Commands: HostButton

Abstract: HostButton just creates a button containing this machines PUP host name, PUP address in octal, and 48 bit processor ID.

HostName: [Cedar]<CedarChest7.0>Top>HostName.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: HostNameDoc.tioga

Keywords: address, communications, host name, machine name, name, network address, PUP, PUP address, server name

Commands: HostName

Abstract: HostName provides a command tool command for identifying machines by name and/or address.

IconEditor: [Cedar]<CedarChest7.0>Top>IconEditor.df

Documentation: IconEditorDoc.tioga

Commands: IconEditor

Abstract: The Icon Editor is a tool which enables users to create and modify icons and to register icons with the Cedar Icon Registry for use by all users. This document is a user's guide for the Icon Editor Tool in Cedar 7.

IconHacks: [Cedar]<CedarChest7.0>Top>IconHacks.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>, Michael Plass <Plass.pa>, Eric Nickell <Nickell.pasa>

Documentation: IconHacksDoc.Tioga

Keywords: Viewer, Label, Icon

Commands: IconHacks

Abstract: This package hacks Viewer labels by replacing common long substrings with shorter ones. It also selects icon shapes, based on the extension of the file, and whether the viewer is considered to be edited or not.

IconRegistry: [Cedar]<CedarChest7.0>Top>IconRegistry.df

Created by: Warren Teitelman

Maintained by: Rick Beach <Beach.pa>

Documentation: IconRegistryDoc.tioga

Keywords: icons, registry, icon flavors

Abstract: The IconRegistry interface associates a name with an icon and allows clients to obtain an IconFlavor without having to worry about which file contains the actual definition (and its index). Furthermore, a cache of icon flavors is kept so that the client can call IconRegistry.GetIcon each place that the corresponding icon flavor is needed, without having to distinguish the first from subsequent calls.

IdleHacks: [Cedar]<CedarChest7.0>Top>IdleHacks.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: IdleHacksDoc.Tioga

Keywords: Idle, DMT, Virtual Terminal, Starfield, Kaleidoscope, Color

Abstract: This package provides some random animations to run while idle.

ImagerColorDisplay: [Cedar]<CedarChest7.0>Top>ImagerColorDisplay.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: ImagerColorDisplayDoc.tioga

Keywords: Imager, Color Display, Sampled Images

Abstract: This package contains the implementations for various kinds of Imager contexts that can use the color display for output.

ImagerExamples: [Cedar]<CedarChest7.0>Top>ImagerExamples.df

Created by: Michael F. Plass

Maintained by: Michael F. Plass <Plass.pa>

Documentation: ImagerExamplesDoc.tioga

Keywords: color display, conversion, debugging, device independence, examples, fonts, graphics, illustration, Imager, images, Interpress, printing, random testing, sampled images, scanned images

Commands: ImagerExamples, RandomImager

Abstract: This package is a guide to the use of the Cedar Imager package, consisting of a collection of examples, useful hints, and a conversion guide to aid in converting packages from earlier Graphics and Imagers to the Cedar 6.1 Imager.

ImagerForkContext: [Cedar]<CedarChest7.0>Top>ImagerForkContext.df

Created by: Lamming.pa

Maintained by: Mik Lamming <Lamming.pa>

Documentation: ImagerForkContextDoc.tioga

Keywords: Imager

Abstract: An imager context that drives two others.

ImagerFourColor: [Cedar]<CedarChest7.0>Top>ImagerFourColor.df

Created by: Eric Nickell

Maintained by: Eric <Nickell.pasa>

Keywords: Imager, Context, Printer, Color, Grey Component Removal

Abstract: Provides a context which can produce four-color separations...mostly for printers.

ImagerIKTypeface: [Cedar]<CedarChest7.0>Top>ImagerIKTypeface.df

Created by: Michael Plass and Debra Adams

Maintained by: Richard J. Beach <Beach.pa>

Documentation: ImagerIKTypefaceDoc.tioga, LucidaSampler.tioga, ReadMe2.tioga

Keywords: contour fonts, font formats, fonts, Imager, spline fonts, typefaces

Commands: ImagerIKTypeface

Abstract: ImagerIKTypeface implements an additional Imager typeface to support fonts encoded in the Ikarus spline font format. Fonts stored in files with the extension ".ik" are understood to confrom to the Ikarus font format.

ImagerMemory: [Cedar]<CedarChest7.0>Top>ImagerMemory.df

Created by: Doug Wyatt <Wyatt.pa>, Eric Nickell <Nickell.pasa>

Maintained by: ImagerImplementors↑.pa

Documentation: ImagerMemoryDoc.tioga

Keywords: Display list, Graphics list, Imager, Replay

Abstract: ImagerMemory is a client package. It provides a class of Imager.Context that is capable of memorizing a sequence of Imager calls, and playing them back into another context.

ImagerPD: [Cedar]<CedarChest7.0>Top>ImagerPD.df

Documentation: ImagerPDDoc.tioga

Keywords: device dependence, device independence, fonts, graphics, Imager, images, Interpress, PD format, printing, sampled images, scanned images, thermal transfer printer, Versatec color plotter

Commands: CheckPD, TypePD

Abstract: Client package for writing PD files (printer-dependent page image files) with or without using the Cedar Imager package.

ImagerPress: [Cedar]<CedarChest7.0>Top>ImagerPress.df

Documentation: ImagerPressDoc.tioga

Keywords: conversion, formatting, Imager, Spruce, Press, printing, typesetting

A client interface for writing a restricted subset of Press files throught the Imager interface.

ImagerToJaM: [Cedar]<CedarChest7.0>Top>ImagerToJaM.df

Documentation: ImagerToJaMDoc.tioga

Keywords: Imager, JaM, Interpress

Commands: InterpressToJaM

A client interface for writing JaMImager code, plus a simple command to use it to convert Interpress masters to JaM

ImagerViewer: [Cedar]<CedarChest7.0>Top>ImagerViewer.df

Documentation: ImagerViewerDoc.tioga

Keywords: Imager

A client interface for creating an Imager context with a viewer.

IntChainedHashTable: [Cedar]<CedarChest7.0>Top>IntChainedHashTable.df

Created by: Mike Spreitzer and Bertrand Serlet.

Maintained by: Mike Spreitzer <Spreitzer.pa>, Bertrand Serlet <Serlet.pa>

Documentation: IntChainedHashTableDoc.tioga

Keywords: Hash, Re-Hash, RefTab, SymTab, Hash Table, Integer, INT

Abstract: IntChainedHashTable is a variant of IntHashTable that stores the data directly in the table, rather than allocating separate list nodes for the buckets.

Interpress: [Cedar]<CedarChest7.0>Top>Interpress.df

Created by: Doug Wyatt

Maintained by: ImagerImplementors↑.pa

Documentation: InterpressDoc.tioga

Keywords: Imager, Interpress, page description language, printing, compression

Abstract: This package provides client interfaces for producing Interpress masters via the Imager, and for interpreting Interpress masters into an Imager context.

InterpressConverters: [Cedar]<CedarChest7.0>Top>InterpressConverters.df

Created by: Doug Wyatt, Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: InterpressConvertersDoc.tioga

Keywords: AIS format, color, conversion, fonts, Imager, Interpress, JaM, printing, Press

Commands: AISToInterpress, ColorAISToInterpress, PressToInterpress, InterpressToPress, SnapShot, InterpressToCompressedIP, InterpressToAIS

NOTE: InterpressToAIS and InterpressToJaM are currently disabled

Abstract: InterpressConverters provides a collection of conversion routines between Interpress and other formats, specifically Press, AIS, and JaM. Included in this package is SnapShot, which makes an Interpress master from a framebuffer.

InterpressTools: [Cedar]<CedarChest7.0>Top>InterpressTools.df

Created by: Doug Wyatt

Maintained by: Doug Wyatt <Wyatt.pa>

Documentation: InterpressToolsDoc.tioga

Keywords: composition, debugging, Imager, Interpress, page description language, printing, TeX

Commands: IPWrittenFromXerox, IPXeroxFromWritten, InterpressOverlay, InterpressBreakup, InterpressConcatenate, InterpressExtract, IPOverlay, IPBreakup, IPConcatenate, IPExtract, InterpressArrows

Abstract: InterpressTools provides a collection of tools for manipulating Interpress masters. Included are conversions between written and encoded form, and tools for breaking-up, overlaying, concatenating and extracting pages.

InterpressToPD: [Cedar]<CedarChest7.0>Top>InterpressToPD.df

Created by: Michael Plass, Maureen Stone

Maintained by: Maureen Stone <Stone.pa>

Documentation: InterpressToPDDoc.tioga

Keywords: color correction, font tuning, fonts, halftone, Interpress, PD format, platemaker, printing, thermal transfer printer, Versatec color plotter

Commands: IPToPD, InterpressToPD

Abstract: This package generates PD files from Interpress masters. It contains a new hook for color correction and black printer generation, and optionally supports font-tuning.

Intervals: [Cedar]<CedarChest7.0>Top>Intervals.df

Created by: Bertrand Serlet

Maintained by: Bertrand Serlet <Serlet.pa>

Documentation: IntervalsDoc.tioga

Keywords: Hash, Geometrical Sort, Intervals, Rectangles, Rectangle Intersection

Abstract: Definitions for handling tables of association interval - value. Enumeration of all values that overlap a given interval is a fast operation. The range of all intervals must be known at the creation of the table. A value should be with the same interval during the lifetime of the table. Tables are implemented by hashing, and grow when the number of elements in table is too large. Operations (except enumeration) are monitored. A 2 dimension abstraction using the one-dimension model is also part of the package.

IntervalTimer: [Cedar]<CedarChest7.0>Top>IntervalTimer.df

Created by: Russ Atkinson

Maintained by: Russ <Atkinson.pa>

Documentation: IntervalTimerDoc.tioga

Keywords: Interval Timer, wait, pause

Commands: IntervalTimerTest

Abstract: IntervalTimer is a package to give access to fine-grain timing of intervals. On supported machines (currently only Dorados) a program can wait for a period of time with a finer resolution that afforded by either Process.Pause or Terminal.WaitForBWVerticalRetrace. On unsupported machines, the resolution is that of Process.Pause, but the interface is unchanged. This package was completely rewritten for Cedar 7.0.

InterVoice: [Cedar]<CedarChest7.0>Top>InterVoice.df

IntHashTable: [Cedar]<CedarChest7.0>Top>IntHashTable.df

Created by: Mike Spreitzer and Bertrand Serlet.

Maintained by: Mike Spreitzer <Spreitzer.pa>, Bertrand Serlet <Serlet.pa>

Documentation: IntHashTableDoc.tioga

Keywords: Hash, Re-Hash, RefTab, SymTab, Hash Table, Integer, INT

Abstract: IntHashTable is a companion of HashTable that uses INTs as keys.

IntToIntTab: [Cedar]<CedarChest7.0>Top>IntToIntTab.df

Created by: Christian Jacobi.

Maintained by: Christian Jacobi <Jacobi.pa>

Documentation: IntToIntTabDoc.tioga

Keywords: Hash, Re-Hash, RefTab, SymTab, Hash Table, Integer, INT, IntHashTable

Abstract: IntToIntTab is a companion of RefTab that uses INTs for keys and for values.

JaM: [Cedar]<CedarChest7.0>Top>JaM.df

Created by: John Warnock and Martin Newell

Maintained by: Doug Wyatt <Wyatt.pa>

Documentation: JaMDoc.tioga, JaMObsoleteDoc.tioga

Keywords: graphics, interpreter, JaM language, programming tools, stack-based language

Commands: JaM

Abstract: JaM is a simple stack-based interactive system with graphics utilities. JaM is intended to be a flexible system giving the user rather direct control over the primitives; it is not intended to be a fault tolerant system for beginning users.

JaMImager: [Cedar]<CedarChest7.0>Top>JaMImager.df

Created by: Tim Diebert & friends

Maintained by: Tim Diebert <Diebert.pa>

Documentation: JaMImagerDoc.tioga

Keywords: JaM, Imager

Commands: JaMImager

Abstract: This document describes the current set of JaMImager primitives implemented by the JaMImagerPackage. It is assumed that the reader is familiar with the JaM language.

KeyboardTioga: [Cedar]<CedarChest7.0>Top>KeyboardTioga.df

Documentation: KeyboardTiogaDoc.Tioga, StandardTiogaAtoms.Tioga

Keywords: Tioga, Editor, Mouse, Keyboard, Button, Branch, Node, Line, Word, Subword, Logical Word, Character, Select, PendingDelete, Delete, Caret, Point

Abstract: KeyboardTioga allows to user to do with the keyboard some Tioga selection operations normally done with the mouse. It also provides a richer set of selection grains.

Kipper: [Cedar]<CedarChest7.0>Top>Kipper.df

Created by: Howard Sturgis

Maintained by: Howard Sturgis <Sturgis.pa>

Documentation: KipperDoc.Tioga

Keywords: Pickle, Marshall

Commands: Kipper, TestSubject

Abstract:

Kipper *vt*: to cure (split dressed fish) by salting and smoking

Kipper is a general purpose marshalling package, providing an external representation for complex Cedar data structures. It can handle structures containing multiple allocated records, linked together by REFs. Cyclic data structures are permitted. Kipper accepts a description of a Cedar Type Structure, and generates a set of Cedar stub procedures. These stub procedures convert data objects of the given type into a sequence of 16 bit words sent to an IO.STREAM, and convert from a sequence of 16 bit words obtained from an IO.STREAM into a copy of the original data structure.

KipperSupport: [Cedar]<CedarChest7.0>Top>KipperSupport.df

KissOfDeath: [Cedar]<CedarChest7.0>Top>KissOfDeath.df

Created by: Bill Jackson

Maintained by: Bill Jackson <BJackson.pa>

Documentation: KissOfDeathDoc.tioga

Keywords: debugging, swat

Commands: KissOfDeath

Abstract: Another way in to a catatonic machine when it won't listen to a keyboard swat.

Knobs: [Cedar]<CedarChest7.0>Top>Knobs.df

Created by: Eric Nickell

Maintained by: Eric <Nickell.pasa>

Keywords: knob, keyset, sliders, user-interface

Abstract: Knobs provides an interface for decoding a pair of optical knobs attached to the keyset hardware interface on the back of a standard LF display. Unfortunately, the display must be modified to provide power to the knobs.

LFBoundingBox: [Cedar]<CedarChest7.0>Top>LFBoundingBox.df

Documentation: LFBoundingBoxDoc.tioga

Lightning: [Cedar]<CedarChest7.0>Top>Lightning.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: LightningDoc.tioga

Keywords: Debugging, Retransmission, Zap

Commands: Lightning

Abstract: Lightning zaps some of your packets so you can debug retransmission heuristics.

Lines2d: [Cedar]<CedarChest7.0>Top>Lines2d.df

Created by: Eric Bier

Maintained by: Eric Bier and Ken Pier <GargoyleImplementors↑.pa>

Documentation: Lines2dDoc.tioga

Keywords: Angle, Vector, Line, Plane Geometry

Abstract: Supplies interfaces Angles2d, Vectors2d, and Lines2d. Angles2d provides an interface for dealing with angles in a careful fashion. It distinguishes between position angles (slopes) and relative angles (the difference between slopes) and normalizes results to lie between -180 and 180 degrees. Vectors2d provides the standard dot product, cross product and includes some more isoteric operations like making a unit vector with a given slope. Lines2d provides a rather storage-hungry representation of lines, which however leads to fast implementations of line-line, and line-segment intersections, computing distances from points to lines and segments, and dropping perpendiculars. All three modules use Imager.VEC as the base type for points and vectors and REAL as the base type for angles.

ListArchives: [Cedar]<CedarChest7.0>Top>ListArchives.df

Created by: Tim Diebert

Maintained by: Tim Diebert <Diebert.pa>

Documentation: ListArchivesDoc.tioga

Keywords: Archives

Commands: ListArchives

Abstract: This program provides a way to list files from the BTree maintained by the Cedar Archive system from the user workstation.

Lister: [Cedar]<CedarChest7.0>Top>Lister.df

Documentation: ListerDoc.tioga

Commands: BcdLister, BodyLister, CodeLister, ExportsLister, FGTLister, FilesLister, GlobalFramesLister, RTBcdLister, ShortBcdLister, SortedDefsLister, SortedSymbolLister, SymbolLister, UnboundLister, UsingLister

LoganBerry: [Cedar]<CedarChest7.0>Top>LoganBerry.df

Created by: Doug Terry

Maintained by: Doug Terry <Terry.pa>

Documentation: LoganBerryDoc.tioga

Keywords: database, logs, btrees, query, servers, RPC

Commands: LBExport, TestLoganBerry

Abstract: LoganBerry is a simple facility for managing databases. Data is stored in one or more log files and indexed using btrees. A database survives processor crashes, but the data management facility does not provide atomic transactions that span multiple operations. Databases may be shared by multiple clients and may reside on a workstation's local disk or be accessed remotely via RPC.

LoganBerryTools: [Cedar]<CedarChest7.0>Top>LoganBerryTools.df

Created by: Doug Terry

Maintained by: Doug Terry <Terry.pa>

Documentation: LoganBerryToolsDoc.tioga

Keywords: database, queries, browsing, pattern-matching

Commands: LoganBerryBrowser, LBBrowser, LBBuildIndices, LBClose, LBCompactLogs, LBDelete, LBDescribe, LBQuery, LBRead, LBWrite

Abstract: LoganBerry is a simple facility for managing databases. LoganBerry tools include LoganQuery, which allows complex queries to be formulated such as those involving filters and mergers, LoganBerryCommands for invoking operations from a CommandTool, and the LoganBerry Browser, which permits one to browse (and update) a LoganBerry database interactively.

Logs: [Cedar]<CedarChest7.0>Top>Logs.df

Created by: Eric Nickell

Maintained by: Eric <Nickell.pasa>

Keywords: STREAM, Log, Typescript

Abstract: Logs provides process-based access to IO.STREAMs, so that packages may log their progress to a STREAM if their clients have provided a STREAM to Log to.

LRUCache: [Cedar]<CedarChest7.0>Top>LRUCache.df

Created by: Christian Jacobi

Maintained by: Christian Jacobi <Jacobi.pa>

Documentation: LRUCacheDoc.tioga

Keywords: lru, cache

Abstract: Definitions for least recently used cache abstraction.

Lupine: [Cedar]<CedarChest7.0>Top>Lupine.df

Documentation: LupineUsersGuide.tioga

Commands: Lupine

LupineStubs: [Cedar]<CedarChest7.0>Top>LupineStubs.df

Magnifier: [Cedar]<CedarChest7.0>Top>Magnifier.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: MagnifierDoc.tioga

Keywords: color display, demo, Imager

Commands: Magnifier

Abstract: Provides a magnifier for examining the display at twice its normal size.

Maintain: [Cedar]<CedarChest7.0>Top>Maintain.df

Created by: .... John Larson, Wesley Irish

Maintained by: Wesley Irish <WIrish.pa>

Documentation: MaintainDoc.tioga

Keywords: authentication, clearinghouse, Grapevine, groups, password, registration, RName, user credentials, XNS

Commands: Maintain, GvNsMap

Abstract: Maintain allows the user to query and update both the Grapevine and ClearingHouse databases. This document describes the use of the Maintain Tool and gives a small amount of background on both the Grapevine (GV) and XNS (NS) registration systems.

MakeDo: [Cedar]<CedarChest7.0>Top>MakeDo.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: MakeDoDoc.Tioga

Keywords: Make, Dependency, Consistency, Derive, File, DF File, Command, Compile, Bind, Order, Sequence

Abstract: MakeDo automatically determines dependencies between files, and can issue whatever commands are necessary to bring derived files up to date.

MakeDoCommands: [Cedar]<CedarChest7.0>Top>MakeDoCommands.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: MakeDoCommandsDoc.Tioga

Keywords: Make, Dependency, Consistency, Derive, File, DF File, Command, Command Tool Interface, Compile, Bind, Order, Sequence

Commands: MakeDo, MakePrediction, MakeCommandList, MakeExcuses, MakeSuspicion, MakeEmpty, MakeProducer, RederiveSummonerLoad

Abstract: MakeDo automatically determines dependencies between files, and can issue whatever commands are necessary to bring derived files up to date. MakeDoCommands implements a command-tool interface to MakeDo.

MarginalPageReporter: [Cedar]<CedarChest7.0>Top>MarginalPageReporter.df

Created by: Bob Hagmann

Maintained by: Bob Hagmann <Hagmann.pa>

Documentation: MarginalPageReporterDoc.tioga

Keywords: Disk errors

Commands: MarginalPageReporter

Abstract: Reports marginal pages discovered by File in the message area

Math: [Cedar]<CedarChest7.0>Top>Math.df

Created by: Michael Plass, Maureen Stone, Tim Diebert

Maintained by: Tim Diebert <Diebert.pa>

Documentation: MathDoc.Tioga

Keywords: MathPackage, Math functions

Abstract: This package comprises several "pure math" routines, callable directly from a Cedar program. All interfaces are exported via MathPackage.bcd

MathLib: [Cedar]<CedarChest7.0>Top>MathLib.df

Created by: may be Ed McCreight, perhaps Russ Atkinson, probably a few others.

Maintained by: ?

Keywords: FFT, Fourier Transform.

Abstract: Performs direct and reverse Fourier Transformation using the Cooley-Tukey Fast Fourier Transform (FFT) algorithm.

MazeWar: [Cedar]<CedarChest7.0>Top>MazeWar.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: MazeWarDoc.Tioga, MazeWarCmds.Tioga

Keywords: MazeWar, Game

Commands: MazeWar

Abstract: MazeWar is a Cedar implementation of the popular net game.

MemoryMonitor: [Cedar]<CedarChest7.0>Top>MemoryMonitor.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: MemoryMonitorDoc.tioga

Keywords: Memory, Allocation, Reclamation, Garbage Collection, Viewer, Monitor, Average, Heap, Dynamic Memory

Abstract: MemoryMonitor provides an on-line display of running averages of the rate of memory allocation and reclamation and the net memory consumption.

MetaCedar: [Cedar]<CedarChest7.0>Top>MetaCedar.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: MetaCedarDoc.tioga

Keywords: hack, macro

Commands: MetaCedar

Abstract: MetaCedar allows the use of Cedar as a meta-language for generating Cedar code, sort of a poor-man's macro expander. It is most useful for unrolling loops and such.

MF: [Cedar]<CedarChest7.0>Top>MF.df

Created by: Pavel Curtis

Maintained by: Pavel Curtis <Pavel.pa>

Documentation: MFDoc.tioga

Keywords: METAFONT, Knuth, fonts

Commands: MF, IniMF

Abstract: METAFONT is Don Knuth's famous program for helping typographers design families of fonts in a machine-independent fashion. This document describes only how to use the Cedar implementation.

MickeyMouse: [Cedar]<CedarChest7.0>Top>MickeyMouse.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: MickeyMouseDoc.tioga

Keywords: Animation, Illustrators, Interpress

Commands: MickeyMouse

Abstract: A package for doing rudimentary 2D non-real-time animation by in-betweening of key frames.

MidStop: [Cedar]<CedarChest7.0>Top>MidStop.df

Misp: [Cedar]<CedarChest7.0>Top>Misp.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: MispDoc.Tioga

Keywords: Misp, LISP, Interpreter, Interactive, Evaluate

Commands: Misp

Abstract: Misp (*My LISP*) is a LISP-like interpreter.

MonitorTool: [Cedar]<CedarChest7.0>Top>MonitorTool.df

Documentation: MonitorToolDoc.tioga

Commands: MonitorTool

MoreFileCommands: [Cedar]<CedarChest7.0>Top>MoreFileCommands.df

Commands: SetCreateTime, GetFileType, SetFileType, SetFileProp, GetFileProp, GetFileProps

NamedColors: [Cedar]<CedarChest7.0>Top>NamedColors.df

Created by: Darlene Plebon, Maureen Stone, Frank Crow

Maintained by: Maureen Stone <Stone.pa>

Documentation: NamedColorsDoc.tioga

Keywords: color, color spaces, color specification

Abstract: The color naming system lets a user specify an English language description to select a color. This implementation is based on system that was derived from the National Bureau of Standards Universal Color Language. The package maps a description such as "Dark Vivid Blue" to an RGB triple using the HSL color ordering system as an intermediate representation.

NetTool: [Cedar]<CedarChest7.0>Top>NetTool.df

Created by: Wesley Irish

Maintained by: Wesley Irish <WIrish.pa>

Documentation: NetToolDoc.tioga

Keywords: PUP, XNS, NS, name lookup, address lookup, Pup-Network.txt, translation, routing information, echo, chat, time, network, internet

Commands: NetTool

Abstract: Net Tool is a collection of functions that one might find useful when doing network debugging or related work. These functions include things such as name and address lookup, echo, routing information, etc. All functions (where ever possible) cover both the PUP and NS (XNS) world.

NewCalc: [Cedar]<CedarChest7.0>Top>NewCalc.df

Documentation: NewCalcDoc.tioga

Commands: NewCalc

Abstract This document gives a brief tour of the features of NewCalc.

NewClock: [Cedar]<CedarChest7.0>Top>NewClock.df

Created by: Eric Nickell

Maintained by: Eric Nickell <Nickell.pasa>

Documentation: NewClockDoc.tioga

Keywords: Clock

Commands: NewClock

Abstract: Running NewClock will put a digital clock up with the static buttons.

NewRun: [Cedar]<CedarChest7.0>Top>NewRun.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa
>

Documentation: NewRunDoc.Tioga

Keywords: Command. Run. Unbound Import

Commands: NewRun

Abstract: NewRun implements an improved form of the 'Run' command (under the name 'NewRun' and also under 'Run' if you ask for that). You may specify interfaces that can have unbound imports via the -u switch. When there are unbound imports to complain about. the interface elements are reported by name. rather than by number.

NSFileOps: [Cedar]<CedarChest7.0>Top>NSFileOps.df

Created by: Bill Jackson

Maintained by: Bill Jackson <BJackson.pa>

Documentation: NSFileOpsDoc.Tioga

Keywords: Filing. XNS. Sirocco. FS. STP. Cedar. Clearinghouse. Authentication

Commands: NSList. NSRetrieve. NSStore

Abstract: NSFileOps is a package specifically designed for freeing Cedar from one of its pup chains. In general, we want to be able to run a Cedar system with the services provided by a "Xerox Network Services" environment rather than the research systems available at PARC. In particular. we want to be able to have FS use servers exporting the "Filing" courier program.

"Filing"...

Nthtone: [Cedar]<CedarChest7.0>Top>Nthtone.df

Created by: Eric Nickell

Maintained by: No one

Keywords: Printing, Imaging

Abstract: Nthtone is a quick hack to investigate multi-level "halftones". Not ready for general consumption.

Nut: [Cedar]<CedarChest7.0>Top>Nut.df

Octree: [Cedar]<CedarChest7.0>Top>Octree.df

Documentation: OctreeDoc.tioga

Keywords: octree. three-dimensional. geometry.

Commands: OctreeFancy. OctreeDraw. OctreeNeighbors. OctreeAddDel

Abstract: This software permits the creation and modification of octrees.

Created and Maintained by: Bloomenthal.pa

OneCasaba: [Cedar]<CedarChest7.0>Top>OneCasaba.df

Created by: Sturgis.pa

Maintained by: Sturgis.pa

Documentation: OneCasabaDoc.Tioga

Keywords: Parsing, ParserGenerator, CompilerCompiler

Commands: GenOneCasabaParser, DemoOneCasaba

Abstract:

OneCasaba is an LR parsing package, containing a parser generator (GenOneCasabaParser) and a parser package (OneCasabaParser). Like YACC in Unix, or PGS in Mesa, OneCasabaParser calls client code as it performs each parsing action, allowing the client code to perform such actions as building a parse tree. OneCasaba is intended for use on small as well as large grammars. I intend for OneCasaba to be relatively easy to use, and to play a role in Cedar similar to that played by YACC in Unix.

OneCasaba differs from YACC and PGS in two ways. First, OneCasaba can handle any LR[1] grammar, where YACC and PGS are limited to LALR[1]. The reason that YACC and PGS are limited is that the canonical LR[1] construction leads to enormous table sizes, even for LALR[1] grammars, while there is a reasonable construction for LALR[1] grammars. OneCasaba avoids these large tables by using a new algorithm with the property that if the grammar is only "slightly" non LALR[1], then the resulting tables will be only slightly larger than those that would have been constructed if the grammar had been LALR[1].

Second, if the presented grammar is not LR[1], i.e., there is some canonical LR[1] state which contains conflicting LR[1] items, then OneCasaba not only names the conflicting items (as do YACC and PGS) but also provides derivations of the items which demonstrate that the two items must lie in the same canonical LR[1] state.

PascalRuntime: [Cedar]<CedarChest7.0>Top>PascalRuntime.df

Created by: Ed McCreight, Lyle Ramshaw, and Pavel Curtis

Maintained by: Pavel Curtis <Pavel.pa>

Keywords: Pascal, PasMesa, translation, compiler, runtime support

Abstract: The PascalRuntime package provides the runtime support necessary for programs translated from Pascal to Mesa by the program PasMesa. Normally, users of the package will not need to be aware of its contents; PasMesa takes care of most of it. Accordingly, no real documentation is provided except the code itself.

PasMesa: [Cedar]<CedarChest7.0>Top>PasMesa.df

Created by: Ed McCreight, Lyle Ramshaw

Maintained by: Pavel Curtis <Pavel.pa>

Documentation: PasMesaDoc.tioga

Keywords: Pascal Mesa translation compiler

Commands: PasMesa, CapsArrows, Maze

Abstract: PasMesa is a Pascal-to-Mesa source translation tool that runs in Cedar. It can help import Pascal programs into either the Cedar or Alto Mesa 6 environments.

PeachCommon: [Cedar]<CedarChest7.0>Top>PeachCommon.df

Created by: Tim Diebert, Michael Plass

Maintained by: Tim Diebert <Diebert.pa>

Documentation: PeachCommonDoc.tioga

Keywords: Printing, PD

Abstract: Peach Common is a collection of pieces that allow the construction of PD output devices. The package provides a user interface for both network and local requests.

PeachPrint: [Cedar]<CedarChest7.0>Top>PeachPrint.df

Created by: Don Curry

Maintained by: Don Curry <Curry.pa>

Documentation: PeachPrintDoc.tioga, PeachPrintMsg.tioga

Keywords: PD format, printing, Versatec color printer, thermal transfer printer, Peach

Commands: PeachPrint

Abstract: This hack just lets you print pd files at Peach print servers using the CommandTool rather than the Chat tool. The default behavior is to not fork so when it returns your file should have been printed. This is useful for serializing actions such as local expansions (using PeachExpand for instance) followed by remote prints. The STOP button may take some time since it tries to remove the print request from the servers' queue. There is also a procedure interface.

Peanut: [Cedar]<CedarChest7.0>Top>Peanut.df

Created by: Bill Paxton

Maintained by: Doug Wyatt and Michael Plass <Wyatt.pa, Plass.pa>

Documentation: PeanutDoc.tioga

Keywords: mail, message, Grapevine, Tioga

Commands: Peanut

Abstract: Peanut is a simple mail reading and sending package. It maintains sets of messages as structured Tioga documents.

PeekMail: [Cedar]<CedarChest7.0>Top>PeekMail.df

Created by: Andrew Birrell

Maintained by: Daniel Brotsky <DBrotsky.pa>

Documentation: PeekMailDoc.tioga

Keywords: Grapevine, mail

Commands: PeekMail

Abstract: PeekMail lets you see Grapevine mail without flushing it from the mail servers. A

typescript containing any retrieved mail message text is created. The messages are still available for mail programs such as Walnut and Peanut.

PhoneList: [Cedar]<CedarChest7.0>Top>PhoneList.df

Created by: Eric Nickell

Maintained by: Eric Nickell <Nickell.pasa>

Documentation: PhoneListDoc.tioga

Keywords: Phone, Directory, Hack

Abstract: PhoneList implements a CommandTool command to look up the phone list entry from files (in Parc phonelist format) which are maintained (e.g. the Parc PhoneList on [Indigo]<Registrar>).

PiecewiseFit: [Cedar]<CedarChest7.0>Top>PiecewiseFit.df

Created by: Maureen Stone and Michael Plass

Maintained by: <GargoyleImplementors↑.pa>

Documentation: PiecewiseFitDoc.tioga

Keywords: curve, fitting, parametric, cubics, fit

Abstract: This is the wonderful package written by Maureen Stone and Michael Plass that resulted in a 1983 Siggraph paper. It uses dynamic programming to choose a small sequence of cubic splines that nonetheless closely approximate a given sequence of sample points.

PigsInSpace: [Cedar]<CedarChest7.0>Top>PigsInSpace.df

Documentation: PigsInSpaceDoc.tioga

Keywords: FS cache

Commands: PigsInSpace

Finds the largest files on a logical volume.

PlotGraph: [Cedar]<CedarChest7.0>Top>PlotGraph.df

Created by: The Will of Rosemary's Users, who was obeyed by Rick Barth and Christian Le Cocq.

Maintained by: Christian Le Cocq <LeCocq.PA>

Documentation: PlotGraphDoc.tioga

Keywords: Viewers, Imager, InterPress, oscilloscope, Rosemary.

Commands: PlotGraph

Abstract: PlotGraph is a display package which provides the ability to show a collection of axis (i.e. display frames) layed out bottom up. Each axis is the local reference for one or more graphs (i.e. visualization of a set of data). The graphs can be displayed as curves, or

the values can be written along the horizontal direction either horizontally or vertically.

PLtoTF: [Cedar]<CedarChest7.0>Top>PLtoTF.df

Created by: Donald Knuth, Pavel Curtis

Maintained by: Pavel Curtis <Pavel.pa>

Documentation: PLtoTFDoc.tioga, PLFormatDoc.tex

Keywords: PL, TFM, TeX, Tioga, Font Metrics, Property Lists

Commands: PLtoTF

Abstract: PLtoTF is used for translating PL ("property list") files into the TFM ("TeX Font Metric") files used by TeX and Tioga for determining the widths of characters and other font information. PL files provide a textual format for TFM files, making it easier to create and edit them. There is a companion program, TFtoPL, which performs the opposite translation.

PolyHack: [Cedar]<CedarChest7.0>Top>PolyHack.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: PolyHackDoc.Tioga

Keywords: Polygon Hacks

Abstract: This is a collection of graphics hacks, centered around the idea of polygons whose vertices move through time.

PopUpButtons: [Cedar]<CedarChest7.0>Top>PopUpButtons.df

Created by: Mike Spreitzer, according to ideas with a long history

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: PopUpButtonsDoc.tioga, TestPopUpButtonsDoc.Tioga

Keywords: Button, Pop-Up Menu

Abstract: PopUpButtons are the long-discussed and anticipated attack on the problem of overloading buttons. A PopUpButton normally looks like a Button, and can decode mouse button and control and shift keys like a Button. But if the user is too slow (i.e., not fast) in hitting the button, a pop-up menu is presented. The first 12 (or 6 or 4 or 3 or 2 or 1) entries in the pop-up menu correspond to the mouse button and control/shift key decoded possibilities.

PopUpCommand: [Cedar]<CedarChest7.0>Top>PopUpCommand.df

Created by: Eric Nickell

Maintained by: Eric Nickell <Nickell.pasa>

Documentation: PopUpCommandDoc.tioga

Keywords: ExecHacks, DoIt, CommandTool

Commands: PopUpCommand

Abstract: Implements a command which provides a pop-up menu allowing the user to select the actual command to execute. Since most users would have little desire to type in n commands, only to mouse select the one they *really* wished to perform, the application for this command is to provide choice where automated mechanism currently execute a single command – i.e. the ExecHacks DoIt button.

PopUpMenus: [Cedar]<CedarChest7.0>Top>PopUpMenus.df

Created by: Christian Jacobi

Maintained by: Christian Jacobi <Jacobi.pa>

Documentation: PopUpMenusDoc.tioga

Keywords: popup, menu, user-interface

Abstract: packages which implement pop up menu abstractions.

PowerOff: [Cedar]<CedarChest7.0>Top>PowerOff.df

Created by: Bob Hagmann

Maintained by: Bob Hagmann <Hagmann.pa>

Keywords: power off, viewer

Commands: PowerOff

Abstract: When this package is installed (that is, issue the command "Install PowerOff" to the CommandTool), it puts up a button on the top of the screen labeled "PowerOff". A double click of this button will cause the machine to power itself off. It checks for unsaved viewers, and refuses to power off if there are any unsaved viewers. It also attempts to do an orderly shutdown of the system (like checkpoint) before turning the power off. If PowerOff is used as a CommandTool command, it will power the machine off if there are no unsaved viewers.

PressFileUtilities: [Cedar]<CedarChest7.0>Top>PressFileUtilities.df

Maintained by: Michael Plass <Plass.pa>

Documentation: PressFileUtilitiesDoc.tioga

Keywords: Press file, PressEdit, IncludePress

Commands: PressExtract, PressPages, PressOverlay, PressBBox, PressRescue, PressImageExtract, ListFontsInPressFile, SetPressPrintingMode

Abstract: This package provides commands for operating on Press files.

PressReader: [Cedar]<CedarChest7.0>Top>PressReader.df

PressScreen: [Cedar]<CedarChest7.0>Top>PressScreen.df

Documentation: PressScreenDoc.Tioga

Keywords: AIS format, bitmaps, display screen, Interpress, Press, printing, sampled images, screen bitmaps, viewer

Commands: PressScreen

Abstract: The PressScreen tool provides capablities for printing screen images.

PrettyPrint: [Cedar]<CedarChest7.0>Top>PrettyPrint.df

Documentation: PrettyPrintDoc.Tioga

Keywords: pretty, whitespace, format, print, evaluate, interpret, expression

Commands: PrettyPrint

Abstract: PrettyPrint implements a command-tool command and an interpreter function that evaluates an expression and prints the result prettily (formatting with whitespace).

PreView: [Cedar]<CedarChest7.0>Top>PreView.df

Created by: Ken Pier

Maintained by: Ken Pier <Pier.PA>

Documentation: PreViewDoc.tioga, PreViewFiles.tioga

Keywords: AIS format, artwork, color display, Griffin, illustration, Imager, Interpress, PD format, Press, preview, Tioga documents, Versatec color plotter, viewer

Commands: PreView, PVRedGreenBlue, PVRedGrnBlu, ShowPress, IPPreview, AISPreView, GGPreView, GriffinPreView, PDPreView, PressPreView

Abstract: PreView is a Cedar tool which allows users to open a viewer on any one of six file types: Interpress, Press, PD, Griffin, Gargoyle, and AIS. There is also an option to use three color separation AIS files to get a full color picture. The user may scroll horizontally and vertically on any file page, and may flip through pages of a multi-page file. The user interface is the same for all the file types. PreView also provides interactive scaling, rotation, and cropping of file pages on display, with the option to either write a new Interpress file with the selected contents or to stuff the selected contents directly into a Tioga document in the form of a TiogaArtwork node.

Print: [Cedar]<CedarChest7.0>Top>Print.df

Documentation: PrintDoc.tioga

Commands: Print

PrintColor: [Cedar]<CedarChest7.0>Top>PrintColor.df

Created by: Michael Plass, Maureen Stone

Maintained by: Michael Plass, Maureen Stone <Plass.pa, Stone.pa>

Documentation: PrintColorDoc.tioga

Keywords: color, Printing

Abstract: The common base for all the color printing software

ProcessWatcher: [Cedar]<CedarChest7.0>Top>ProcessWatcher.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: ProcessWatcherDoc.Tioga

Keywords: Process, Ready

Commands: InstantaneousProcessWatcher, TraceProcessWatcher

Abstract: The ProcessWatcher package provides two kinds of displays of the active processes of a workstation. One is a "blinking light" display, with one light per process number. The other is a cyclical "strip chart", showing the activity of the past minute. Mouse clicks on these displays can provoke stack printouts.

Promptery: [Cedar]<CedarChest7.0>Top>Promptery.df

Created by: Mike Spreizer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: PrompteryDoc.tioga

Keywords: Command Tool, Prompt

Commands: Promptery

Abstract: Promptery gives you a different prompt every command. The prompts are chosen randomly from a (user-specified) weighted list. The default list is somewhat eccentric.

Properties: [Cedar]<CedarChest7.0>Top>Properties.df

Created by: Christian Jacobi

Maintained by: Christian Jacobi <Jacobi.pa>

Documentation: PropertiesDoc.tioga

Keywords: properties

Abstract: Implements property lists similar to Atom, but uses less memory and is faster.

PupBootServer: [Cedar]<CedarChest7.0>Top>PupBootServer.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: PupBootServerDoc.tioga

Keywords: booting, PUP, EtherBooting

Commands: PupBootServer

Abstract: PupBootServer tests Pup Byte Streams.

PupBSPTool: [Cedar]<CedarChest7.0>Top>PupBSPTool.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: PupBSPToolDoc.tioga

Keywords: BSP (byte stream protocol), debugging, performance, PUP, stream, throughput

Commands: PupBSPTool

Abstract: PupBSPTool tests Pup Byte Streams.

PupDebug: [Cedar]<CedarChest7.0>Top>PupDebug.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: PupDebugDoc.tioga

Keywords: debugging, PUP, PUP address

Abstract: Simple debugging aids for Pup

PupDocs: [Cedar]<CedarChest7.0>Top>PupDocs.df

Documentation: EtherBoot.tioga, LookupFile.tioga, MiscServices.tioga, NetConstants.tioga

PupEchoTool: [Cedar]<CedarChest7.0>Top>PupEchoTool.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: PupEchoToolDoc.tioga

Keywords: debugging, echo, network tools, performance measurement, PUP

Commands: PupEchoTool

Abstract: PupEchoTool lets you bounce Pups off of other machines. It optionally prints a response time histogram.

PupEtherBoot: [Cedar]<CedarChest7.0>Top>PupEtherBoot.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: PupEtherBootDoc.tioga

Keywords: booting, debugging, EtherBooting, germs, PUP

Commands: PupEtherBoot

Abstract: PupEtherBoot is just a quick hack for testing germs.

PupNetWatcher: [Cedar]<CedarChest7.0>Top>PupNetWatcher.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: PupNetWatcherDoc.tioga

Keywords: debugging, network tools, PUP, routing tables

Commands: PupNetWatcher

Abstract: PupNetWatcher prints a line of info whenever the Pup routing tables change.

PupRouterTool: [Cedar]<CedarChest7.0>Top>PupRouterTool.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: PupRouterToolDoc.tioga

Keywords: debugging, network tools, PUP, routing tables

Commands: PupRouterTool

Abstract: PupRouterTool prints the local Pup routing table, or the routing table from a Pup Gateway.

PupWatch: [Cedar]<CedarChest7.0>Top>PupWatch.df

Created by: Andrew Birrell

Maintained by: Hal Murray, <Murray.pa>

Documentation: PupWatchDoc.tioga

Keywords: communications, debugging, network tools, PUP

Commands: PupWatch

Abstract: PupWatch is a tool for observing Pup traffic on a research Ethernet (the 3 megabit kind). It is especially useful for debugging communications problems.

QFind: [Cedar]<CedarChest7.0>Top>QFind.df

Created by: Richard E. Sweet

Documentation: QFindDoc.tioga

Keywords: searching

Commands: QFind

Abstract: QFind is a file scanning program similar in spirit to Grep. It lacks most of the functionality of Grep, but makes up for it by being 3-4 times as fast.

RasterController: [Cedar]<CedarChest7.0>Top>RasterController.df

Created by: Dave Rumph

Maintained by: The Monterey Implementors <MontereyImplementors↑.pasa>

Keywords: Dorado, Hardware, URDC, Colorado, Platemaker, Raster, Color Display, Color, Frame Buffer, Printing

Abstract: This is a client package which supports access to the Monterey Universal Raster Device Controller boards, currently RastA.

ReadWalnutArchiveFile: [Cedar]<CedarChest7.0>Top>ReadWalnutArchiveFile.df

Created by: Willie-Sue Orr

Maintained by: Willie-Sue Orr <Willie-Sue.pa>

Documentation: ReadWalnutArchiveFileDoc.tioga

Keywords: Walnut, Archive

Commands: ReadWalnutArchiveFile

Abstract: ReadWalnutArchiveFile allows quick access to messages that have been archived from a Walnut database.

RecoverFromCache: [Cedar]<CedarChest7.0>Top>RecoverFromCache.df

Documentation: RecoverFromCacheDoc.tioga

Keywords: FS cache, File Server Disaster

Commands: RecoverFromCache

Restore files to a file server from the cached copies on the workstation. Files can be either copied or listed.

RecursivelyNIL: [Cedar]<CedarChest7.0>Top>RecursivelyNIL.df

Created by: Bob Hagmann

Maintained by: Bob Hagmann <Hagmann.pa>

Documentation: RecursivelyNILDoc.tioga

Keywords: nil data structures

Abstract: RecursivelyNIL will take a REF, and recursively processes all objects reachable from the REF. For each object encountered, all REF containing fields are NILed. A callback is provided to limit the destruction.

RedirectDF: [Cedar]<CedarChest7.0>Top>RedirectDF.df

Created by: Victor Shoup

Maintained by:

Documentation: RedirectDFDoc.tioga

Keywords: DF, Directory, Release

Commands: RedirectDF

Abstract: RedirectDF is a command to change the directory to which a DF file is relative. This is useful in releasing a package or making a working version of a released package.

RefID: [Cedar]<CedarChest7.0>Top>RefID.df

Created by: Doug Terry

Maintained by: Doug Terry <Terry.pa>

Documentation: RefIDDoc.tioga

Keywords: CardTab, RefID, RefTab

Abstract: RefID uses CardTab to maintain associations between IDs and REFs. An ID is simply a laundered REF, which can be passed across an RPC connection.

RefTabPrint: [Cedar]<CedarChest7.0>Top>RefTabPrint.df

Created by: Michael Plass

Maintained by: Rick Beach <Beach.pa>

Documentation: RefTabPrintDoc.tioga

Keywords: data structures, interpreter, print proc, RefTab, symbol tables

Commands: RefTabPrint, SymTabPrint

Abstract: RefTabPrint registers a print proc for RefTab symbol tables, causing the Interpreter to display a more readable and informative result.

RegularExpression: [Cedar]<CedarChest7.0>Top>RegularExpression.df

Created by: Bob Nix

Maintained by: Russ Atkinson <Atkinson.pa>

Documentation: RegularExpressionDoc.tioga

Keywords: regular expressions, matching

Abstract: RegularExpression is a package that implements a syntax for specifying a kind of text matching pattern called *regular expressions.*

ReleaseTools: [Cedar]<CedarChest7.0>Top>ReleaseTools.df

Commands: CheckRoot, RootCompare, CheckBasicLoadees, BootSmash, CountReleaseSize, SetDateLikeRemote, BindLoadeeVersions

Remember: [Cedar]<CedarChest7.0>Top>Remember.df

Created by: Warren Teitelman

Maintained by: Ken Pier <Pier.pa>

Documentation: RememberDoc.Tioga

Keywords: calendar, icons, mail message, reminder, user profile

Commands: Remember, ShowRem, ShowReminders

Abstract: Remember is a calendar minder for Cedar. Users may enter events either from a command or a mail message that will occur some time in the future. Times for events may be given in almost any reasonable phrasing. Remember posts reminders when the corresponding time arrives as an appropriately shaped blinking inconic viewer that contains the information. Extensive user profile entries control the behavior of Remember.

RemoteSimpleTerminal: [Cedar]<CedarChest7.0>Top>RemoteSimpleTerminal.df

RemoteTerminal: [Cedar]<CedarChest7.0>Top>RemoteTerminal.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: RemoteTerminalDoc.tioga, SendByteCode.Tioga

Keywords: Terminal, Remote Terminal, Terminal Location

Abstract: The RemoteTerminal package allows a Cedar workstation to be used from anywhere on the network.

RepeatCommand: [Cedar]<CedarChest7.0>Top>RepeatCommand.df

Created by: Carl Hauser

Maintained by: Carl Hauser <CHauser.pa>

Documentation: RepeatCommandDoc.tioga

Keywords: Command, delay, postpone, iterate

Commands: Repeat

Abstract: A Cedar interface and command for executing other commands on a schedule comprising a start time, a period, and a number of iterations.

RollbackAndAnything: [Cedar]<CedarChest7.0>Top>RollbackAndAnything.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: RollbackAndAnythingDoc.Tioga

Keywords: Rollback, Checkpoint, Command, Idle, Logout, Logoff

Commands: DoRollbackStuff, RollbackAnd

Abstract: RollbackAndAnything provides a way to have commands automatically executed after a rollback. It also exports a command file that implements an "Idle" command.

RPCEchoTool: [Cedar]<CedarChest7.0>Top>RPCEchoTool.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: RPCEchoToolDoc.tioga

Keywords: RPC, Echo, Response time

Commands: RPCEchoTool

Abstract: RPCEchoTool runs simple RPC tests and prints a response time histogram.

SampleMapUtils: [Cedar]<CedarChest7.0>Top>SampleMapUtils.df

Created by: Eric Nickell

Maintained by: Eric <Nickell.pasa>

Documentation: SampleMapUtilsDoc.tioga

Keywords: AIS format, images, scanned Images, sampled Images, pictures, Imager

Commands: SampleMapUtilsTest

Abstract: SampleMapUtils is a collection of client-callable utilities for various operations dealing with SampleMaps. It includes the modules AISSampleMaps, BandCache, SampleMapUtils, and Vignettes.

ShowVAM: [Cedar]<CedarChest7.0>Top>ShowVAM.df

Created by: Andrew Birrell

Maintained by: Bob Hagmann, Michael Plass <Hagmann.pa, Plass.pa>

Documentation: ShowVAMDoc.tioga

Keywords: VAM, Volume Allocation Map, VM

Commands: ShowVAM, ShowVM

Abstract: A program to show bitmaps in viewers of the volume allocation map (VAM) for any Cedar volume, and to show the state of pages in VM. There are 512 dots to a line, and a black dot normally means allocated.

Sil: [Cedar]<CedarChest7.0>Top>Sil.df

Created by: Ken Pier and Tracy Larrabee

Maintained by: Ken Pier <Pier.pa>

Documentation: SilDoc.Tioga, SilToDo.Tioga, SilInternalDoc.Tioga

Keywords: illustrator, image, graphics, design automation

Abstract: Sil is a Simple Illustrator that runs in Cedar. It provides facilities for producing simple drawings, circuit diagrams, and illustrations that use only text strings and boxes. Sil was originally written for the Alto environment, and Cedar Sil allows compatibility with files produced by Alto Sil while providing a richer set of facilities to the Cedar user.

This document describes how to obtain and use the latest version of Sil released on the Cedar directory.

SimpleMailer: [Cedar]<CedarChest7.0>Top>SimpleMailer.df

Created by: Carl Hauser

Maintained by: Carl Hauser <CHauser.pa>

Documentation: SimpleMailerDoc.tioga

Keywords: mail, send, Grapevine

Abstract: SimpleMailer provides a programmer's interface for sending a Grapevine message with a single procedure call.

SimpleViewer: [Cedar]<CedarChest7.0>Top>SimpleViewer.df

Documentation: SimpleViewerDoc.tioga

Keywords: viewers.

Commands: SimpleViewer

Abstract: This software provides no interface but serves as a sample for viewer programming.

Created and Maintained by: Bloomenthal.pa

Sirocco: [Cedar]<CedarChest7.0>Top>Sirocco.df

Created by: Sunil Bhargava, Alan Demers, Bill Jackson

Maintained by: Bill Jackson <BJackson.pa>, Alan Demers <Demers.pa>

Documentation: SiroccoDoc.tioga, SiroccoCourierSyntax.tioga

Keywords: Sirocco, Courier, XNS, Cedar, Casaba

Commands: Sirocco

Abstract:

SiroccoDWIM: [Cedar]<CedarChest7.0>Top>SiroccoDWIM.df

Created by: Bill Jackson

Maintained by: Bill Jackson <BJackson.pa>

Documentation: SiroccoDWIMDoc.Tioga

Keywords: Courier, DWIM, MakeDo, programming tools, Sirocco, XNS

Abstract: I expect that this could become a catch all for many Sirocco related tool modules. Initially, it has SiroccoDeps, the MakeDo Action Class implementor for Sirocco.

SirPress: [Cedar]<CedarChest7.0>Top>SirPress.df

Documentation: SirPressDoc.tioga

Keywords: obsolete, Press, printing, typesetting

SirPress is a client package for writing Press files, and for sending them to the printer.

SlackProcess: [Cedar]<CedarChest7.0>Top>SlackProcess.df

Created by: Eric Bier

Maintained by: Bier.PA, Pier.PA

Documentation: SlackProcessDoc.tioga

Keywords: Cedar, queue, input

Abstract: SlackProcess solves a problem in user interfaces that employ smooth motion. User input actions (e.g. from a TIP table) are placed on a queue. The slack process takes these actions from the queue, doing as many as it can. When the slack process gets behind, it ignores some actions to catch up. The client indicates which actions can be ignored using a callback procedure. SlackProcess can be used in place of MBQueues to provide sequentialization as well to take up slack during smooth motions.

SleepPeek: [Cedar]<CedarChest7.0>Top>SleepPeek.df

Created by: Michael Plass

Maintained by: Plass <Plass.pa>

Documentation: SleepPeekDoc.tioga

Keywords: Idle, Screen

Commands: SleepPeek

Abstract: Provides a sleep button that allows any portion of the screen to be displayed during idle.

SnipSnap: [Cedar]<CedarChest7.0>Top>SnipSnap.df

Created by: Levenson

Maintained by: Levenson <Levenson.pa>

Documentation: SnipSnapDoc.tioga

Keywords: Video Frame Grabber, Color Scanner, Canon Still Video, AIS

Commands: SnipSnap

Abstract: Describes how to operate the SnipSnap Scanner

Snoopy: [Cedar]<CedarChest7.0>Top>Snoopy.df

Created by: Eric Nickell

Maintained by: Eric <Nickell.pasa>

Documentation: SnoopyDoc.tioga

Keywords: Mail, Peekmail, Grapevine

Commands: Snoopy

Abstract: Snoopy permits you to look at your Grapevine mail without flushing it from the mail servers. The messages are still available for mail programs like Walnut and Peanut. Like Peekmail, it is a low-cost (in gfis) mail reader, but providing a pop-up menu to select from the various messages. Like Peanut, Snoopy also understands tioga formatting in mail messages.

SortLabels: [Cedar]<CedarChest7.0>Top>SortLabels.df

Documentation: SortLabelsDoc.tioga

Commands: SortLabels

SpellingTool: [Cedar]<CedarChest7.0>Top>SpellingTool.df

Created by: Robert Nix

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: SpellingToolDoc.tioga

Keywords: dictionary, proofread, spelling checker, Tioga documents, user profile, writing aids

Commands: SpellingTool, BuildBitTable

Abstract: The Spelling Tool is an efficient, lightweight tool for checking spelling in text. It is used much like a string search command; however, rather than locating the next piece of text that matches a particular pattern, it locates the next misspelled word. The Tool also provides facilities that assist in correcting misspelled words and that retrieve definitions from the Dictionary Server.

Spy: [Cedar]<CedarChest7.0>Top>Spy.df

Created by: John Maxwell

Maintained by: Russ Atkinson <Atkinson.pa>

Documentation: SpyDoc.tioga

Keywords: performance measurement, tuning, page faults, memory allocations, timing, CPU usage

Commands: Spy

Abstract: The Cedar Spy is a tool for monitoring the performance of programs. It can measure several different aspects of performance: CPU usage, page faults, allocations, or process time. Hopefully a programmer will find that the Spy is the only tool he needs for the bulk of his performance analysis.

StatementInterpreter: [Cedar]<CedarChest7.0>Top>StatementInterpreter.df

Documentation: StatementInterpreterDoc.Tioga

Keywords: Interpreter, Cedar, Statement, Interactive, Evaluate

Abstract: The StatementInterpreter extends the Cedar interpreter's capabilities into the world of statements.

StatementInterpreterCommands: [Cedar]<CedarChest7.0>Top>StatementInterpreterCommands.df

Documentation: StatementInterpreterCommandsDoc.Tioga

Keywords: Interpreter, Cedar, Statement, Interactive, Evaluate, Command Tool, Command

Abstract: The StatementInterpreterCommands package provides a command-tool interface to the StatementInterpreter

STPServer: [Cedar]<CedarChest7.0>Top>STPServer.df

Created by: Michael Plass

Maintained by: Rick Beach <Beach.pa>

Documentation: STPServerDoc.tioga

Keywords: conversion, file server, protocol, server name, STP, Tioga documents

Commands: STPServer

Abstract: The STPServer is a Cedar program that allows your machine to be used as a simple file server.

StructuredStreams: [Cedar]<CedarChest7.0>Top>StructuredStreams.df

Documentation: StructuredStreamsDoc.tioga

Keywords: Stream, Format, Whitespace, Pretty Print, Structure, Object, Nest

Abstract: StructuredStreams provides streams that format with whitespace according to a nested object structure. The basic formatting mechanism, UnparserBuffer, is also exported.

StyleTool: [Cedar]<CedarChest7.0>Top>StyleTool.df

Created by: Linda Gass

Maintained by: Richard J. Beach <Beach.pa>

Documentation: StyleToolDoc.tioga

Keywords: composition, documents, fonts, formatting, JaM language, styles, Tioga Tioga, typesetting

Commands: StyleTool

Abstract: The StyleTool allows Tioga users to examine and modify existing styles as well as some rudimentary facilities to create new styles.

Summoner: [Cedar]<CedarChest7.0>Top>Summoner.df

Documentation: SummonerDoc.tioga, ComputeServerNotes.tioga

Keywords: Compute Server, Summoner, Process Server, distributed computing

Commands: SubmitSummonerPackage, RemoveSummonerPackage, SummonerInfo, SummonerCluster, SummonerClient, StartClient, SummonerClientOn, SummonerClientOff, SummonerServerOff, SummonerServerOn, SummonerEnableAutoIdle, SummonerDisableAutoIdle

Abstract: The Summoner, also called the *Compute Server* or the *Process Server*, is a framework for doing computation on multiple machines in Cedar. It provides the facilities for using the processing power a more powerful workstation from a lower powered workstation for doing computations like CommandTool Commands. It also has facilities for doing multi-machine computations.

The system is not complete, and suggestions are actively solicited.

SummonerMonitor: [Cedar]<CedarChest7.0>Top>SummonerMonitor.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: SummonerMonitorDoc.Tioga

Keywords: Summoner, Monitor, Viewers

Abstract: This package provides monitoring of Summoner activity on behalf of the user.

Sweep: [Cedar]<CedarChest7.0>Top>Sweep.df

Commands: ShowSweep, ShowWind, ShowColor, ShowHide

SynChart: [Cedar]<CedarChest7.0>Top>SynChart.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: SynChartDoc.tioga

Keywords: syntax chart, TEX

Abstract: TEX macro package for creating syntax charts.

Tangle: [Cedar]<CedarChest7.0>Top>Tangle.df

Documentation: TangleDoc.tioga

Keywords: WEB, Pascal, PasMesa, compiler, translator

Commands: Tangle, ShowPosition

Abstract: Tangle is the program which translates WEB programs into legal Pascal. More information can be gotten from the WEB Users Manual, a copy of which Pavel owns.

Tank: [Cedar]<CedarChest7.0>Top>Tank.df

Created by: John Maxwell

Maintained by: Russ <Atkinson.pa>

Documentation: TankDoc.tioga

Keywords: Tank, game

Commands: Tank

Abstract: Tank is a simple network multi-player arcade game. Each player controls a tank which can turn and move. Each tank can also fire at and destroy tanks of other players.

TapeTool: [Cedar]<CedarChest7.0>Top>TapeTool.df

Documentation: TapeToolDoc.tioga, CopyTapeDoc.tioga

Commands: TapeTool, PGTape, CopyTape

Abstract: This documentation describes the Cedar Tape Tool.

TBQueue: [Cedar]<CedarChest7.0>Top>TBQueue.df

Commands: TBQueue

Tempus: [Cedar]<CedarChest7.0>Top>Tempus.df

Created by: Warren Teitelman

Maintained by: Ken Pier <Pier.pa>

Keywords: time, time parser

Abstract: Tempus is a time parser that accepts a wide variety of time formats. Relative times, narrative times, and general forms of times are accepted.

TerminalEmulator: [Cedar]<CedarChest7.0>Top>TerminalEmulator.df

Documentation: TerminalEmulatorDoc.Tioga, ASCII-man.Tioga

Keywords: terminal, emulate, simulate, TTY, glass, character, screen

Commands: TerminalEmulator

Abstract: TerminalEmulator emulates a standard array-of-characters style terminal.

TerminalIO: [Cedar]<CedarChest7.0>Top>TerminalIO.df

Created by: Christian Jacobi

Maintained by: Christian Jacobi <Jacobi.pa>

Documentation: TerminalIODoc.tioga

Keywords: IO, Terminal, Ascii, Log

Commands: TerminalIO

Abstract: Package which implements a single, shared log viewer.

TeX: [Cedar]<CedarChest7.0>Top>TeX.df

Created by: Donald E. Knuth, Michael Plass, Lyle Ramshaw

Maintained by: Pavel Curtis <Pavel.pa>

Documentation: TeXDoc.tioga, BuildingTeX.tioga

Keywords: TeX82, formatting, documents, typesetting

Commands: TeX, IniTeX, RTeX, RIniTeX

Abstract: The TeX82 document compiler has been ported from Pascal to Cedar, and this document describes how to run it in Cedar. This document is somewhat obsolete, but Pavel hasn't had time to update it sufficiently. Talk to Pavel if you have problems.

TextReplace: [Cedar]<CedarChest7.0>Top>TextReplace.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: TextReplaceDoc.tioga

Keywords: Text, ROPE, String, Characters, Function, Map, Replace, Substitute, Pattern, Match, Search, Find, EditTool

Abstract: TextReplace defines a representation for members of the algebra of ROPE→ROPE functions, and some useful functions on them (spanning the functionality of the EditTool).

Texture2D: [Cedar]<CedarChest7.0>Top>Texture2D.df

Created by: Ken Perlin, Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: Texture2DDoc.tioga

Keywords: texture, AIS, bark, drops, marble, rock, smoke

Commands: Texture2D, Wedge

Abstract: A program for creating various 2-dimensional textures (as AIS files), using methods developed by Ken Perlin.

TFtoPL: [Cedar]<CedarChest7.0>Top>TFtoPL.df

Commands: TFtoPL

Thesaurus: [Cedar]<CedarChest7.0>Top>Thesaurus.df

Created by: Jack Kent

Maintained by: Jack Kent <Kent.pa>

Documentation: ThesaurusDoc.tioga

Keywords:

Commands: Thesaurus

Abstract:

ThreeC4Support: [Cedar]<CedarChest7.0>Top>ThreeC4Support.df

ThreeCasabaFour: [Cedar]<CedarChest7.0>Top>ThreeCasabaFour.df

Created by: Howard Sturgis, John Field, Victor Shoup

Maintained by: Bill Jackson <BJackson.pa>

Documentation: ThreeCasabaFourDoc.Tioga

Keywords: compiler-compiler, Casaba, parsing, recurive functions

Commands: ThreeCasabaFour, ThreeC4, TestThreeC4, XTran7

Abstract: ThreeC4 is a component of the more general Casaba package.

ThreeDWorld: [Cedar]<CedarChest7.0>Top>ThreeDWorld.df

Created by: Frank Crow

Maintained by: Frank Crow <Crow.pa>

Documentation: ThreeDWorldDoc.tioga

Keywords: 3-D, antialiasing, shading, highlights, image synthesis, texture, transparency

Commands: ThreeDDemo

Abstract: This package provides shaded renditions of numerically-described three dimensional shapes on Cedar displays (LF, Dorado Color display) or Interpress devices. Quick display for line drawings and faceted objects allows near-real-time display of simple shapes. For more complex scenes or more expensive shading techniques, a short sequence of images may be computed and then played back at real-time rates. More elaborate shading techniques include: smoothly varying shading for curved surfaces, highlights, simulated transparency, mapped and space-filling textures, and antialiasing. Currently, this package supports only shapes approximated by polygons and Bezier patches.

TiogaButtons: [Cedar]<CedarChest7.0>Top>TiogaButtons.df

Created by: Richard J. Beach

Maintained by: Richard J. Beach <Beach.pa>

Keywords: TiogaButtons, Tioga, buttons, menus, user interface techniques, formatting

Commands: TiogaButtons

Abstract: TiogaButtons provides a user interface technique with all the formatting capabilities of the Tioga document formatter. TiogaButtons is a viewer class that behaves like a menu but is formatted by Tioga. The client prepares either a Tioga document or a set of text strings to be identified as buttons. The Tioga formatter displays the content but a special input notifier provides similar user interaction to a Viewers menu. All of the Tioga formatting capabilities, including line folding, looks, formats, and styles are available to the client.

TiogaButtons is experimental. Please request additional functionality you feel is necessary.

TiogaDWIM: [Cedar]<CedarChest7.0>Top>TiogaDWIM.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: TiogaDWIMDoc.Tioga

Keywords: DWIM (do what I mean), file, DF file, Tioga extensions, attachment, file lookup, definition search, Cedar language, Mesa language, Lisp language, JaM language, style files

Abstract: TiogaDWIM provides smarts for the "Get", "GetImpl", and "Def" buttons in Tioga viewers. These smarts understand the common languages and practices used in programming in CSL. Thus, the "Get" smarts understand DF-file contents, and also the idea of following the attachment to Foo.BCD to find Foo.Mesa. The "Def" button tries to determine the language of the file being searched, and search according to the rules of that language. The "GetImpl" button first does a "Def" search, and then looks for the implementation of the result. Cedar sources are recognized by their filename extension. TiogaDWIM understands these features of the Cedar language: type renaming, DIRECTORY and IMPORTS statements, and the optional OPEN on the outermost block, and the fact that declarations are of the form id*list*: Type. It's been known to work on object-oriented invocations too. TiogaDWIM also understands JaM files and Style files, and has a rudimentary understanding of LISP files.

TiogaExecCommands: [Cedar]<CedarChest7.0>Top>TiogaExecCommands.df

Created by: Michael Plass (moved from EditTool.df)

Maintained by: TiogaImplementors↑.pa

Documentation: TiogaExecCommandsDoc.Tioga

Keywords: Cedar language, conversion, editor, formatting, hyphenation, Mesa language, Tioga documents, TIP tables

Commands: AnnotateProperties, PruneAnnotations, EditProperties, Hyphenation, DoTiogaOps, ReadIndent, ReadTiogaTipTables, TiogaMesa, WriteMesaPlain, WritePlain, WriteAscii, WriteBrokenAscii

Abstract: Executive commands for the Tioga editor.

TiogaImager: [Cedar]<CedarChest7.0>Top>TiogaImager.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: TiogaImagerDoc.tioga

Keywords: artwork, composition, formatting, illustration, Imager, Interpress, page layout, styles, Tioga documents, TSetter, typesetting

Commands: TiogaToInterpress

Abstract: This package provides a command (TiogaToInterpress) for converting a Tioga file to an Interpress master suitable for printing. It also provides a client interface (TiogaImager) for formatting tioga nodes.

TiogaRenumber: [Cedar]<CedarChest7.0>Top>TiogaRenumber.df

Commands: RenumberFootnotes, RenumberFigures, RenumberReferences, Renumber, TiogaRenumber

TiogaStreams: [Cedar]<CedarChest7.0>Top>TiogaStreams.df

Documentation: TiogaStreamsDoc.tioga

Keywords: Tioga, Stream, IO, read, write

Abstract: TiogaStreams provides a way to read and write Tioga documents mostly through the standard streams interface.

TopButtons: [Cedar]<CedarChest7.0>Top>TopButtons.df

Created by: Bertrand Serlet

Maintained by: Bertrand Serlet <Serlet.pa>

Documentation: TopButtonsDoc.tioga

Keywords: Buttons, Open, New, Doc, Help, Documentation, Tioga, DWIM, Catalog, MasterScope, Cross Reference, Callers, Grep

Commands: TopButtons

Abstract: TopButtons turns the *Open* and *New* buttons, located on top on a regular Cedar screen, into something useful. When the user clicks *Open* or *New*, a choice of files or directories is proposed, which entries are settable by user profile. The button labelled *Doc* allows easy on-line documentation: if a filename is selected, it looks for a file ending in *Doc.tioga*, and if there is no selection, it proposes a menu of Catalogs. An optional button labelled *Refs* permits to search for all references of the selected function. The intended semantic for those buttons is: DWIM (Do What I Mean).

Trans: [Cedar]<CedarChest7.0>Top>Trans.df

Created by: Dan Swinehart

Maintained by: Dan Swinehart <Swinehart.pa>

Documentation: TransDoc.tioga

Keywords: Regular Expression, Text, Replace, Substitution, Text Replace, Grep, Pattern Searching

Commands: Trans

Abstract: Trans does a pattern-directed global substitution to a group of files. Trans has a subset of the functionality of the EditTool's substitute command; however, it is better suited to the task of performing different global substitutions to several files. Trans's main shortcoming is that it cannot deal with Tioga node structure.

Trc: [Cedar]<CedarChest7.0>Top>Trc.df

Created by: Eric Nickell

Maintained by: Eric Nickell <Nickell.pasa>

Documentation: TrcDoc.tioga

Keywords: TRC, Tone Reproduction Curve, Function

Commands: TrcTool

Abstract: Trc provides capabilities for manipulating and viewing single-valued functions of one variable. It derives its name from "Tone Reproduction Curve", a particular type of function the authors wished to work with.

TrickleChargeServer: [Cedar]<CedarChest7.0>Top>TrickleChargeServer.df

Created by: Russ Atkinson

Maintained by: AlpineImplementors↑.pa

Documentation: TrickleChargeServerDoc.tioga

Keywords: Cedar, pseudo servers, replicated directories

Commands: TrickleChargeServer

Abstract: The TrickleChargeServer provides a command to replicate a directory (or a DF file) from one server onto another preserving version numbers.

Tube: [Cedar]<CedarChest7.0>Top>Tube.df

Documentation: TubeDoc.tioga

Keywords: tube, generalized cylinder, modeling, three-dimensional geometry, splines.

Commands: Tube

Abstract: This software permits the creation and modification of tubular structures.

Created and Maintained by: Bloomenthal.pa

UserProfileOps: [Cedar]<CedarChest7.0>Top>UserProfileOps.df

Documentation: UserProfileOpsDoc.tioga, UserProfileOpsReleaseMessage.tioga

UsingDependencies: [Cedar]<CedarChest7.0>Top>UsingDependencies.df

Created by: Michael Plass

Maintained by: Michael Plass <Plass.pa>

Documentation: UsingDependenciesDoc.tioga

Keywords: Dependencies, Lister, USING

Commands: UsingDependencies

Abstract: Command for generating a list of interface-item dependencies from a collection of BCDs.

Values: [Cedar]<CedarChest7.0>Top>Values.df

Created by: Christian Jacobi

Maintained by: Christian Jacobi <Jacobi.pa>

Documentation: ValuesDoc.tioga

Keywords:

Abstract: Values provides a general means to store properties to arbitrary types and to register property keys. A propagation mechanism is provided.

VBounce: [Cedar]<CedarChest7.0>Top>VBounce.df

Created by: Russ Atkinson

Maintained by: Russ Atkinson <Atkinson.pa>

Documentation: VBounceDoc.tioga

Keywords: animation, demonstration, Viewers

Commands: VBounce

Abstract: VBounce is an animation demonstration that runs in Cedar on Dorados. It creates a viewer that has 32 bouncing boxes inside of it.

VersionMapBuilder: [Cedar]<CedarChest7.0>Top>VersionMapBuilder.df

Documentation: VersionMapBuilderDoc.tioga

Commands: GenMap, GenCedarMap, MergeMap, MergeCedarMap, GenSortedClosure

VersionMapBuilder is a program that builds version maps from the closure of files touched by a DF file. These version maps are used to make it easier to find source and symbols files.

VersionOf: [Cedar]<CedarChest7.0>Top>VersionOf.df

Created by: Mike Spreitzer

Maintained by: Mike Spreitzer <Spreitzer.pa>

Documentation: VersionOfDoc.Tioga

Keywords: Loadstate, Loaded, Module, VersionStamp, BCD file, Config, Bound Modules, Nested Modules, Module Nesting

Commands: VersionOf

Abstract: VersionOf provides a procedural and a command-tool interface for discovering the version stamps of loaded modules and BCD files. The command also shows the nesting of modules in the loadstate.

ViewerAbort: [Cedar]<CedarChest7.0>Top>ViewerAbort.df

Created by: Eric Nickell

Maintained by: Eric Nickell <Nickell.pasa>

Documentation: ViewerAbortDoc.tioga

Keywords: Viewer, Abort, Stop

Abstract: ViewerAbort is a client-callable package which lets a user abort (via SHIFT-SWAT or DLion STOP) actions associated with viewers.

ViewersToIP: [Cedar]<CedarChest7.0>Top>ViewersToIP.df

Created by: Eric Nickell

Maintained by: Eric Nickell <Nickell.pasa>

Documentation: ViewersToIPDoc.tioga

Keywords: artwork, bitmaps, display documentation, illustration, images, Interpress, printing, sampled screen, typesetting, viewer

Commands: ViewersToIP, ViewerToIP

Abstract: ViewersToIP creates an interpress master given a viewer. Thus, it is possible to print anything (well, almost) that can be displayed in a viewer.

ViewRec: [Cedar]<CedarChest7.0>Top>ViewRec.df

Documentation: ViewRecIntroduction.Tioga, ViewRecDoc.Tioga

Keywords: User Interface, Viewer, Record

Abstract: ViewRec is a tool for constructing pieces of user interfaces. It provides a combination of extended menus (the procedures can take arguments) and forms fill-in.

VisibleMouseClicks: [Cedar]<CedarChest7.0>Top>VisibleMouseClicks.df

Created by: Peter B. Kessler

Maintained by: Peter B. Kessler <PeterKessler.pa>

Documentation: VisibleMouseClicksDoc.tioga

Keywords: visible, mouse, button, click, cursor, teaching

Commands: VisibleMouseClicks

Abstract: Displays mouse button clicks in the cursor.

VoiceUtils: [Cedar]<CedarChest7.0>Top>VoiceUtils.df

VTables: [Cedar]<CedarChest7.0>Top>VTables.df

Walnut: [Cedar]<CedarChest7.0>Top>Walnut.df

Documentation: WalnutDoc.Tioga, WalnutInterfacesDoc.tioga, WallabyDoc.tioga

Commands: Walnut, WalnutScavenge

Abstract: Walnut is a computer mail system interface that runs in Cedar. It provides facilities to send and retrieve mail (using the Grapevine mail transport system), and to display and

classify previously retrieved messages. This document describes how to use Walnut: the document WalnutInterfacesDoc.tioga gives information about programmer access to a Walnut database.

WalnutKernel: [Cedar]<CedarChest7.0>Top>WalnutKernel.df

Created by: Willie-Sue Orr

Maintained by: WalnutSupport↑.pa

Documentation: WalnutKernelDoc.Tioga, NewWalnutUserDoc.tioga

Keywords: Walnut, database

Commands: NewWalnutUser

Abstract: WalnutKernel provides a database and log system for storing and classifying grapevine messages. It is responsible for maintaining certain invariants. WalnutKernel exports the WalnutOps interface, which provides programmer's access to a Walnut database: WalnutInterfacesDoc.tioga gives a complete description of WalnutOps and the other interfaces that Walnut provides.

WalnutRegistry: [Cedar]<CedarChest7.0>Top>WalnutRegistry.df

Created by: Willie-Sue Orr

Maintained by: Willie-Sue Orr <Willie-Sue>

Keywords: Walnut

Commands: WalnutRegistry

Abstract: WalnutRegistry is a facility that allows programs to be notified when various interesting events occur in a Walnut database. The interface WalnutRegistry is the documentation.

WalnutRescue: [Cedar]<CedarChest7.0>Top>WalnutRescue.df

Created by: Willie-Sue Orr

Maintained by: Willie-Sue Orr <Willie-Sue.pa>

Documentation: WalnutRescueDoc.Tioga

Keywords: Walnut, recovery

Commands: ScanWalnutLog, PageScanWalnutLog, FixWalnutLog, QuickFixWalnutLog, MoveWalnutFiles, Recover, ScanForMsgs

Abstract: WalnutRescue provides a number of facilities to be used to recover from problems with or changes to Walnut.

WalnutSend: [Cedar]<CedarChest7.0>Top>WalnutSend.df

Created by: Willie-Sue Orr

Maintained by: Willie-Sue Orr <Willie-Sue>

Documentation: WalnutSendDoc.tioga

Keywords: Grapevine

Commands: WalnutSend

Abstract: WalnutSend is a tool for sending messages using Grapevine. The interface WalnutSendOps also provides procedures for parsing, answering and forwarding messages.

WalnutSort: [Cedar]<CedarChest7.0>Top>WalnutSort.df

Created by: Eric Nickell and Dave Rumph

Maintained by: Eric Nickell <Nickell.pasa> and Dave Rumph <Rumph.pasa>

Documentation: WalnutSortDoc.tioga

Keywords: database application, mail message, Walnut

Commands: WalnutSort

Abstract: WalnutSort is a facility which automatically selects message set buttons in the Walnut Control window, on the basis of the contents of the message.

Watcher: [Cedar]<CedarChest7.0>Top>Watcher.df

Created by: Hal Murray

Maintained by: Hal Murray <Murray.PA>

Documentation: WatcherDoc.tioga

Keywords: Watch, CPU, Disk, Ethernet

Commands: Watcher

Abstract: Yet another toy to Watch things

Waterlily: [Cedar]<CedarChest7.0>Top>Waterlily.df

Created by: Karen Kolling

Maintained by: Dan Swinehart <Swinehart.pa>, Russ Atkinson <Atkinson.pa>

Documentation: WaterlilyDoc.tioga

Keywords: file comparison, source comparison, file merging

Commands: Waterlily, Cedarlily, Tigerlily, Mergelily

Abstract: Waterlily will compare two files and produce either a difference file or a merged version of the two files. The minimal documentation here is extracted from the help prompts provided by the three Waterlily commands.

Weave: [Cedar]<CedarChest7.0>Top>Weave.df

Commands: Weave

Whiteboard: [Cedar]<CedarChest7.0>Top>Whiteboard.df

Documentation: WhiteboardDoc.tioga, WhiteboardScreen.ais, DumpGrammar.tioga

Commands: Whiteboard, WBOpen, WBDump

WordCount: [Cedar]<CedarChest7.0>Top>WordCount.df

Documentation: WordCountDoc.tioga

Commands: WordCount

WorkingDirectory: [Cedar]<CedarChest7.0>Top>WorkingDirectory.df

Created by: Peter Kessler

Maintained by: Peter Kessler <PeterKessler>

Documentation: WorkingDirectoryDoc.tioga

Keywords: CommandTool, working directory, directory stack, icon labels

Commands: WorkingDirectory

Abstract: This program manipulates the same data structures as the CommandTool that define the current working directory and stack of working directories of a command tool. The printing of the current working directory (e.g. in the label of an iconic CommandTool) has been shortened, and the directory stack can now be printed out and rolled.

XBus: [Cedar]<CedarChest7.0>Top>XBus.df

Created by: Jim Gasbarro

Maintained by: Jim <Gasbarro.pa>

Documentation: XBusDoc.tioga

Keywords: Multibus, Busmaster, DandeTiger

Commands: TestMultibus

Abstract: This interface is a driver for the Busmaster card. It is connected via the XBus expansion port to a DandeTiger. Such a system allows direct control of Multibus peripherals from Cedar.

XNSChat: [Cedar]<CedarChest7.0>Top>XNSChat.df

Created by: Demers

Maintained by: Demers <Demers.pa>

Documentation: XNSChatDoc.tioga

Keywords: chat, communications, GAP (Gateway Access Protocol), network tools, Telnet, XNS

Commands: XNSChat

Abstract: A client implementation of the XNS Gateway Access Protocol (GAP) for chatting

to product servers. It's very primitive, but it works.

XNSPrinting: [Cedar]<CedarChest7.0>Top>XNSPrinting.df

Created by: Bill Jackson

Maintained by: Bill Jackson <BJackson.pa>

Documentation: XNSPrintingDoc.Tioga

Keywords: XNS, Anacapa, Courier, NCP, late-night-hackery, Print Service

Abstract: XNSPrinting supplies the *Programmers interface* to the procedures exported by the Printing Courier Program. If you want to be a real consumer, look in XNSPrintingUIDoc.tioga.

The Printing Courier Program is exported by product printers (8044's, 8045's, 4045's, and 4050's) All the procedures of Printing are exported by this stub, and Aux Procs are exported thru the interface PrintingP4V3Aux. XNSPrinting is just a convenient spot for the code automatically generated by Sirocco and it isolates programmers from some of the transport details.

XNSPrintingUI: [Cedar]<CedarChest7.0>Top>XNSPrintingUI.df

Created by: Bill Jackson (with credits to Jules Bloomenthal)

Maintained by: Bill Jackson <BJackson>

Documentation: XNSPrintingUIDoc.Tioga

Keywords: Courier, fonts, Interpress, network tools, printing, Sirocco, Tioga documents, XNS

Commands: FaxIPMaster, GetPrintStatus, GetPrintProperties, SendIPMaster, XNSPrintRequestWatcher

Abstract: XNSPrintingUI supplies a user interface and a client interface to procedures exported by the Printing Courier Program which is available on product printers (8044's, 8045's, and 4050's) and on experimental Cedar based Interpress printer. The Commander Operations of SendIPMaster, GetPrintStatus, GetPrintProperties, and XNSPrintRequestWatcher are supported. I've added the manipulative interface XNSPrintRequestWatcher which allows one to check on the progress of a print request: it's just a little too hard for users to type a multi word Opaque data type at the commander, and I'd rather not invent a heuristic (since my creativity is pretty drained right now).

XNSTools: [Cedar]<CedarChest7.0>Top>XNSTools.df

Created by: Demers

Maintained by: Demers <Demers.pa>

Documentation: XNSToolsDoc.tioga

Keywords: keyword1, keyword2, ... ;

Commands: XNSEchoTool, XNSSpyTool, XNSRouterTool

Abstract: A few simple tools for XNS debugging – XNSSpyTool, XNSRouterTool,

XNSEchoTool.

XRef: [Cedar]<CedarChest7.0>Top>XRef.df

Created by: Russ Atkinson

Maintained by: Russ <Atkinson.pa>

Documentation: XRefDoc.tioga

Keywords: cross-reference, xref

Commands: XRef

Abstract: XRef is a simple program to cross-reference either Cedar programs or simple text. It registers the XRef command, which takes a list of files and produces a cross-reference file with the extension "xref".

XTSetter: [Cedar]<CedarChest7.0>Top>XTSetter.df

Created by: Jean-Marc Frailong

Maintained by: Jean-Marc Frailong <Frailong.pa> -- Reluctantly --

Documentation: XTSetterDoc.Tioga

Keywords: typesetting, Tioga documents, InterPress, XTSetter, XNS print servers

Commands: XTSetter

Abstract: XTSetter is a user interface to InterPress formatting and XNS printing. It is functionally comparable to TSetter. XTSetter knows how to format Tioga files and viewers, the screen and screen columns, and offers a general mechanism to format viewers. XTSetter prints exclusively on XNS InterPress print servers. A programming interface is also available.

Yodel: [Cedar]<CedarChest7.0>Top>Yodel.df

Created by: Bob Hagmann <Hagmann.pa>

Maintained by: AlpineImplementors↑.pa

Documentation: YodelDoc.tioga

Keywords: Alpine, administrator, file, server

Commands: Yodel

Abstract: Yodel is a program that provides a Button-style interface to the remote user commands to the Alpine File Servers, Interim File Servers (IFS), and the workstation file system FS. It allows the user to list, delete, rename, and copy files, as well as changing the file and owner properties for files stored on Alpine File Servers. Yodel also supports some functions (i.e., list, delete, rename and copy) on FS and IFS files. Thus, an IFS file can be copied to an Alpine file via Yodel. There also is an administrator interface for doing such things as adding or removing users, and changing quotas.

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drops: Texture2D
Dunn: Dunn
Dunn Camera: DunnCalibration
DWIM: ExecHacks, SiroccoDWIM, TopButtons
DWIM (do what I mean): TiogaDWIM
Dynamic Memory: MemoryMonitor
echo: NetTool, PupEchoTool, RPCEchoTool
Edge: Graphs
edge-finder: Fit
editor: FontEdit, KeyboardTioga, TiogaExecCommands
EditorComforts: ExecHacks
EditTool: TextReplace
emulate: TerminalEmulator
Encryption: EncryptTool, Fig
Endian: EndianDebug
Enumeration: FileCmds
Environment: DFCommandsExtras

Fortune: Cookie
Fourier Transform.: MathLib
frame buffer: FrameBufferReader, RasterController
frame buffer.: ColorTrix
FS: AlpineAmbush, Filing5, FSRope, NSFileOps
FS cache: PigsInSpace, RecoverFromCache
FTP: AlpineServer
function: Asserting, CommandToolProcedures, TextReplace, Trc
Functional Color: ColorRegistry
functions: Controls
game: Football, MazeWar, Tank
GAP (Gateway Access Protocol): XNSChat
garbage collection: CircularGarbage, MemoryMonitor
Gargoyle: GargoyleCore
Gargoyle3d: GargoyleCore
generalized cylinder: Tube
Genericity: GList
Geometrical Sort: Intervals
geometry: Applied3d, Geometry3d
geometry.: Octree
germs: PupEtherBoot
GF files: GFtoPress
glass: TerminalEmulator
GMT: GmtDebug
GPIB: GPIB
grammar: CedarSyntax
Grapevine: GVTools, Maintain, Peanut, PeekMail, SimpleMailer, Snoopy, WalnutSend
Graph: EtherLoad, Graphs
Graphic: BiScrollers
graphics: AISTools, Gargoyle, Histograms, ImagerExamples, ImagerPD, JaM, Sil
Graphics list: ImagerMemory
Grep: TopButtons, Trans
Grey Component Removal: ImagerFourColor
Griffin: GriffinToIP, PreView
groups: Maintain
GSL electron microscope: FrameBufferReader
hack: MetaCedar, PhoneList
halftone: InterpressToPD
Hardware: RasterController
hardware testing: CKViewer
Hash: IntChainedHashTable, Intervals, IntHashTable, IntToIntTab
Hash Table: IntChainedHashTable, IntHashTable, IntToIntTab
Heap: MemoryMonitor

XNSPrintingUI, XTSetter
interpret: PrettyPrint
Interpreter: CommandToolProcedures, JaM, Misp, RefTabPrint, StatementInterpreter, StatementInterpreterCommands
Interval: CodeTimer
Interval Timer: IntervalTimer
Intervals: Intervals
IntHashTable: IntToIntTab
IO: TerminalIO, TiogaStreams
IP: ArpaWatch
iterate: RepeatCommand
JaM: ImagerToJaM, InterpressConverters, JaMImager
JaM language: JaM, StyleTool, TiogaDWIM
Kaleidoscope: IdleHacks
key: Asserting
Keyboard: KeyboardTioga
keyset: Knobs
keyword: FindKeywords
keyword1: FileSpecification, XNSTools
keyword2: FileSpecification, XNSTools
keywords: ACFind
knob: Knobs
Knuth: MF
Label: IconHacks
language: CedarSyntax
late-night-hackery: XNSPrinting
Line: KeyboardTioga, Lines2d
LineDrawing: Draw2d
lines: Applied3d, Geometry3d
Link: Graphs
Lisp: GList, Misp
Lisp language: TiogaDWIM
list: Asserting, ColumnLs, FileCmds, GList
Lister: UsingDependencies
Load: EtherLoad
Loaded: VersionOf
Loadstate: VersionOf
Log: Logs, TerminalIO
Logical Word: KeyboardTioga
Logoff: RollbackAndAnything
Logout: RollbackAndAnything
logs: LoganBerry
lru: LRUCache

ls: ColumnLs
Lucasfilm: FrameBufferReader
Lupine: ArpaQuery
machine name: HostName
machine profile: ColorDisplay
macro: MetaCedar
mail: Fig, Peanut, PeekMail, SimpleMailer, Snoopy
mail message: Finch, Forms, Remember, WalnutSort
Make: MakeDo, MakeDoCommands
MakeDo: DFDependencies, GetFromRelease, SiroccoDWIM
Map: TextReplace
marble: Texture2D
Marshall: Kipper
MasterScope: TopButtons
Match: TextReplace
matching: RegularExpression
Math: CaminoReal
Math Editor: CaminoReal
Math functions: Math
Mathematical Expressions: CaminoReal
MathPackage: Math
Matrices: AlgebraStructures, Applied3d, CaminoReal, Geometry3d
MazeWar: MazeWar
Memory: MemoryMonitor
memory allocation: CircularGarbage
memory allocations: Spy
menu: PopUpMenus
menus: AtomButtons, TiogaButtons
Mesa language: TiogaDWIM, TiogaExecCommands
Message: CmdTest, FileCmds, Peanut
METAFONT: GFtoAC, GFtoPress, MF
Misp: Misp
modeling: Tube
Module: VersionOf
Module Nesting: VersionOf
Monitor: MemoryMonitor, SummonerMonitor
Monitoring: ArpaWatch
mouse: Cursory, FastMouse, KeyboardTioga, VisibleMouseClicks
Multibus: XBus
Multiple precision: BigCardinals
name: HostName
name lookup: NetTool
Navigate: Graphs

NCP: XNSPrinting
Neighbor: Graphs
Nest: StructuredStreams
Nested Modules: VersionOf
Network: Graphs, NetTool
network address: HostButton, HostName
network tools: PupEchoTool, PupNetWatcher, PupRouterTool, PupWatch, XNSChat, XNSPrintingUI
Networking: CourierBinding
New: TopButtons
nil data structures: RecursivelyNIL
Node: Graphs, KeyboardTioga
NS: NetTool
Object: StructuredStreams
Object-Oriented: Graphs
Object-Oriented Programming: AlgebraStructures
obsolete: SirPress
octree: Octree
OPEN: ExpungeOpens, TopButtons
OpenFile: FSRope
Order: MakeDo, MakeDoCommands
oscilloscope: PlotGraph
page description language: Interpress, InterpressTools
page faults: Spy
page layout: TiogaImager
Page Level Access: AlpineServer
parametric: PiecewiseFit
ParserGenerator: OneCasaba
parsing: GargoyleCore, OneCasaba, ThreeCasabaFour
Pascal: PascalRuntime, Tangle
Pascal Mesa translation compiler : PasMesa
PasMesa: PascalRuntime, Tangle
password: Maintain
Pattern: FileCmds, TextReplace
pattern matching: ACFind
Pattern Searching: Trans
pattern-matching: LoganBerryTools
pause: IntervalTimer
PD: PeachCommon
PD format: ImagerPD, InterpressToPD, PeachPrint, PreView
Peach: PeachPrint
Peekmail: Snoopy
PendingDelete: KeyboardTioga

performance: Celtics, CodeTimer, PupBSPTool
performance measurement: Celtics, CircularGarbage, PupEchoTool, Spy
Phone: PhoneList
Pickle: Kipper
pictures: AIS, AISSampleMaps, SampleMapUtils
PL: PLtoTF
Plane Geometry: Lines2d
planes: Applied3d, Geometry3d
platemaker: InterpressToPD, RasterController
Plot: Histograms
Point: KeyboardTioga
points: Applied3d, Geometry3d
pointset.: Contours
Polygon Hacks: PolyHack
polygons: Combiner
Polynomials: AlgebraStructures, CaminoReal
Pop-Up Menu: PopUpButtons
popup: PopUpMenus
postpone: RepeatCommand
power off: PowerOff
Press: GFtoPress, ImagerPress, InterpressConverters, PressScreen, PreView, SirPress
Press file: PressFileUtilities
PressEdit: PressFileUtilities
pretty: PrettyPrint
Pretty Print: StructuredStreams
prettyprint: ExpungeOpens
preview: PreView
Print: CommandToolProcedures, PrettyPrint
print proc: RefTabPrint
Print Service: XNSPrinting
Printer: ImagerFourColor
printing: Artwork, ImagerExamples, ImagerPD, ImagerPress, Interpress, InterpressConverters, InterpressTools, InterpressToPD, Nthtone, PeachCommon, PeachPrint, PressScreen, PrintColor, RasterController, SirPress, ViewersToIP, XNSPrintingUI
Procedure: CommandToolProcedures
Process: ProcessWatcher
Process Server: Summoner
processor id: HostButton
programming style: ExpungeOpens
programming tools: Celtics, EditorComforts, ExecHacks, GetFromRelease, JaM, SiroccoDWIM
Prompt: Promptery
proofread: SpellingTool

proofs: GFtoPress
properties: Properties
property: Asserting
Property list: Asserting
Property Lists: PLtoTF
protocol: STPServer
pseudo servers: TrickleChargeServer
Pup: ChatCommands, HostButton, HostName, NetTool, PupBootServer, PupBSPTool, PupDebug, PupEchoTool, PupEtherBoot, PupNetWatcher, PupRouterTool, PupWatch
PUP address: HostName, PupDebug
Pup-Network.txt: NetTool
queries: LoganBerryTools
query: LoganBerry
queue: SlackProcess
Quote: Cookie
random testing: ImagerExamples
Raster: RasterController
raster fonts: FontEdit, GFtoAC
Re-Hash: IntChainedHashTable, IntHashTable, IntToIntTab
read: TiogaStreams
Ready: ProcessWatcher
Reclamation: MemoryMonitor
Record: ViewRec
recovery: WalnutRescue
Rectangle Intersection: Intervals
Rectangles: Intervals
recurive functions: ThreeCasabaFour
reference: ExamineStorage
RefID: RefID
Refresh: BufferedRefresh
RefTab: IntChainedHashTable, IntHashTable, IntToIntTab, RefID, RefTabPrint
registration: Maintain
registry: IconRegistry
Regular Expression: Trans
regular expressions: RegularExpression
relation: Asserting
Release: RedirectDF
Reload: Ferret
reminder: Remember
Remote Terminal: RemoteTerminal
remote.: BridgeSubmit
Replace: TextReplace, Trans
Replay: ImagerMemory

sliders: Controls, Knobs
SModel: DFDependencies
smoke: Texture2D
snap-dragging: Gargoyle
Snippet: Cookie
software release: Catalog
source comparison: Waterlily
spelling checker: SpellingTool
spline fonts: FontEdit, ImagerIKTypeface
splines: Applied3d, CubicSplinePackage, Geometry3d
splines.: Tube
Spruce: ImagerPress
Squares.: Draw2d
stack-based language: JaM
Starfield: IdleHacks
Statement: StatementInterpreter, StatementInterpreterCommands
stderr: CommandToolProcedures
stdin: CommandToolProcedures
stdout: CommandToolProcedures
stipple pattern: FontEdit
Stop: ViewerAbort
STP: NSFileOps, STPServer
STREAM: CommandToolProcedures, FSRope, Logs, PupBSPTool, StructuredStreams, TiogaStreams
String: TextReplace
strip chart: Histograph
Structure: StructuredStreams
style files: Forms, TiogaDWIM
styles: StyleTool, TiogaImager
subdir: DirectoryList
subdirectory: DirectoryList
Substitute: TextReplace
Substitution: Trans
Subword: KeyboardTioga
Summoner: Summoner, SummonerMonitor
swat: KissOfDeath
symbol tables: RefTabPrint
Symbolic Mathematical Computation: AlgebraStructures, CaminoReal
SymTab: IntChainedHashTable, IntHashTable, IntToIntTab
syntax: CedarSyntax
syntax chart: SynChart
Tank: Tank
TCP: ArpaWatch

TCP/IP: ArpaQuery
teaching: VisibleMouseClicks
Technical Documents: CaminoReal
telephone management: Finch
Telnet: ChatCommands, XNSChat
Terminal: RemoteTerminal, TerminalEmulator, TerminalIO
Terminal Location: RemoteTerminal
TeX: InterpressTools, PLtoTF, SynChart
TeX82: TeX
Text: TextReplace, Trans
Text Replace: Trans
texture: Texture2D, ThreeDWorld
TFM: PLtoTF
thermal transfer printer: ImagerPD, InterpressToPD, PeachPrint
three-dimensional: Applied3d, Geometry3d, Octree
three-dimensional geometry: Tube
throughput: PupBSPTool
Time: CodeTimer, NetTool, Tempus
time parser: Tempus
timing: Spy
Tioga: Artwork, BravoToTioga, DebuggingWorld, KeyboardTioga, Peanut, PLtoTF, TiogaButtons, TiogaStreams, TopButtons
Tioga documents: PreView, SpellingTool, STPServer, TiogaExecCommands, TiogaImager, XNSPrintingUI, XTSetter
Tioga extensions: EditorComforts, TiogaDWIM
Tioga Tioga: StyleTool
TiogaButtons: TiogaButtons
TIP tables: TiogaExecCommands
Tone Reproduction Curve: Trc
Tools: GVTools
Transaction: AlpineServer
translation: NetTool, PascalRuntime
translator: Tangle
transparency: ThreeDWorld
Traverse: Graphs
TRC: AISTools, Trc
Tree: Graphs
TSetter: TiogaImager
TTY: TerminalEmulator
tube: Tube
tuning: FastMouse, Spy
Two-Dimensional: BiScrollers, Contours
Type Generic: GList
typefaces: FontEdit, GFtoAC, ImagerIKTypeface

Typescript: Logs
typesetting: ImagerPress, SirPress, StyleTool, TeX, TiogaImager, ViewersToIP, XTSetter
Unbound Import: NewRun
Unix: Bridge, BridgeSubmit
URDC: RasterController
user credentials: Maintain
user interface: AtomButtons, BiScrollers, Cursory, FastMouse, ViewRec
user interface techniques: TiogaButtons
user profile: AutoBackUp, ColorDisplay, EditorComforts, ExecHacks, FastMouse, Remember, SpellingTool
user-interface: Knobs, PopUpMenus
USING: UsingDependencies
value: Asserting
VAM: FileUtil, HistoVAM, ShowVAM
Vector: Lines2d
vectors: Applied3d, Geometry3d
Verify: DFDependencies
Versatec color plotter: ImagerPD, InterpressToPD, PreView
Versatec color printer: PeachPrint
version management: AutoBackUp
version map: CopyFromVersionMap, FileCmds, GetFromRelease
VersionStamp: VersionOf
Vertex: Graphs
Video Frame Grabber: SnipSnap
Viewer: Abutters, BiScrollers, Histograms, IconHacks, MemoryMonitor, PowerOff, PressScreen, PreView, ViewerAbort, ViewersToIP, ViewRec
viewers: ColorSchemeViewer, Controls, DebuggingWorld, DeskTops, Histograph, PlotGraph, SummonerMonitor, VBounce
viewers.: SimpleViewer
virtual desktops: DeskTops
virtual terminal: DebuggingWorld, IdleHacks
Visible: Histograms, VisibleMouseClicks
VM: HistoVAM, ShowVAM
voice mail: Finch
voice synthesizer: Finch
Volume Allocation Map: HistoVAM, ShowVAM
wait: IntervalTimer
walnut: Fig, FileCmds, ReadWalnutArchiveFile, WalnutKernel, WalnutRegistry, WalnutRescue, WalnutSort
Watch: Watcher
WEB: Tangle
whitespace: PrettyPrint, StructuredStreams
Whois: ArpaQuery
Word: KeyboardTioga

working directory: WorkingDirectory
Working Set: ComputeWorkingSet
write: TiogaStreams
writing aids: SpellingTool
WYSIWYG: CaminoReal
XNS: Bridge, Cartoon, CartoonViewer, CourierBinding, Filing5, Maintain, NetTool, NSFileOps, Sirocco, SiroccoDWIM, XNSChat, XNSPrinting, XNSPrintingUI
XNS print servers: XTSetter
xref: XRef
XTSetter: XTSetter
Zap: Lightning