

**Installation Procedures**  
**CONVEX Consultant V8.2**  
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**CONVEX Computer Corporation**  
Richardson, Texas USA

*Installation Procedures, CONVEX Consultant V8.2*

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# Installing CONVEX Consultant V8.2

## 1.1 Installing the Consultant software

The primary reason for the Consultant V8.2 release is to provide a version of *csd* that works with CONVEX C V4.0 and CONVEX FORTRAN V6.0.

This document contains instructions for product installation. The distribution media for this release is a 6250-bpi *installsw(8)* format magnetic tape. Installation may be on a local computer with a tape drive, or on a tapeless remote computer.

ConvexOS release V8.0 or later is required for installation. Installation is simple and should take no more than a few minutes.

The installation procedure displays informative progress messages. You can ignore them. If the procedure encounters a problem and cannot continue, you are notified with an error message (usually punctuated by a terminal bell and the heading, "\*\*\*\* ERROR!"). If it is obvious how to correct the problem (for example, you are not logged in as "root"), make the correction and restart the installation procedure. Otherwise, contact the CONVEX Technical Assistance Center (TAC) for further information.

Log in with root privileges. Mount the *installsw* tape and type the following ConvexOS commands

```
tpmount
installsw -i
```

The installation procedure prompts you for the installation mode. Respond by entering **remote**, **local**, or **abort**. *Remote* mode is intended for machines that do not have a local tape drive. If the machine on which you are installing Consultant has a tape drive, you should perform the installation locally at that machine.

You cannot do a *remote* installation on a local machine. If you respond with the local machine's name, you are asked to re-enter the remote machine name. The installation then verifies that the remote machine is accessible and attempts to mount the */usr* and */tmp* partitions on the remote machine.

The default login shell for root on the remote machine must be */bin/csh*.

For more information on this release of the Consultant, see *Release Notice, CONVEX Consultant V8.2*.

## 1.2 Performing a Local Installation

To begin a *local* installation of Consultant, perform the tasks listed below. (Figure 1-1 presents a sample local installation.)

1. Log in as "root" on the system console.
2. Verify that you have sufficient disk space in the */tmp* and */usr* file partitions by entering the following two commands:

```
df /tmp
df /usr
```

You must have at least 900 kbytes free in each partition.

3. Mount the release tape on tape unit 0.
4. Enter */etc/installsw -i*

The installation procedure asks you what type of installation you wish to do; enter *local* or *LOCAL* when asked. The installation should proceed from this point without further assistance. If the procedure does fail and the reason for failure is not evident, contact the CONVEX Technical Assistance Center (TAC) for further instructions.

5. Enter */usr/lib/makewhatis*

### 1.3 Performing a Remote Installation

To install the release on a tapeless machine, the Ethernet is used. The remote machine must be properly configured into the network, and the ConvexOS V8.0 networking utilities release must be installed on both the local and remote machines.

To begin a *remote* installation of Consultant, perform the tasks listed below. (Figure 1-2 presents a sample remote installation.)

1. Log into the *remote* machine as "root" on the system console.
2. Verify that you have sufficient disk space in the */tmp* and */usr* file partitions by entering the following two commands:

```
df /tmp
df /usr
```

You must have at least 900 kbytes free in each partition.

3. If root's default login shell on the remote machine is not */bin/csh*, then use */etc/vipw* to change the default shell to */bin/csh*. Log out of the remote machine.
4. Mount the release tape on the *local* machine's tape unit 0.
5. Log into the *local* machine as "root" on the system console.
6. Verify that you have sufficient disk space in the */tmp* file partition by entering

```
df /tmp
```

You must have at least 900 kbytes free in the */tmp* partition.

7. Enter */etc/installsw -i* on the *local* machine.

The installation procedure asks you what type of installation you wish to do; enter *remote* or *REMOTE* when asked.

The installation procedure asks you for the remote machine's name. Respond with the name that you used in step 1 above.

The installation should proceed from this point without further assistance. If the procedure does fail and the reason for failure is not evident, contact the CONVEX Technical Assistance Center (TAC) for further instructions.

8. Enter */usr/lib/makewhatis* on the remote machine.

### Figure 1-1: Sample Consultant Software Local Installation

```

# /etc/installsw -l
-----

CONVEX Computer Corporation
Consultant V8.2

-----

--- Mounting the /tmp partition.

--- Machine Identification:

Choose the type of installation you want to do:
LOCAL      --> install on this machine
REMOTE     --> install on a remote machine
ABORT      --> abort installation

Enter your selection now. --> local

--- Verifying version of /vmunix on this machine.

--- CONVEX Consultant V8.2

--- Consultant installation started on Tue Feb 14 07:39:56 GST 1990.

--- Checking free space in /usr

--- Removing prior version of CONVEX Consultant.

--- Extracting CONVEX Consultant V8.2 from tar tape.

--- Adding message to /etc/motd.

--- CONVEX Consultant V8.2 installation completed on Tue Feb 14 07:40:29 GST 1990
Tape device is /dev/rmt12 (1600 BPI)

** Installsw Header File From Tape **

Copyright 1990 CONVEX Computer Corp.
All rights are reserved.
CREATED ON Tue Feb 14 07:26:58 1990

CONVEX Computer Corporation
CONVEX Consultant
Version V8.2

Copyright (c) 1985, 1986, 1987, 1988, 1989, 1990 CONVEX Computer Corporation

```

### Figure 1-42: Sample Consultant Software Remote Installation

```

# /etc/installsw -l
-----
CONVEX Computer Corporation
Consultant V8.2

-----

--- Mounting the /tmp partition.

--- Machine Identification:

Choose the type of installation you want to do:
LOCAL      --> install on this machine
REMOTE     --> install on a remote machine
ABORT      --> abort installation

Enter your selection now. -->

You have chosen to do a REMOTE installation.

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

--- Enter your selection now. -->

--- Verifying ability to talk to remote machine 'convexe'.

--- Checking free space in /tmp/cons on local machine.

--- Mounting the /usr partition on 'convexe'.

--- Mounting the /tmp partition on 'convexe'.

--- Verifying version of /vmunix on remote machine 'convexe'.

** **

--- CONVEX Consultant V8.2

--- Consultant installation started on Tue Feb 14 09:21:05 CST 1990

--- Checking free space in convexe:/usr

--- Extracting CONVEX Consultant V8.2 from tar tape.

--- Removing prior version of CONVEX Consultant on convexe.

--- Consultant files now being moved to convexe:/

--- Adding message to /etc/motd on 'convexe'.

-----
--- CONVEX Consultant V8.2 installation completed on Tue Feb 14 09:23:35 CST 1990
Tape device is /dev/rmt12 (1600 BPI)

```

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

Copyright 1988 CONVEX Computer Corp.  
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CREATED ON Tue Feb 14 17:31:13 1990

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CONVEX Consultant  
Version V8.2

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