DIGITAL DSNlink Version 2.2C for OpenVMS Installation Guide

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This document describes the installation of DSNlink Version 2.2C, an engineering change order (ECO) kit. Installing the DSNlink Version 2.2 for OpenVMS software is a prerequisite.

Revision/Update Information:	This is a revised document.
Operating System and Version:	OpenVMS VAX Version 6.2 or higher
Software Version:	DSNlink Version 2.2C for OpenVMS

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Preface

The Purpose of the Kit

DSNlink Version 2.2C contains bug fixes and some new features for DSNlink Version 2.2. For more information, see the *DSNlink Version 2.2C Release Notes*.

Audience

This guide is intended for the system manager who installs DSNlink software.

Where to Get DSNlink Kits

DSNlink Version 2.2 for OpenVMS is a prerequisite to DSNlink Version 2.2C. If you have not installed DSNlink Version 2.2, you can get it from the following locations:

- The DSNlink website:

  http://www.service.digital.com/dsnlink/

  Click on Download Kits.

- This anonymous FTP directory:

  ftp.service.digital.com

  Set default to the directory that contains the kit you want to install. For example:

  ```
  ftp> cd /public/DSNlink/ovms-alpha/
  ```

  Or:

  ```
  ftp> /public/DSNlink/ovms-vax/
  ```

  The directory and file names are case-sensitive. Be sure to type them as shown above.

The Readme files with each kit explain how to proceed.

1
Preparing to Install DSNlink

This section describes the preinstallation requirements for DSNlink Version 2.2C.

1.1 Preinstallation Checklist

Use the following checklist ☐ ☑ to ensure that your system has the prerequisites for installing DSNlink Version 2.2C for OpenVMS:

☐ Install DSNlink Version 2.2 for OpenVMS and perform the postinstallation tasks.

For the location of the documentation and software, see the Preface.

To see if DSNlink is installed, use this command:

```
$ DSN SHOW VERSION
```

If DSNlink Version 1.2 for OpenVMS is installed, the command is not recognized.

☐ Rename any modem scripts you want to continue using.

The DSNlink Version 2.2C installation procedure overwrites your current modem scripts with new scripts if the script names are identical. If you use a modem and want to continue using its dialer script, rename the script to keep. For example:

```
$ SET DEFAULT DSN$DATA
$ RENAME CO2264.DDSF_SRC CO2264_KEEP.DDSF_SRC
```

After the installation, rename the script back to its original name.

For more information about modem scripts, see the *DSNlink Version 2.2C for OpenVMS Release Notes*.

☐ Make sure you have enough disk space. The following are the kit sizes for the Alpha and VAX kits after the installation:

Table 1–1 DSNlink Version 2.2C Kit Sizes

Platform	Size in Blocks
Alpha	9,900
VAX	10,000

The combined kit, which you download, is approximately 18,500 blocks. The installation procedure deletes the unneeded files. For example, if you install DSNlink on an Alpha system, DSNlink deletes the files for VAX systems.

☐ Verify that the account from which you will install DSNlink has SETPRV or at least the following privileges:

CMKRNL
DETACH
NETMBX
SYSPRV
SYSNAM
SYSLCK
TMPMBX
WORLD

☐ Make sure there are no running DSNlink Version 2.2 for OpenVMS modem daemons.

The installation procedure checks for running modem daemons. If any are found, a prompt asks if you want to have the installation procedure stop them. Answering Y or Yes interrupts the processes and daemons, which could annoy users. Answering N or No causes the installation procedure to exit.

Note that users can continue to use DSNlink on other non-modem transports, such as TCP/IP, during the installation.

☐ Make sure the Queue Manager is running.

☐ Verify that the queue SYS$BATCH exists.

☐ Back up your system disk.

1.2 A Correction to the DSNlink Version 2.2 Installation Guide

The *DSNlink Version 2.2 for OpenVMS Installation Guide* has incorrect minimum values for the MAXBUF parameter. The value was listed as 1200 for both Alpha and VAX. It should be 8192 for both systems.

Table 1–2 lists the minimum required SYSGEN values for installing and running DSNlink Versions 2.2 and 2.2C.

Table 1–2 Required System Parameters

SYSGEN Parameter	Minimum Value
SCSNODE	Must be defined
SCSSYSTEMID	Must be defined
MAXBUF	Alpha: 8192 VAX: 8192
TTY_ALTYPAHD[1]	Alpha: 2048 VAX: 2048
GBLPAGES	Alpha: 6623 VAX: 6754
GBLSECTIONS	Alpha: 21 VAX: 33

[1]TTY_ALTYPAHD is checked only if you choose the modem transport.

Also, the Installation Guide states that if you enter more than one access number when installing DSNlink Version 2.2, only the first access number is tested during the installation verification procedure (IVP). That is incorrect. DSNlink

tests all access numbers you enter during the installation procedure. If any access number fails, the Network Exerciser messages notify you.

1.3 Kit Contents

The DSNlink Version 2.2C kit contains the following items:

- DSNLINKC022.A - the save set for both Alpha and VAX systems
- The release notes:

  DSNLINK022C_RELEASE_NOTES.TXT - the text version
  DSNLINK022C_RELEASE_NOTES.PS - the PostScript version
- The installation guide (this document):

  DSNLINK022C_INSTALL_GUIDE.TXT - the text version
  DSNLINK022C_INSTALL_GUIDE.PS - the PostScript version

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A Sample DSNlink Version 2.2C for OpenVMS Installation

Before you start a DSNlink Version 2.2C installation, verify that your system meets the prerequisites listed in Section 1.1.

2.1 A Sample Installation

Example 2–1 shows a sample DSNlink Version 2.2C installation on an Alpha system. The DSNlink kit was previously copied to the SYS$UPDATE directory.

Example 2–1 Sample DSNlink Version 2.2C Installation

```
$ SET DEFAULT SYS$UPDATE
$ @VMSINSTAL DSNLINKC022 ddcu:[dir]❶

OpenVMS AXP Software Product Installation Procedure V6.2
It is 1-FEB-1999 at 12:12.
Enter a question mark (?) at any time for help.
%VMSINSTAL-W-NOTSYSTEM, You are not logged in to the SYSTEM account.
%VMSINSTAL-W-ACTIVE, The following processes are still active:
       DECW$SERVER_0
       DECW$MWM
       DECW$Clock
       DECW$TE_005C
       DECW$TE_005F
       DECW$TE_0064
       DECW$TE_006D
       line-000

* Do you want to continue anyway [NO]? Y
* Are you satisfied with the backup of your system disk [YES]? Y

The following products will be processed:
  DSNLINKC V2.2
Beginning installation of DSNLINKC V2.2 at 12:12

%VMSINSTAL-I-RESTORE, Restoring product save set A ...

* Do you wish to continue the installation [NO]? Y

%VMSINSTAL-I-RELMOVED, Product's release notes have been moved to SYS$HELP.

******************************************************************************

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```

(continued on next page)

Example 2–1 (Cont.) Sample DSNlink Version 2.2C Installation

```
       This software has been installed and enabled to enhance the
       maintenance services provided by DIGITAL.  Use of this software
       by anyone other than DIGITAL maintenance personnel is not permitted
       without a license.  Customers who have signed a DIGITAL Service
       Agreement ("Agreement") have been granted such a license for their
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*******************************************************************************

        Note: You can enter a question mark (?) when prompted for
              input and a detailed explanation will be displayed
              about what information is needed.

%DSNLINKC-I-PREINSTALL, Checking for required privileges

%DSNLINKC-I-PREINSTALL, Checking for minimum version of OpenVMS

%DSNLINKC-I-PREINSTALL, Checking for minimum version of DSNlink

%DSNLINKC-I-PREINSTALL, Checking for existing DSNlink directory tree

%DSNLINKC-I-PREINSTALL, Checking for sufficient free blocks on system disk

%DSNLINKC-I-PREINSTALL, Checking for executing Queue Manager

%DSNLINKC-I-PREINSTALL, Checking for SYS$BATCH batch queue

%DSNLINKC-I-PREINSTALL, Checking for running DSNlink modem processes

        DSNlink modem processes are currently running on this system.
        In order to continue with this installation, they must be shut
        down, which will terminate all existing modem links. If you
        decide to proceed, this installation procedure will shut down
        the DSNlink modem processes.

* Do you want to continue with the installation of DSNlink? [NO]? Y (2)

%DSNLINKC-I-PREINSTALL, Starting shutdown of DSNlink...

Job DSN$SHUTDOWN (queue SYS$BATCH, entry 4) started on SYS$BATCH

%DSNLINKC-I-PREINSTALL, Shutdown of DSNlink completed

* Do you want to purge files replaced by this installation [YES]? Y (3)

 All installation questions have been answered. The rest of the
 installation will proceed automatically and may take up to 10
       minutes, depending on your system type.
```

(continued on next page)

Example 2–1 (Cont.) Sample DSNlink Version 2.2C Installation

```
%DSNLINKC-I-PRODAT, Providing files to DSN$DATA...
%DSNLINKC-I-PROLIB, Providing images to DSN$LIBRARY...
%DSNLINKC-I-PROEXE, Providing images to DSN$SYSTEM...
%DSNLINKC-I-PROUTL, Providing image to DSN$UTILITIES...
%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...
DSN-I-SECURE, Setting the owner and protection on the DSNlink directories
DSN-I-SECURE, Setting the owner and protection on the DSNlink system files
DSN-I-SECURE, Setting the owner and protection on all DSNlink files
DSN-I-SECURE, Setting the owner and protection on specific DSNlink files
DSN-I-SECURE, Owner and protection successfully set on all DSNlink files
%DSNLINKC-I-POSTINSTALL, Recreating the DSNlink Route Map...
%DSNLINKC-I-POSTINSTALL, Submitting DSN$STARTUP.COM to SYS$BATCH...
Job DSN$STARTUP (queue SYS$BATCH, entry 5) started on SYS$BATCH
 Installation of DSNLINKC V2.2 completed at 12:13
    Adding history entry in VMI$ROOT:[SYSUPD]VMSINSTAL.HISTORY
    Creating installation data file: VMI$ROOT:[SYSUPD]DSNLINKC022.VMI_DATA
 VMSINSTAL procedure done at 12:14
$
```

The following refer to items in the previous sample installation:

❶ Replace *ddcu:[dir]* with the file specification of the kit on your system.

❷ This prompt appears only if there are running DSNlink modem process on your system. If you enter Yes or Y at the prompt to continue, the installation procedure stops the processes, which interrupts the DSNlink applications and may annoy the users. If you enter No or N, the installation stops.

❸ If you choose to purge the files replaced by the installation, DSNlink removes only the files for which there are new files in the kit. For a list, see the New Files and Images section in the *DSNlink Version 2.2C for OpenVMS Release Notes*.

2.2 Postinstallation Tasks

The postinstallation tasks are as follows:

- Be sure you have performed all the postinstallation procedures for DSNlink Version 2.2 for OpenVMS.
- If you renamed a modem script to prevent it from being overwritten by the new modem script, rename it back to the original name.

The DSNlink Version 2.2C installation is complete.