

Software Release Notice



Onyx Systems, Incorporated

SRNOX1.4U
March 2, 1981

1. IDENTIFICATION OF NEW RELEASE

ONIX Release 1.4--Upgrade from a previous release

Tape Identification: ONYX SYSTEMS, Inc. 3/2/81
ONIX UPGRADE TAPE FROM RELEASES
AFTER 1.0 TO RELEASE 1.4
** LICENSED USE ONLY **

2. REASON FOR REVISION

A. Software changes.

To accomodate new prom in Z8000 processor board.

Two tape initial distribution system.

B. Hardware changes.

Changes to the configuration of the CPU card to improve electrical noise immunity, providing greater reliability.

Modification to the communications port I/O processor allows for faster thru-put. This modification required a corresponding change in the ONIX kernel.

C. New library support capabilities.

This version of the ONIX operating system has new libraries which provide floating point library support for language product compilers.

73 East Trimble Road
San Jose, California 95131
(408) 946-6330
TWX 910 338 2049

3. ITEMS OF WHICH TO BE AWARE

- A. The structure of the distributed portion of the UNIX(tm) file system must not be modified. Future software upgrades are based on the structure of the current distributed file system.
- B. The C Compiler ("zcc") is available as a separate software package; it is not included in the ONIX release.
- C. This release has floating point library support for language product compilers ONLY. It does NOT have UNIX floating point utilities.
- D. The on-line manual pages may differ from those supplied in the UNIX Programmer's Manual. These files are located under /usr/man. The command to print these files is "man [item]"

4. PROCEDURE FOR UPGRADING THE ONIX ENVIRONMENT FROM A PRE-
VIOUS RELEASE

1. Upgrade the ONIX files by inserting the upgrade tape and logging in as "root".

2. enter:

```
# cd / <CR>
# tar xv3 <CR>
```

3. enter:

```
# sync <CR>
# kill -1 1 <CR>
# sync <CR>
```

4. Reset the system by depressing the small red push button on the back of the machine.

5. Upgrade the system bootstraps by entering:

```
< t <CR>
```

The system will respond with:

```
boot
:
```

enter:

```
: cpres <CR>
```

Answer Y <CR> to the query.

6. At this point you need to bootstrap the system by entering a <CR>, then enter:

```
# date YYYYDDhhmm
```

```
to set date and time
```

```
: <CONTROL> D
```

to enter the multi-user mode. The console will display the ONIX system prompt, and is now booted and ready for use.

5. PROCEDURE FOR RECREATING THE ONIX ENVIRONMENT

It is unlikely you will have to recreate your system from tape. However, if you find it necessary to do so follow the instructions detailed in the Software Release Notice you initially received with your system. Then execute the upgrade instructions detailed in this document on page 3.

6. COMMANDS AVAILABLE WITH RELEASE 1.4

All of the commands listed in the UNIX Programmer's Manual, Volume 1 are released under ONIX except for the following:

TO BE RELEASED IN
THE FUTURE

WILL NOT BE CONVERTED DUE
TO MACHINE INCOMPATIBILITY

ac
awk
graph
iostat
lint
lookbib
nohup
plot
prof
pubindex
refer
sa
accton
spline
units
uucp
uulog
uux

as (PDP11 version)
bas
factor
lookall
mkconf
prime
roff
tp
vpr

The following utilities are supplied by the ONIX operating system in addition to those supplied by UNIX.

tension
openup
as (Z8000(tm) version)

The following standalone utilities are supplied with the ONIX operating system.

boot	getstat
checksec	icheck
cirstat	mkfs
cpres	recreate
dd	restor
format	spare
getspare	

The following language products will be or are available.

CURRENTLY AVAILABLE

WILL BE AVAILABLE

Ryan McFarland COBOL	f77
UCSD PASCAL	pcc
zcc	

All of the subroutines listed in the UNIX Programmer's Manual, Volume 1 are released under ONIX 1.4 except for the following:

- liby for yacc
- libdbm
- all plot libs

The following system calls are not implemented under ONIX:

- lock (lock process in memory)
- phys (allocate physical memory in process)

The following system calls have been added under ONIX:

- locking
- brkpt
- ugrow