DIGITAL SNA APPC/LU6.2 Programming Interface for OpenVMS

Installation

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This document describes how to install the DIGITAL SNA APPC/LU6.2 Programming Interface for OpenVMS software on a VAX or Alpha system running the OpenVMS operating system.

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Operating System and Version:	OpenVMS VAX Versions 6.2, 7.0, or 7.1 OpenVMS Alpha Versions 6.2, 7.0, or 7.1
Software Version:	DIGITAL SNA APPC/LU6.2 Programming Interface for OpenVMS V2.4

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Preface

The DIGITAL SNA APPC/LU6.2 Programming Interface for OpenVMS enables OpenVMS users to communicate with programs running on IBM systems. This manual is for system managers responsible for planning and installing the software.

Document Structure

This manual has the following chapters and appendices:

- Chapter 1, ‘‘Preparing for Installation’’, provides instructions on what you need to do before installing the APPC/LU6.2 Programming Interface software.
- Chapter 2, ‘‘Installing the APPC/LU6.2 Programming Interface Software’’, discusses using the VMSINSTAL procedure to install the software.
- Chapter 3, ‘‘After the Installation’’, describes steps you must take to verify the installation of the APPC/LU6.2 Programming Interface software.
- Appendix A, ‘‘Sample Installation Dialog’’, contains a sample VMSINSTAL dialog.
- Appendix B, ‘‘Files Installed on Your System’’, lists the files that are installed on your system when you install the APPC/LU6.2 Programming Interface software.

Related Documents

The following is a list of documents related to the SNA APPC/LU6.2 Programming Interface.

- *DIGITAL SNA APPC/LU6.2 Programming Interface for OpenVMS Programming*
- *DECnet SNA Gateway-ST Installation*
- *DECnet SNA Gateway-ST Problem Solving (OpenVMS)*
- *DECnet SNA Gateway-ST Guide to IBM Parameters*
- *DECnet SNA Gateway-CT Installation*
- *DECnet SNA Gateway-CT Management (OpenVMS)*
- *DECnet SNA Gateway-CT Problem Solving (OpenVMS & ULTRIX)*
- *DECnet SNA Gateway-CT Guide to IBM Parameters*
- *OpenVMS License Management Utility Manual*
- *OpenVMS System Manager's Manual*
- *DIGITAL SNA Domain Gateway Installation*
- *DIGITAL SNA Domain Gateway Management*
- *DIGITAL SNA Domain Gateway Guide to IBM Resource Definition*
- *DIGITAL Peer Server Installation and Configuration*
- *DIGITAL Peer Server Management*
- *DIGITAL Peer Server Network Control Language Reference*
- *DIGITAL Peer Server Guide to IBM Resource Definition*
- *DIGITAL SNA Access Server for Windows NT Installation and Configuration*
- *DIGITAL SNA Access Server for Windows NT Guide to IBM Resource Definition*
- *OpenVMS SNA Installation*—OpenVMS Version 6.1 and Version 6.2 only
- *OpenVMS SNA Problem Solving*—OpenVMS Version 6.1 and Version 6.2 only
- *OpenVMS SNA Guide to IBM Parameters*—OpenVMS Version 6.1 and Version 6.2 only

- *OpenVMS SNA Management* –OpenVMS Version 6.1 and Version 6.2 only

Conventions

This manual uses the following conventions:

Conventions	Meaning
`Special type`	Represents system input and output.
UPPERCASE LETTERS	Represent constant values or symbols. Code these exactly as they are specified.
[ ]	Square brackets enclose optional values. Do not type the brackets in the command line.
Return	Unless otherwise specified, terminate every command line by pressing the Return key.
Ctrl/*x*	Control characters are shown as Ctrl/*x*, where *x* is an alphabetic character. Press the Ctrl key and the appropriate character key simultaneously.

1
Preparing for Installation

This chapter tells you how to prepare for installing the APPC/LU6.2 Programming Interface on systems running OpenVMS SNA or connected to one of the following SNA Gateways:

- DECnet SNA Gateway-CT
- DECnet SNA Gateway-ST
- DIGITAL SNA Domain Gateway
- DIGITAL SNA Peer Server
- DIGITAL SNA Access Server for Windows NT

Note

Unless otherwise stated, the term SNA Gateway refers to the DECnet SNA Gateway-CT, the DECnet SNA Gateway-ST, the DIGITAL SNA Domain Gateway, the DIGITAL SNA Peer Server, the DIGITAL SNA Access Server for Windows NT, or the OpenVMS SNA (OpenVMS VAX Version 6.2 only) when used in this manual.

Inspecting the Distribution Kit

The software Bill of Materials (BOM) included with your distribution kit shows the contents of the kit. Carefully compare the items you received against the BOM. Report any missing or damaged components to Compaq Computer Corporation before continuing with the installation.

Preparing the IBM SNA Environment

Before you can use the APPC/LU6.2 Programming Interface Software, you must prepare certain software components in the IBM environment, as follows:

- The *OpenVMS SNA Guide to IBM Parameters* explains the IBM parameters to define for successful communication between the IBM host and OpenVMS SNA (OpenVMS VAX Version 6.2 only).
- The *DECnet SNA Gateway-ST Guide to IBM Parameters* explains the IBM parameters to define for successful communication between the IBM host and your DECnet SNA Gateway-ST.
- The *DECnet SNA Gateway-CT Guide to IBM Parameters* explains the IBM parameters to define for successful communication between the IBM host and your DECnet SNA Gateway-CT.
- The *DIGITAL SNA Domain Gateway Guide to IBM Resource Definition* explains the IBM parameters to define for successful communication between the IBM host and your DIGITAL SNA Domain Gateway.
- The *DIGITAL Peer Server Guide to IBM Resource Definition* explains the IBM parameters to define for successful communication between the IBM host and your DIGITAL SNA Peer Server.
- The *DIGITAL SNA Access Server for Windows NT Guide to IBM Resource Definition*) explains the IBM parameters to define for successful communication between the IBM host and your DIGITAL SNA Access Server for Windows NT.

You should view the Compaq documentation as an adjunct to the IBM documentation; the IBM documentation remains the authoritative source for IBM software concepts and procedures.

Note

Since IBM system programmers generally reconfigure and generate their systems according to a set schedule, give them as much advance notice as possible.

OpenVMS System Requirements

Table 1–1 shows the minimum OpenVMS system requirements. More detailed explanations follow the table.

Table 1–1 Installation Requirements for the APPC/LU6.2 Programming Interface

Requirements	OpenVMS VAX	OpenVMS Alpha
Software	OpenVMS VAX Versions 6.2, 7.0, or 7.1 or OpenVMS Alpha Versions 6.2, 7.0, or 7.1 DECnet SNA Gateway-ST, or DECnet SNA Gateway-CT, or DIGITAL SNA Domain Gateway, or DIGITAL SNA Peer Server, DIGITAL SNA Access Server for Windows NT, or OpenVMS SNA, and related management software listed in Preparing the IBM SNA Environment	
Privileges	System manager level (SYSPRV)	
Disk space	18,000 blocks minimum during installation	
	6900 blocks after installation	7900 blocks after installation
Global sections	3	4
Global pages	715	1450
Approximate installation time	5 to 30 minutes, depending on the type of medium used	
Related documents	*OpenVMS System Manager's Manual*	

Verifying the Required OpenVMS Version

Your OpenVMS system must be running one of the following:

- OpenVMS VAX Versions 6.2, 7.0, or 7.1
- OpenVMS Alpha Versions 6.2, 7.0, or 7.1

Use the SHOW SYSTEM command to determine the current version. If you do not have the required version, you must install it before you install the APPC/LU6.2 Programming Interface software. The *OpenVMS System Manager's Manual* explains how to install OpenVMS software.

Verifying Necessary Privileges

To install the APPC/LU6.2 Programming Interface software, you must be logged in to an account that has SYSPRV. Use the SHOW PROCESS/PRIVILEGES command to check privileges.

Verifying Required Disk Space

See Table 1–1 for the number of free blocks required on the system disk during and after installation. Use the SHOW DEVICE command to check available disk space.

The APPC/LU6.2 Programming Interface software supports OpenVMS tailoring for installation on systems that have limited system disk space. The APPC/LU6.2 Programming Interface Software Product Description (SPD) explains OpenVMS tailoring and lists the necessary OpenVMS system classes. The OpenVMS SPD provides more information on classes and OpenVMS tailoring.

Determining Available Global Sections and Global Pages

See Table 1–1 for the number of global sections and global pages required on the system. To check the number of global sections and global pages (pagelets) available on your system, type the following command at the OpenVMS prompt ($).

```
$ INSTALL LIST/SUMMARY/GLOBAL
```

The VMSINSTAL utility will display the number of global sections and global pages available on your system.

Registering and Loading the Product Authorization Key

Make sure that you have registered and loaded the Product Authorization Key (PAK) before your begin the installation. Refer to the *OpenVMS License Management Utility Manual* for this information.

Installing the Required Gateway Software

You must install one the following gateway products before you can use the APPC/LU6.2 Programming Interface software:

- OpenVMS SNA Version 2.2 (OpenVMS VAX Version 6.1 and Version 6.2 only)
- DECnet SNA Gateway-ST Version 1.2A
- DECnet SNA Gateway-CT Version 2.1A
- DIGITAL SNA Peer Server Version 1.3

- DIGITAL SNA Domain Gateway-CT Version 2.0
- DIGITAL SNA Domain Gateway-ST Version 2.0
- DIGITAL SNA Access Server for Windows NT Version 1.0

Use the gateway software to communicate with the IBM host. See the Software Product Description (SPD) for more information.

Backing Up Your System Disk

Before you start an installation that involves writing to your system disk, Compaq Computer Corporation recommends that you make a backup copy of your system disk. The *OpenVMS System Manager's Manual* explains how to back up your system disk.

2

Installing the APPC/LU6.2 Programming Interface Software

This chapter explains how to install the APPC/LU6.2 Programming Interface software.

The Installation Dialog

The APPC software installation procedure consists of a series of questions and informational messages. See Appendix A for a sample installation.

To abort the installation procedure at any time, press Ctrl/Y. When you press Ctrl/Y, the installation procedure deletes all the files it created up to that point and exits. You can then start the installation again.

1. **Invoke VMSINSTAL.**

   ```
   $ @SYS$UPDATE:VMSINSTAL saveset-name device-name OPTIONS N
   ```

   To start the installation, invoke the VMSINSTAL command procedure from a privileged account, such as the SYSTEM account. VMSINSTAL is in the SYS$UPDATE directory. The following list defines the parameters of the VMSINSTAL command procedure.

   saveset-name
   The installation name for the software component. For the APPC/LU6.2 Programming Interface software, use the name SNALU62024.

   device-name
   The name of the device on which you plan to mount the media. For example, MTA0: is the device name for a tape drive. It is not necessary to use the console drive for this installation. However, if you do use the console drive, you should replace any media you removed once the installation is complete.

OPTIONS N

An optional parameter that indicates you want to see the question about release notes. If you do not include the OPTIONS N parameter, VMSINSTAL does not ask you about the release notes. You should review the release notes before proceeding with the installation in case they contain additional information about the installation. If you are restarting the installation and have already reviewed the release notes, you do not need to specify OPTIONS N.

Note that there are other options you can select when you invoke VMSINSTAL.

- Auto answer option (A): Initially creates a file that contains your answers to VMSINSTAL questions and prompts. You can then use the option (and the answer file) to save time during a reinstallation (typically after upgrading your system).
- Get save set option (G): Lets you store product save sets temporarily on a magnetic tape or in a disk directory.
- File log option (L): Logs all activity to the terminal during installation.
- Alternate root option (R): Lets you install the product on a system root other than that of the running system.

See the OpenVMS documentation for software installation in the OpenVMS System Management Subkit for detailed information about these options. If you specify more than one option, separate the options with commas (OPTIONS A,N).

The following example invokes VMSINSTAL to install the APPC software from MTA0: and shows the system response. This example uses the OPTIONS N release note parameter.

```
$ @SYS$UPDATE:VMSINSTAL SNALU62024 MTA0: OPTIONS N Return
      OpenVMS Software Product Installation Procedure V6.1

It is 10-SEP-1998 at 13:15.

Enter a question mark (?) at any time for help.
```

If you do not supply either the product name or the device name, VMSINSTAL prompts you for this information later in the installation procedure. VMSINSTAL does not prompt you for any options; be sure to include OPTIONS N on the VMSINSTAL command line to access the release notes during the installation.

2. **Confirm system status.**

```
%VMSINSTAL-W-ACTIVE, The following processes are still active:
   .
   .
   .
* Do you want to continue anyway [NO]? YES Return
```

VMSINSTAL displays a list of all active processes. The dialog then asks whether you want to continue the installation. You can install the APPC software if other processes are active. If you are reinstalling the software, you should verify that no one is using the APPC software. If you are satisfied that no one is using the APPC software, press Return. Otherwise, enter No to discontinue the installation.

3. **Confirm system backup.**

```
* Are you satisfied with the backup of your system disk [YES]? Return
```

VMSINSTAL asks whether or not you are satisfied with your system backup. You should always back up your system disk before performing an installation. If you are satisfied with the backup of your system disk, press Return. Otherwise, enter No to discontinue the installation. After you back up your system disk, you can restart the installation.

4. **Mount the media.**

```
Please mount the first volume of the set on MTA0:.
* Are you ready? YES Return
%MOUNT-I-MOUNTED, SNALU6 MOUNTED ON _MTA0:
The following products will be processed:
  SNALU62 V2.4

        Beginning installation of SNALU62 V2.4 at 13:16

%VMSINSTAL-I-RESTORE, Restoring product saveset A...
```

You should now mount the first distribution volume on the device you specified when you invoked VMSINSTAL. The device name appears in the line preceding the question. VMSINSTAL then asks whether or not you are ready to continue with the installation.

If you respond Yes to indicate that you are ready, VMSINSTAL displays a message that the media containing the APPC software has been mounted on the specified device and that the installation has begun.

If you entered the wrong device name when you invoked VMSINSTAL and need to restart the installation, enter No in response to the ''Are you ready?'' question. To abort the installation for other reasons, press Ctrl/Y.

5. **Select a release notes option.**

```
    Release notes included with this kit are always copied to SYS$HELP.

    Additional Release Notes Options:

        1.  Display release notes
        2.  Print release notes
        3.  Both 1 and 2
        4.  None of the above

* Select option [2]: Return
```

If you specified OPTIONS N when you invoked VMSINSTAL, you are now asked to choose one of the four options for reviewing the release notes.

If you select option 1, VMSINSTAL displays the release notes immediately on the console terminal. You can terminate the display at any time by pressing Ctrl/C.

If you select option 2, VMSINSTAL prompts you for the name of the print queue that you want to use:

```
* Queue name [SYS$PRINT]: Return
```

You can press Return to send the file to the default output print device or you can enter another queue name.

If you select option 3, VMSINSTAL displays the release notes immediately on the console terminal and then prompts you for a queue name for the printed version.

Select option 4 if you have already reviewed the release notes and are restarting the installation.

Next, VMSINSTAL displays the following question:

```
* Do you want to continue the installation [NO]?: YES Return
%VMSINSTAL-I-RELMOVED, Product's release notes have been moved to SYS$HELP.
```

To continue the installation, enter Yes. Otherwise, press Return. In either case, the release notes are copied to a file in the SYS$HELP directory:

```
SYS$HELP:SNALU62024.RELEASE_NOTES
```

Note

The name of the release notes file created by VMSINSTAL consists of the current product name and version number. Do not delete release notes for previous versions of the APPC software.

6. **Respond to license registration queries. (LOAD HOST ONLY)**

```
        Product:      SNA-APPC-LU6.2
        Producer:     DEC
        Version:      2.4
        Release Date: 01-SEP-1998

* Does this product have an authorization key registered and loaded? Y Return
```

   If you have not registered and loaded your PAK, the installation dialog does not display any license information. Instead, it terminates with a message indicating that you should register and load your PAK to complete the installation successfully.

7. **Purge files.**

```
* Do you want to purge files replaced by this installation [YES]? Return
```

   You have the option of purging files from previous versions of the APPC software that are superseded by this installation. Compaq recommends purging; however, if you need to keep files from the previous version, enter No in response to the question.

   If you are reinstalling the software you should verify that no one is using the APPC software before you request that existing files be purged.

8. **Choose the Installation Verification Procedure (IVP) option.**

```
* Do you want to run the IVP after the installation [YES]? Return
```

   The installation procedure now asks whether or not you want to run the IVP. The IVP for the APPC software checks to be sure that the installation is successful. Compaq recommends that you run the IVP.

   After the APPC software is installed, you can run the IVP independently to verify that the software is available on your system (see Chapter 3).

9. **Read informational messages.**

```
%SNALU62-I-NOQUEST, no further questions will be asked

        To install the SNALU62SH.EXE and SNALU62MG.EXE images as shareable
        each time the system reboots, you must add the following line to
        your system startup procedure:

                $ @SYS$STARTUP:SNALU62$STARTUP

        On line release notes for this product can be found in the file,
                SYS$COMMON:[SYSHLP]SNALU62024.RELEASE_NOTES

%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories
```

At this point, the installation procedure displays a number of informational messages that report on the progress of the installation. There are no further questions. If the installation procedure is successful up to this point, VMSINSTAL moves the new or modified files to their target directories.

10. **Observe the Installation Verification Procedure (IVP).**

    If you chose to run the IVP, VMSINSTAL runs it now. When the IVP runs successfully, you see the following display:

```
** DIGITAL SNA APPC/LU6.2 Programming Interface V2.4 Installation Test
Beginning **

.... Testing the APPC/LU6.2 Programming Interface V2.4

** DIGITAL SNA APPC/LU6.2 Programming Interface V2.4 Installation Test
Completed Successfully **
```

11. **End the installation procedure.**

```
        Installation of SNALU62 V2.4 completed at 13:23

     VMSINSTAL procedure done at 13:23
```

    The previous messages indicate that the entire installation procedure is complete.

    You can now log out of the privileged account:

```
$ LOGOUT
SYSTEM     logged out at 10-SEP-1998 15:24:34.23
```

    Note that VMSINSTAL deletes or changes entries in the process symbol tables during the installation. Therefore, if you are going to continue using the system manager's account and you want to restore these symbols, you should log out and log in again.

Error Recovery

If errors occur during the installation itself or when the Installation Verification Procedure (IVP) is running, VMSINSTAL displays failure messages. If the installation fails, you see the following message:

```
%VMSINSTAL-E-INSFAIL, the installation of SNALU62 V2.4 has failed.
```

If the IVP fails, you see these messages:

```
** DIGITAL SNA APPC/LU6.2 Programming Interface V2.4 Installation Test
Failed **

%VMSINSTAL-E-IVPFAIL, The IVP for SNALU62 V2.4 has failed.
```

Errors can occur during the installation for any of the following reasons:

- The operating system version is incorrect.
- A prerequisite software version is incorrect.
- Quotas necessary for successful installation are insufficient.
- System parameter values for successful installation are insufficient.
- The OpenVMS help library is in use.
- The product license has not been registered and loaded.

For descriptions of the error messages generated by these conditions, see the OpenVMS documentation on system messages, recovery procedures, and OpenVMS software installation. If you receive a notification of any of these conditions, you should take the action described in the message. For information about installation requirements, see Chapter 1.

3
After the Installation

This chapter describes some tasks to complete after you install the Programming Interface software.

Verifying the Installation

If you have chosen the IVP option, the IVP runs automatically at the end of the installation. You can also run the IVP after the installation to verify that the APPC/LU6.2 programming interface is installed and working properly. To do so after the installation, type the following command from your terminal:

```
$ @SYS$TEST:SNALU62$IVP.COM
```

The following message indicates that the software has been successfully installed:

```
** DIGITAL SNA APPC/LU6.2 Programming Interface V2.4 Installation Test Beginning **
... Testing the APPC/LU6.2 Programming Interface V2.4
** DIGITAL SNA APPC/LU6.2 Programming Interface V2.4 Test Completed Successfully **
```

Note

The IVP does not verify that the APPC/LU6.2 Programming Interface can connect to an IBM system.

If the software was not installed properly, error messages appear. Correct the problems indicated by the messages and rerun the installation procedure. If you receive IVP errors, you have a damaged kit; contact your Compaq representative.

For information about configuring your IBM SNA software components for logical unit (LU) type 6.2 communications, see the appropriate Guide to IBM Parameters manual.

If you have not registered APPC/LU6.2 with LMF, the following text appears:

```
** DIGITAL SNA APPC/LU6.2 Programming Interface V2.4 Installation Test Beginning **

%LICENSE-F-NOAUTH, DEC SNA-APPC-LU6.2 use is not authorized on this node
-LICENSE-F-NOLICENSE, no license is active for this software product
-LICENSE-I-SYSMGR, please see your system manager
%Failed to test program with shareable image

** DIGITAL SNA OpenVMS APPC/LU6.2 Programming Interface V2.4 Test FAILED **
```

Stop the installation and register APPC/LU6.2 with LMF.

Using the APPC/LU6.2 Software in a VMScluster

After you have installed the APPC/LU6.2 software on one node of a VMScluster, you can install it on the other nodes by executing the SNALU62$STARTUP.COM procedure on each node as follows:

```
$@SYS$STARTUP:SNALU62$STARTUP.COM
```

You must activate an APPC/LU6.2 license for each node in the VMScluster that will execute and run the APPC/LU6.2 software. You can activate the license in one of the following ways:

- Log in to each VMScluster node and enter the LICENSE LOAD command.
- Invoke the OpenVMS SYSMAN Utility to execute the LICENSE LOAD command on the desired VMScluster nodes. See the *OpenVMS SYSMAN Utility Manual* for details on defining your management environment, and executing commands on other nodes.

For more information on the LICENSE LOAD command, refer to the *OpenVMS License Management Utility Manual*.

Installing the APPC/LU6.2 Programming Interface as a Shareable Image

SYS$STARTUP:SNALU62$STARTUP.COM contains the start-up command procedure for the APPC/LU6.2 Programming Interface. To install the APPC/LU6.2 Programming Interface as a shareable image, execute the command procedure as follows:

```
$@SYS$STARTUP:SNALU62$STARTUP.COM
```

Include this command in your system start-up procedure to automatically install the APPC/LU6.2 Programming Interface as a shareable image when you boot the system.

Adding the SNA_APPC HELP File to the HELP File of an Editor

You can insert the APPC/LU6.2 Programming Interface HELP information (added to the HELPLIB file during installation) into the HELP file of an editor, for programmers who use editors to develop DIGITAL SNA or OpenVMS SNA (OpenVMS VAX Version 6.1 and Version 6.2) applications. You need system manager privileges to perform this operation. Use the following commands to insert the HELP information into the HELP file of an editor:

```
$ LIBRARY/HELP/EXTRACT=SNA_APPC/OUTPUT=SNAAPPC -
_$ SYS$HELP:HELPLIB
$ LIBRARY/HELP/INSERT SYS$HELP:xxxHELP SNAAPPC
$ DELETE SNAAPPC.HLP;*
```

where *xxx* is the name of your editor, for example, EDT or LSE.

A

Sample Installation Dialog

This appendix contains a sample installation dialog for the APPC software. The sample dialog was run on a system with no previous version of the APPC software. Depending on which layered products you have on your system, you might see additional messages and questions when you perform your installation.

The sample installation assumes that DECnet has been shut down, that no users are logged on to your system, and that OPTIONS N is specified to print the Release Notes. The Installation Verification Procedure (IVP) runs at the end of the installation.

```
Username: SYSTEM    Return
Password: password  Return

$ SET DEFAULT SYS$UPDATE  Return

$ @VMSINSTAL SNALU62024 MTA0:  [OPTIONS N]  Return

        OpenVMS Alpha Software Product Installation Procedure V7.0

It is 10-SEP-1998 at 10:30.

Enter a question mark (?) at any time for help.

%VMSINSTAL-W-ACTIVE, The following processes are still active:
   SYSTEM
* Do you want to continue anyway [NO]? Return
* Are you satisfied with the backup of your system disk [YES]? Return
```

```
Please mount the first volume of the set on  MUA0:.
* Are you ready? Y Return
%MOUNT-I-MOUNTED, SNALU6 mounted on _MUA0:
The following products will be processed:

    SNALU62 V2.4


       Beginning installation of SNALU62 V2.4 at 10:31

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

   Release notes included with this kit are always copied to SYS$HELP.

   Additional Release Notes Options:

       1. Display release notes
       2. Print release notes
       3. Both 1 and 2
       4. None of the above

* Select option [2]: Return
* Queue name [SYS$PRINT]: Return
Job SNALU62024(queue SYS$PRINT, entry 681) started on LPA0

* Do you want to continue the installation? [NO] Y Return
%VMSINSTAL-I-RELMOVED, The products release notes have been successfully
moved to SYS$HELP.


        Product:      SNA-APPC-LU6.2
        Producer:     DEC
        Version:      V2.4
        Release Date: 1-SEP-1998

* Does this product have an authorization key registered and loaded?Y Return
* Do you want to purge files replaced by this installation [YES]? Return
* Do you want to run the IVP after the installation [YES]? Return

%SNALU62-I-NOQUEST, no further questions will be asked

        To install the SNALU62SH.EXE and SNALU62MG.EXE images as shareable
        each time the system reboots, you must add the following line to
        your system startup procedure:

                $ @SYS$STARTUP:SNALU62$STARTUP

        On line release notes for this product can be found in the file,
                SYS$COMMON:[SYSHLP]SNALU62024.RELEASE_NOTES

%VMSINSTAL-I-MOVEFILES, Files will now be moved to their target directories...

** DIGITAL SNA APPC/LU6.2 Programming Interface V2.4 Installation Test
       Beginning **

.... Testing the APPC/LU6.2 Programming Interface V2.4
```

```
** DIGITAL SNA APPC/LU6.2 Programming Interface V2.4 Test Completed
       Successfully **
        Installation of SNALU62 V2.4 completed at 10:35

        VMSINSTAL procedure done at 10:35

$ LOGOUT [Return]

SYSTEM     logged out at 10-SEP-1998 10:36
```

B

Files Installed on Your System

The APPC software installation procedure installs the following files on your system:

Installed File Name	Meaning
SYS$SHARE:SNALU62SH.EXE	APPC/LU6.2 shareable image
SYS$MESSAGE:SNALU62MG.EXE	APPC/LU6.2 message file
SYS$LIBRARY:SNALU62DF.ADA	Symbol file for ADA
SYS$LIBRARY:SNALU62DF.BAS	Symbol file for BASIC
SYS$LIBRARY:SNALU62DF.FOR	Symbol file for FORTRAN
SYS$LIBRARY:SNALU62DF.H	Symbol file for C
SYS$LIBRARY:SNALU62DF.LIB	Library file
SYS$LIBRARY:SNALU62DF.MAR	Symbol file for MACRO
SYS$LIBRARY:SNALU62DF.PAS	Symbol file for Pascal
SYS$LIBRARY:SNALU62DF.PEN	Environment file for Pascal
SYS$LIBRARY:SNALU62DF.PLI	Symbol file for PLI
SYS$LIBRARY:SNALU62DF.R32	Symbol file for BLISS
SYS$STARTUP:SNALU62$STARTUP.COM	Startup command procedure
SYS$TEST:SNALU62$IVP.COM	Verification command procedure
SYS$HELP:SNALU62024.RELEASE_NOTES	Release notes
SYS$LIBRARY:SNALU62SH.IIF (OpenVMS Alpha only)	APPC/LU62 Shareable image information file

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