

XEROX

Xerox Corporation
Palo Alto Research Center
3333 Coyote Hill Road
Palo Alto, California 94304

HYPERDESK and HYPERDESK-INIT

The HyperDesk (or "MobyDesk") sysout is a "Swiss Army Sysout" that includes much of the best local functionality. This includes Sketch, DictTool, PCL, CommonLens, Rooms, and Notecards. The HyperDesk-INIT file provides a powerful init file for HyperDesk Users as well as those that may use other sysouts but would like convenient access to HyperDesk functionality. This Init file can make life easier for those who don't hack their own init files by making it easier on those that are called in to do so. A reasonable goal is that users of this class wouldn't need separate init files and instead will be able to tailor thier environment through a control panel and automatic profile saving.

HYPERDESK

Author: Ramana Rao
Filed on: {EG:PARC:XEROX}<RAO>HYPERDESK>HYPERDESK.TEDIT;5
Last filed: April 26, 1988 14:14 PDT (Tuesday)
Copyright © 1987 by Xerox Corporation. All rights reserved.

DRAFT

HYPERDESK

The HyperDesk.SYSOUT is available from <LISP>LYRIC>BASICS> on your favorite Lisp Servers (i.e. IE: and PHYLUM). It contains the SKETCH, DICTTOOL, ROOMS, PCL, COMMON-LENS, and NOTECARDS.

\CC-HYPERDESK-MSG

[Variable]

When HYPERDESK is greeted, it automatically sends a LAFITE message to the maintainer. By default this message is CC'ed to the person using the sysout; this CC'ing can be disabled by setting the variable \CC-HYPERDESK-MSG to NIL in the users Init File.

Loading HYPERDESK-INIT

Loading HYPERDESK-INIT

The HYPERDESK-INIT file is available to PARC users of the Lyric release of Xerox Lisp. It can be found on the directory {EG:PARC:}<RAO>HYPERDESK>. Including the file command

```
(FILES (FROM LISPUSERS)
      "HYPERDESK-INIT")
```

in your personal INIT file will automatically load HYPERDESK-INIT when you start up a new Lisp.

HYPERDESK-INIT is essentially wrapping around GENERIC-INIT, so users of HYPERDESK-INIT should understand the essentials of GENERIC-INIT. Documentation for it is available from {EG:}<LANNING>LISP>USERS>GENERIC-INIT.TEDIT. Both of these centralized init files set variables and invoke operations that tailor the environment. Much of this behavior can be controlled or preempted by setting user parameters or special control variables either before or after the load of HYPERDESK-INIT. Two variables, LOGINHOST/DIR and HOME-MACHINE-NAME, must be set before the load of HYPERDESK-INIT (or at least setting them should be considered explicitly). These are used as control variables to GENERIC-INIT and are documented there.

An example of a minimal init file can be found on {EG:}<RAO>HYPERDESK>LYRIC-INIT. Any of these INIT files (HYPERDESK-INIT, GENERIC-INIT, LYRIC-INIT, my {EG:}<RAO>LISP>INIT-LYRIC or Stan's {EG:}<LANNING>LISP>LYRIC-INIT) can be

loaded prop into your sysout without any thing happening so you can see what would happen. The one caveat is that they will smash filecoms of files with the same name.

Tailoring HYPERDESK-INIT

Tailoring HYPERDESK-INIT

There are a number of variables that can be set before and after loading HYPERDESK-INIT to tailor its behavior to ones liking. In addition, users can also tailor GENERIC-INIT by setting variables documented in the GENERIC-INIT documentation. A few of the GENERIC-INIT variables (*LOAD-UTILITY-OPTIONS*) are used by HYPERDESK-INIT, so users should use the variables provided by HYPERDESK-INIT as described below before resorting to GENERIC-INIT variables. Unless otherwise noted, all symbols described are in the INTERLISP package.

Things you MAY do before loading

HYPERDESK-FULL-INIT-P [Variable]

When HYPERDESK-INIT is loaded, it will ask if it should do a full initialization. By default this message will time out, set this variable and continue to a full initialization. This is especially convenient for starting non-hyperdesk sysouts where you don't want to wait for special status hyperdesk functionality to be loaded.

HYPERDESK-BASE-MODULES [Variable]

HYPERDESK-MODULES [Variable]

HYPERDESK-EXTRA-MODULES [Variable]

These variables control what modules are loaded automatically by GENERIC-INIT. HYPERDESK-INIT initvars *LOAD-UTILITY-OPTIONS* to the append of these three variables in the order listed. *HYPERDESK-MODULES* is initialized to the special status hyperdesk modules (ROOMS, PCL, and COMMON-LENS, and a bunch of window types for ROOMS) unless *HYPERDESK-FULL-INIT-P* is NIL in which case *LOAD-UTILITY-OPTIONS* will not be touched. Note that these should all be lists of strings where the strings are the name of the package as seen on the Load Utility Menu (i.e. the name of the top level or only file of the module e.g. LoadPCL or COMMON-LENS). See GENERIC-INIT *LOAD-UTILITY-OPTIONS*.

HYPERDESK

HYPERDESK-SUITES-P [Variable]

HYPERDESK-AX-POCKETS-P [Variable]

HYPERDESK-AX-ORIGINAL-P [Variable]

HYPERFLOOR-SUITE-P [Variable]

HYPERDESK-SUITE-P [Variable]

HYPERDESK-USER-SUITES [Variable]

HYPERDESK-INIT provides some mechanisms for setting up initial suites. Setting *HYPERDESK-SUITES-P* to NIL will disable this facility altogether. Setting *HYPERDESK-AX-POCKETS-P* and *HYPERDESK-AX-ORIGINAL-P* to NIL will disable deletion of POCKETS and ORIGINAL rooms respectively. Setting *HYPERFLOOR-SUITE-P* and *HYPERDESK-SUITE-P* to NIL will disable loading of these two default suites respectively (note that disabling HYPERFLOOR suite will also disable the HYPERDESK Suite). Finally *HYPERDESK-USER-SUITES* should be a list of fully qualified file names that determine which suites get loaded initially.

Hyper Suites

HyperFloor and HyperDesk Suites

HyperFloor and HyperDesk Suites provide a basic framework for working with Rooms and other HyperDesk functionality.

HyperFloor provides three rooms: HyperPanel which is basic inclusion room, Help where eventually various buttons for getting documentation will be put, and the Boiler Room where buttons for fixing things and dealing with the HyperDesk in general will be put. One particularly important button in the Boiler Room is one that allows you to reload the HyperFloor so you can import any recent additions to the Boiler or Help Rooms.

HyperDesk provides two rooms: Mail Room and Office. Users should copy these rooms to make suites of their own and avoid working in these if they want to build their own suite.