

Installation Procedures
CONVEX Performance Analyzer (CXpa) V1.3
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CONVEX Computer Corporation

Installation Procedures, CONVEX CXpa V1.3

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Installing CONVEX CXpa V1.3

1. Mount the *installsw* tape that contains:
 - CXpa installation shell script (source)
 - CONVEX Performance Analyzer: *cpa* (executable)
 - CXpa runtime support (object)
 - *cpaMonitors_c1.o*
 - *cpaMonitors_c2.o*
 - (1) manual page
 - On-line Release Notice
2. Log in as root.
3. Make sure you are running under the C shell (*cs*)
4. Make sure you have "." in the environment variable *PATH*
5. Make sure you have 150 blocks of free disk space in */usr/lib*.
6. Make sure you have 2,000 blocks of free disk space in */usr/convex*.
7. Run the *installsw* script as shown below.

installsw must be run on a machine with a tape drive but the actual installation may be on any machine in the same cluster.

8. Follow the appropriate set of instructions. If installing on a machine that has a tape unit, follow the first set of instructions. If installing on a tapeless processor over the network, follow the second set of instructions.
9. The existing installed CXpa is saved as */usr/convex/cpa.old* and the runtime objects as */usr/lib/cpaMonitors_c1.o.old* and */usr/lib/cpaMonitors_c2.o.old* as indicated by a message. The existing CXpa can be restored by de-installing CXpa v1.3.

You are now finished with the installation.

1.1 Installation on a machine with a tape drive

```
> tpmount -a /dev/rmt20          (user input)
Tape device /dev/rmt20 allocated.
> /etc/installsw                (user input)
Tape device is /dev/rmt12
Installsw: enter '?' for command list.
-> i
Tape device is /dev/rmt12
```

**** Installsw Header File From Tape ****

```
Copyright 1991 CONVEX Computer Corp.
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CREATED ON Wed Sep 11 13:34:57 CDT 1991
710-005715-006 CXpa, release 1.3 3
Display again [y,n] (n) -> n      (user input)
Proceed with installation [y,n] (n) ? y      (user input)
```

Choose the type of installation you want to perform:

```
LOCAL      --> install on this machine
REMOTE     --> install on a remote machine
ABORT      --> abort installation
```

```
Enter your selection now --> 1      (user input)
```

Setting up installation environment. Hang on...

```
tar: blocksize = 65536 blocking = 84
This tape contains only release 1.3 of CXpa.
```

```
Do you wish to install or de-install it? install (user input)
[Installing CXpa v1.3]
Target directory [/]? (user input)
```

Removing existing components, please wait...

```
Saving file: /usr/convex/cpa as /usr/convex/cpa.old
Saving file: /usr/lib/cxpaMonitors_c1.o as /usr/lib/cxpaMonitors_c1.o.old
Saving file: /usr/lib/cxpaMonitors_c2.o as /usr/lib/cxpaMonitors_c2.o.old
Done.
```

Reading tape...

Reading logical tape 0: executables...Done.

Done Reading tape

CXpa requires an activation key.

```
What are your activation keys? <your activation key> (user input)
```

Activating executable /usr/convex/cpa, please wait...Done.

Now testing activation of CXpa, please wait...Done.

Verifying files were installed correctly, please wait...

Done.

CXpa v1.3 installation complete.

Done processing install tape

-> q
> tpunmount

(user input)
(user input)

1.2 Installation on a tapeless machine from another machine

```
> tpmount -a /dev/rmt20          (user input)
Tape device /dev/rmt20 allocated.
> /etc/installsw                (user input)
Tape device is /dev/rmt12
Installsw: enter '?' for command list.
-> i
Tape device is /dev/rmt12
```

**** Installsw Header File From Tape ****

```
Copyright 1991 CONVEX Computer Corp.
All rights are reserved.
CREATED ON Wed Sep 11 13:34:57 CDT 1991
710-005715-006 CXpa, release 1.3 3
Display again [y,n] (n) -> n      (user input)
Proceed with installation [y,n] (n) ? y      (user input)
```

Choose the type of installation you want to perform:

```
LOCAL    --> install on this machine
REMOTE   --> install on a remote machine
ABORT    --> abort installation
```

Enter your selection now --> r (user input)

You have chosen to do a REMOTE installation.

Enter the name of the remote machine as you would refer to it when using networking commands (such as rlogin) from this machine.

If you wish to abort the installation, enter ABORT.

```
Enter the hostname now --> imagine      (user input)
Verifying ability to rsh to and from imagine...
```

Setting up installation environment. Hang on...

tar: blocksize = 65536 blocking = 84

This tape contains only release 1.3 of CXpa.

```
Do you wish to install or de-install it? install      (user input)
[Installing CXpa v1.3]
Target directory [/]?                               (user input)
```

Removing existing components, please wait...

Saving file: /usr/convex/cpa as /usr/convex/cpa.old

Saving file: /usr/lib/cxpaMonitors_c1.o as /usr/lib/cxpaMonitors_c1.o.old

Saving file: /usr/lib/cxpaMonitors_c2.o as /usr/lib/cxpaMonitors_c2.o.old

Done.

Reading tape...

Reading logical tape 0: executables...Done.

Done Reading tape

CXpa requires an activation key.
What are your activation keys? **<your activation key>** *(user input)*
Activating executable /usr/convex/cpa, please wait...Done.
Now testing activation of CXpa, please wait...Done.

Verifying files were installed correctly, please wait...
Done.
CXpa v1.3 installation complete.

Done processing install tape
-> **q** *(user input)*
> **tpunmount** *(user input)*

1.3 Possible Error Messages from Installation

Installation error. Script for CXpa can't install CXpa. Aborting CXpa installation.

The installation's software's environment is damaged and can not install CXpa. Contact the CONVEX Technical Assistance Center.

Hmm, you're lucky to have gotten this far -- you're only at release 8.1 of ConvexOS, and you really need to be at least release 9.0.

Install the indicated version of CONVEX OS before attempting the installation again.

Error reading logical tape 0. Installation aborted.

The install tape has somehow been corrupted. Contact the CONVEX Technical Assistance Center.

You must be superuser to install CXpa.

Only the superuser ("root") can install CXpa.

Now testing activation of CXpa, please wait...Failed.
That activation key is not valid for this machine.

This is caused by a mismatch between the machine serial number, the product and the activation key entered during installation. Contact the CONVEX Technical Assistance Center.

The directories and files installed did not match the data in the verify database. This may be due to several reasons as indicated by the output of the verify utility just run. Most typically discrepancies arise in the ownership or modes of various system directories. Investigate the output of verify and decide if you wish to continue.

This error will not necessarily prevent correct installation of CXpa. Try compiling a small sample program for use with CXpa and invoked CXpa on the program's executable image.

NOTES:

- The profiler, *cpa*, is installed into */usr/convex*.
- The runtime support is installed into */usr/lib*.
- The old profiler, runtime support, manual page, and on-line Release Notice are saved as */usr/convex/cpa.old*, */usr/lib/cxpaMonitors_c1.o.old*, and */usr/lib/cxpaMonitors_c2.o.old*. They may be removed if you do not wish to retain the old version of CXpa.
- The (1) manual page is installed in */usr/man/man1*.
- The on-line Release Notice is installed into */usr/doc*.

