
CONVEX FORTRAN V8.0

Installation Procedures

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Installation Procedures
CONVEX FORTRAN V8.0
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Installation Procedures for CONVEX FORTRAN V8.0

Before you begin the installation, you should:

- gather the necessary information,
- ensure the specified resources are available, and
- ensure the required versions of certain other products are installed.

Required information, resource requirements, and pre-requisites:

- The pre-requisites for CONVEX FORTRAN V8.0 are:

ALL V2.0, including the FORTRAN libraries, **ld** and **as**
ConvexOS 9.1 or later

These should be installed PRIOR to installing CONVEX FORTRAN V8.0. Although this product can be installed without these prerequisites, it is unlikely to work as expected.

- The activation key. This product is serial number protected. The necessary activation key is usually provided with the product tape. If it is not available, the TAC (CONVEX's Technical Assistance Center) can provide one. You can reach the TAC within the continental U.S. at (800)-952-0379; elsewhere, contact your CONVEX representative. The part number (required to get an activation key) for CONVEX FORTRAN V8.0 is 720-000515-229. You will also need to know the serial number of your system.

You will be prompted for the activation key during the installation process.

- Sufficient disk space to install the compiler and associated files:
 - The compiler executables and related files (module F) require about 5.3mb of space.
 - The man pages (module manpages) require about 240kb.
 - The release notes (module relnotes) require less than 50kb.
 - The installer will require about 10mb in the directory you supply for temporary use during the installation (usually in /tmp).

The installer will prompt you for the directories in which to install the various product components. The "default" directory will be printed, enclosed in "[]"s. If you do not supply a directory name, the default directory will be used. If you do supply a directory name, various files will be installed relative to that directory, and a symbolic link will be made from the "default" location to the actual location of those files. An alternate directory is required only when insufficient disk space is available in the file system containing the "default" directory.

This compiler will replace the previously installed production release of a CONVEX FORTRAN (such as V6.1 or V7.0.2).

The installation script will check for the existence of several old FORTRAN libraries. These old libraries were shipped with CONVEX FORTRAN V6.1 and were instrumented for use with CXpa. Only CONVEX FORTRAN V6.1 uses these libraries. If you no longer use CONVEX FORTRAN V6.1, and the installation script finds these libraries, you should answer "yes" when asked if these libraries should be deleted.

Users should read the release notice for CONVEX FORTRAN V8.0 before using this product. A copy will be installed in `/usr/doc/v8.0fc.relnotes`. A printed copy of the release notice is distributed with each tape.

How to install CONVEX FORTRAN V8.0

- Log in as *root* or another *superuser*.
- Mount the *installsw* tape that contains CONVEX FORTRAN. Remove the "write ring" from 9 track tapes first.
- Choose an appropriate device. A *no rewind* device is required. If you have a 9 track tape, `/dev/rmt20` is appropriate. If you have a DAT tape, `/dev/rdat0n` is appropriate.
- Enter commands and responses as shown in the example that follows. User specified commands and responses are shown in **bold**. Please tailor your responses as needed. The word *return* is used to indicate typing the "return" key.

The following example is an annotated "snapshot" of an actual installation. The left column contains comments on the installation and responses the user is prompted for. The right column contains the text printed by the installer, as well as **user commands** and **responses**. The responses may need to be tailored to your particular system.

CAUTION: This particular example does *not* show all possible interactions with the installer. Depending on disk space availability and other software installed (particularly the ALL product and ConvexOS), other messages may be written by the installer, and other questions may need to be answered. If the installation tape is "stacked" (contains other products), there will be additional steps in the installation process where the products to be installed can be selected.

Please note that the actual text printed during an installation may vary slightly, depending on the version of the installer used for a particular product tape.

```

Reserve the      # tpmount -a /dev/rmt20 -m char -R
tape drive

Invoke          Tape device /dev/rmt20 allocated.
installsw      # /etc/installsw -d /dev/rmt20 -i

Tape device is /dev/rmt20

** Installsw Header File From Tape **

Copyright 1992 CONVEX Computer Corp.
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CREATED ON Wed Nov 11 08:12:35 CDT 1992
720-000515-229 CONVEX FORTRAN, release 8.0 7

Choose the type of installation you want to perform:

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

Enter local or  Enter your selection now --> local
remote.

Setting up installation environment. Please wait ...
tar: blocksize = 65536 blocking = 72

This tape contains only release 8.0 of CONVEX FORTRAN.
Enter install. Do you wish to install or de-install it? install
[Installing CONVEX FORTRAN v8.0]
--
CONVEX FORTRAN
Version 8.0
install started on Wed, Nov 18, 1992 at 08:18:33
using Generic Installer 1.3.0.2

Do you wish to install CONVEX FORTRAN Version 8.0 as the default production
software on MachineName? yes

CONVEX FORTRAN Version 8.0 will be installed in a temporary location,
verified, and then moved to the actual target location(s).

Enter return  What filesystem do you want to use for temporary work space [/tmp]?
or a directory
name

Reading non-deliverable archive fortran.nondeliv.tar ...Done.
Reading logical file fortran.relnotes.tar ...Done.
Reading logical file fortran.manpages.tar ...Done.
Reading logical file fortran.F.tar ...Done.

CONVEX FORTRAN must be stamped with an activation key that authorizes
execution on machineName. Activation keys are unique for each installation; you
must have activation keys for your specific machine(s).

```

Activation keys are shipped with the CONVEX Software Distribution tapes. If the activation keys cannot be located, the TAC (CONVEX's Technical Assistance Center) can provide you with the keys for your site. Please contact the TAC with the part number for this product and serial number(s) for the machine(s) you wish to install (the part number for CONVEX FORTRAN is 720-000515-229).

If you do not enter an activation key at this time, the installation of CONVEX FORTRAN will be aborted.

Enter the
activation
key.

What are your activation keys? xxx-xxxxx-xxx

Now verifying CONVEX FORTRAN was installed or activated correctly...
Test /tmp/install12710stage/clean.csh PASSED.

Now verifying CONVEX FORTRAN was installed or activated correctly...
--- running activation key and product tests
--- fc activation key test passed
--- fc product test passed
Test /tmp/install12710stage/tstfc.csh PASSED.

CONVEX FORTRAN normally installs relative to the following load point(s):

Module	Archive	Load point
relnotes	fortran.relnotes.tar	/usr
manpages	fortran.manpages.tar	/usr/man
F	fortran.F.tar	/usr

You may choose to install this product in an alternate location. The product structure will be duplicated in the alternate filesystem and appropriate links created. However, any files requiring an absolute load point will NOT be placed in an alternate location. An alternate may be specified for each load point listed above.

Enter *return*
or a directory
name

Where do you wish to install F (fortran.F.tar) [/usr]? /scratch/fc80

Enter *return*
or a directory
name

Where do you wish to install manpages (fortran.manpages.tar) [/usr/man]?

Enter *return*
or a directory
name

Where do you wish to install relnotes (fortran.relnotes.tar) [/usr/doc]?

Enter *yes*.

If a version of this product exists in the target location, it will be moved to /usr/convex/oldfc. Any existing files will be overwritten. Do you wish to continue? *yes*

Nov 18, 1992 08:25:39 MachineName GIP[xxxxx]: fc V8.0 installed by xxxx

Removing the temporary files ...
Done.

Installation of CONVEX FORTRAN completed successfully!

Trace file may be found in machineName:/tmp/install12647script.

makewhatis should be run on the newly installed manpages. Please select one of the following options:

Pick one of
these options
(1-4)

- 1 Run makewhatis now (in foreground)
 - 2 Run makewhatis now (in background)
 - 3 Don't run makewhatis
 - 4 Save the makewhatis command file to run later
- ? 2

catman should be run on the newly installed manpages. Please select one of the following options:

Pick one of
these options
(1-4)

- 1 Run catman now (in foreground)
 - 2 Run catman now (in background)
 - 3 Don't run catman
 - 4 Save the catman command file to run later
- ? 2

Processing of installation media complete.

Trace file may be found in machineName:/tmp/install12647script.

Free the tape
drive

tpunmount

