

Installation Procedures
CONVEX CXdb V1.1
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CONVEX Computer Corporation

Installation Procedures, CONVEX CXdb V1.1

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Installing CONVEX CXdb V1.1

Product Prerequisites

The following products (at the indicated revisions) are required to install and use CXdb V1.1.

- CONVEX FORTRAN V7.0 (*if you wish to debug FORTRAN code*)
- CONVEX C V4.1, V4.3.0.1, or later (*if you wish to debug C code*)
- To work with the CONVEX FORTRAN V7.0 compiler you must have ConvexOS V9.1, ConvexOS V10, or later.
- To work with the CONVEX C V4.1 compiler you must have ConvexOS V9.1 or later.
- To work with the CONVEX C V4.3.0.1 compiler you must have ConvexOS V10.0 or later.
- To use the X window system features of CXdb you must have CONVEX CXwindows V2.1.

Installation Procedure

1. Mount the *installsw* tape that contains:
 - CXdb installation shell script (source)
 - CONVEX Visual Debugger: *cxdb* (executable)
 - CXdb on-line help database (data)
 - CXdb on-line tutorial (executable and data)
 - (1) manual page
 - Gdb and *csd* compatibility files, *gdb_aliases* and *csd_aliases*, respectively. Also, this release contains a default initialization file, *global_cxdbinit*.
 - 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. You will need the following amounts of free space (indicated in Kilo-bytes) in the specified areas (the installation script will check this automatically for you):
 - 8000 in *usr/lib/cxdb*
 - 6000 in *usr/convex*
 - 200 in *usr/bin/X11*
 - 20 in *usr/man/man1*
 - 40 in *usr/doc*
6. 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.
7. 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. Note that all prompts which contain an entry in square brackets “[]” provide a default answer of the text within the brackets. Just press return to accept the default response.

You are now finished with the installation.

Installation on a machine with a tape drive

```
> tpmount -a /dev/rmt20 (user input)
Tape device /dev/rmt20 allocated.
> installsw -d /dev/rmt20 -i (user input)
Tape device is /dev/rmt20
```

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

```
Copyright 1991 CONVEX Computer Corp.
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CREATED ON [date]
710-008215-[...] CXdb, release [version]
```

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 = 64
This tape contains only release [...] of CXdb.
```

```
Do you wish to install or de-install it? i (user input)
[Installing CXdb V1.1]
Target directory [/]? (user input)
```

```
Removing existing components, please wait...
[... Various deletions ...]
```

```
[... Read logical tapes ...]
```

```
cxdb requires an activation key.
What are your activation keys? <your activation key> (user input)
[Activate, test cxdb executable, and verify files]
```

```
cxdb [...] installation complete.
Done processing install tape
> tpunmount (user input)
```

Installation on a tapeless machine from another machine

```
> tpmount -a /dev/rmt20 (user input)
Tape device /dev/rmt20 allocated.
> installsw -d /dev/rmt20 -i (user input)
Tape device is /dev/rmt20
```

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

```
Copyright 1991 CONVEX Computer Corp.
All rights are reserved.
CREATED ON [date]
710-008215-[...] CXdb, release [version]
```

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 --> <remote host> (user input)
Verifying ability to rsh to and from remote_host...
```

```
Setting up installation environment. Hang on...
This tape contains only release 1.1 of CXdb.
```

```
Do you wish to install or de-install it? i (user input)
```

```
[Installing CXdb V1.1]
Target directory [/]? (user input)
```

```
Removing existing components, please wait...
[... Various deletions ...]
```

```
[... Read logical tapes ...]
```

```
cxdb requires an activation key.
What are your activation keys? <your activation key> (user input)
Activating executable /usr/convex/cxdb, please wait...Done.
[Activate, test cxdb executable, and verify files]
```

```
cxdb V[...] installation complete.
Done processing install tape
> tpunmount (user input)
```

NOTES:

- The debugger, *cxdb*, is installed into */usr/convox*.
- The CXdb configuration files, on-line help database, and tutorial are installed into */usr/lib/cxdb*.
- The example programs for use with the *CXdb User's Guide* are installed into */usr/lib/cxdb/examples*
- The (1) manual page is installed in */usr/man/man1*.
- The on-line Release Notice is installed into */usr/doc*.
- *gdb_aliases*, *csd_aliases*, and *global_cxdbinit* are installed into */usr/lib/cxdb*.