ALL–IN–1

Installation: Guide

Order Number: AA-N323K-TE

Revision/Update Information:	Revised for ALL–IN–1 Version 3.2
Operating system:	OpenVMS VAX Version 6.1 or higher and OpenVMS Alpha Version 6.1 or higher
Software version:	Version 3.2

Digital Equipment Corporation
Maynard, Massachusetts

January 1996

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This document was prepared using VAX DOCUMENT, Version 2.1.

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Preface

About This Book

Before you use this book, you must plan your ALL–IN–1™ Version 3.2 installation by reading the *ALL–IN–1 Overview and Planning Guide*.

This guide describes how to do the following:

1. Prepare your system for an ALL–IN–1 Version 3.2 installation.
2. Install ALL–IN–1 Version 3.2.
3. Set up ALL–IN–1 Version 3.2 so that the ALL–IN–1 manager can log in and use it locally.

ALL–IN–1 Installation: Language and Market Supplement

The *ALL–IN–1 Installation: Language and Market Supplement* is provided with your language and market kit. It provides the disk space values for installing the ALL–IN–1 Version 3.2 kit, and information on the language and market components that you will need during the installation.

Prerequisite Knowledge

This guide assumes that you have read the *ALL–IN–1 Overview and Planning Guide*.

To install ALL–IN–1 Version 3.2 you must be familiar with the VMSINSTAL utility.

The ALL–IN–1 Management Documentation Set

The following guides form the ALL–IN–1 management documentation set:

- *ALL–IN–1 Overview and Planning Guide*
- *ALL–IN–1 Installation: Guide*
- *ALL–IN–1 Installation: Language and Market Supplement*

- *ALL–IN–1 Management Guide*
- *ALL–IN–1 Mail Management Guide*
- *ALL–IN–1 Managing Servers*

Terminology and Conventions Used in this Guide

The following table lists the terminology and conventions used in this guide.

Term	Description
AIDA Server	The ALL–IN–1 Distributed Access Server
ALL–IN–1	Means the ALL–IN–1 software that is provided by the ALL–IN–1 Office Service Option that you have installed. For example, the ALL–IN–1 Integrated Office System (IOS) or the ALL–IN–1 Core Services.
architecture	Used to differentiate between OpenVMS™ VAX™ systems and OpenVMS Alpha systems. For example, *architecture-independent* files are files that can be used on both VAX and Alpha systems.
_AXP	Used to show ALL–IN–1 directories that are specific to Alpha systems. _VAX is used to show directories that are specific to VAX systems.
Digital™ X.500	Means the Digital X.500 Directory Service product
IOS	Integrated Office System. This is the full ALL–IN–1 license that includes all components of the product.
MAILbus™ 400 MTA	Means the MAILbus 400 Message Transfer Agent
mixed architecture cluster	a VMScluster™ that contains both Alpha and VAX nodes.
OpenVMS Alpha	Means the OpenVMS Alpha operating system
OpenVMS VAX	Means the OpenVMS VAX operating system
TCP/IP	Transmission Control Protocol/Internet Protocol
TLC	TeamLinks™ Connection to ALL–IN–1 Integrated Office System for OpenVMS
UCX	Means DEC™ TCP/IP Services for OpenVMS
VMScluster	Discussions that refer to VMScluster environments apply to both VAXcluster™ systems that include only VAX nodes and VMScluster systems that include at least one Alpha node. Any differences are noted in the text.
WPS–PLUS	WPS–PLUS™ software.

Related Documents

You may also need to refer to the documentation on the following products:

- VAX Message Router and its Gateways
- DEC Notes™
- OpenVMS system management
- The MAILbus 400 MTA and its Gateways
- Digital X.500
- DECnet™/OSI

Returning Comments About This Guide

If you have any comments or suggestions about this guide, please return them in one of the following ways:

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- X.400 address: `C=GB;A=CWMAIL;P=DIGITAL;O=DIGITAL;OU1=REO;S=BOOKS;G=IDC;`
- Fax: `(+44) 1734 206018`

1
Preparing Your System for Installation

This chapter describes the tasks that you must do to prepare your system for an ALL–IN–1 Version 3.2 installation. The information in this chapter applies to all installations.

You must read the *ALL–IN–1 Overview and Planning Guide* before you install ALL–IN–1 Version 3.2. The planning guide covers:

- Information about this version of ALL–IN–1
- Mail system planning
- Installation planning, including a checklist of all the decisions that you need to make before starting the installation

  In addition, if you are upgrading from ALL–IN–1 Version 3.1 and your system has been customized, you must read the chapter *Planning the Upgrade of a Customized System* in the *Overview and Planning* guide. This chapter explains how to run the Conflict Checking and Resolution Tool (CART) to check your customizations before you upgrade to ALL–IN–1 Version 3.2.

This installation guide assumes that you have read the *ALL–IN–1 Overview and Planning Guide*, made all your planning decisions and know what type of installation you are going to perform.

1.1 Checklist of Preinstallation Tasks

To prepare your system for an ALL–IN–1 Version 3.2 installation, you must do the tasks listed in Table 1–1.

Preparing Your System for Installation
1.1 Checklist of Preinstallation Tasks

Table 1–1 Preinstallation Checklist

Task	Description	For further information, see
1	Check the kit contents	The Bill of Materials for a list of what the distribution kit should contain. Contact your Digital representative if your kit is damaged or incomplete.
2	Read the *READ ME FIRST* letter if one is supplied with your kit	
3	Make sure that you have planned your installation and ALL–IN–1 mail system. The *ALL–IN–1 Overview and Planning Guide* also lists any prerequisite configuration tasks that must be done for the messaging products that you plan to use with ALL–IN–1. These tasks must be completed before you start your installation.	*ALL–IN–1 Overview and Planning Guide*
4	Read the online product release notes provided with the kit	Section 1.2 for instructions on accessing the release notes.
5	Check that you have the correct versions of: • The prerequisite software for the installation • Any optional software that you want to install	Section 1.3
6	Check that you have a valid license for the installing account	Section 1.4

(continued on next page)

Table 1–1 (Cont.) Preinstallation Checklist

Task	Description	For further information, see
7	Register the ALL–IN–1 Version 3.2 License Product Authorization Key (PAK)	Section 1.5
8	Register the License PAKs for the prerequisite and optional software provided with ALL–IN–1 Version 3.2.	Section 1.5.3
9	Check the installation procedure requirements: • For the installing account • System parameters • Disk space • Logical names • Installed images • The location of DCLTABLES.EXE	Section 1.7 for the values required and instructions for checking and changing these parameters.
10	For upgrade installations, do any additional tasks.	Section 1.8.

(continued on next page)

Table 1–1 (Cont.) Preinstallation Checklist

Task	Description	For further information, see
11	Check that all prerequisite and optional software is installed, configured and running before you start the ALL–IN–1 Version 3.2 installation.	Section 1.3 lists prerequisite and optional software. In addition, you may want to install DATATRIEVE™ or ACMS™ if you are planning to use these products with ALL–IN–1. All prerequisite messaging products such as Message Router or the MAILbus 400 MTA and Digital X.500 must be installed, configured and running before you install ALL–IN–1. See the *ALL–IN–1 Overview and Planning Guide*. For a suggested order of installing optional software, see Section 1.6.
12	If you are installing a new ALL–IN–1 system with Digital X.500 and the MAILbus 400 MTA, check that these products have been installed and configured correctly.	Section 1.9
13	If you will be using a remote Message Router that is not in the same VMScluster, do any additional tasks.	Section 1.10.

(continued on next page)

Table 1–1 (Cont.) Preinstallation Checklist

Task	Description	For further information, see
14	It is recommended that you run the Perform all preinstallation checks (PC) option to check that your system is prepared for the installation. The PC option runs through the installation to check that you have all the prerequisite licenses, software, disk space and installation parameters correctly set up on your system.	Section 1.11
15	Do the final system preparation tasks.	Section 1.12 for new installations and Section 1.13 for upgrade installations.
16	Back up your system and target disks.	Section 1.14

1.2 Reading and Printing the Online Release Notes

Online release notes are provided with the language and market components of ALL–IN–1 Version 3.2. The release notes contain information that was unavailable before the books went to print. It is recommended that you read the release notes, because they may contain information relating to the installation. You can access the release notes using the VMSINSTAL procedure before you install the ALL–IN–1 Version 3.2 software.

There are two parts to the ALL–IN–1 Version 3.2 release notes:

- *Release Notes Part 1 Language*

  This part contains the release notes specific to the ALL–IN–1 Version 3.2 language being installed.

- *Release Notes Part 2 Market*

  This part contains the release notes specific to your ALL–IN–1 Version 3.2 market component. Note that this document may not exist for all market components.

To read or print the release notes, do the following:

1. Log in to the privileged OpenVMS system manager's account and enter the following command lines:

   ```
   $ SET DEFAULT SYS$UPDATE
   $ @VMSINSTAL product device: OPTIONS N
   ```

   where `device` is the device on which the media containing the appropriate version of the release notes is mounted and `product` is the product code. The product codes are:

   - A1Llang032 for the Release Notes Part 1 Language, where lang is the 2-letter code for the language you are installing
   - A1Cmarket032 for the Release Notes Part 2 Market, where market is the 2-letter code for the market component you are installing

   If you are performing an additional language installation, you need only print the *ALL–IN–1 Release Notes Part 1 Language* that is supplied with your kit.

When you have read or printed the release notes, terminate the installation procedure. If you have accessed only one part of the release notes, repeat the procedure to access the other part. The following files are placed in SYS$HELP:

- A1Llang032.RELEASE_NOTES, for the Release Notes Part 1 Language, where lang is the 2-letter code for the language you are installing
- A1Cmarket032.RELEASE_NOTES, for the Release Notes Part 2 Market, where market is the 2-letter code for the market component you are installing

1.3 Checking Prerequisite and Optional Software

Table 1–2 provides information about the prerequisite software for an ALL–IN–1 Version 3.2 installation. It also lists the software that is supplied with the ALL–IN–1 Version 3.2 kit, and optional software that you may want to install.

The following definitions apply:

- Prerequisite means that the software must be installed before you install ALL–IN–1 Version 3.2. The installation will fail if the prerequisite software is not installed.

- Optional means that the software is not required for the ALL–IN–1 Version 3.2 installation. Optional software provides additional functionality and the optional software that you install depends on the requirements at your site. For example, if you want to use Group Conferencing, you must install DEC Notes.

Note

Both the prerequisite software, and any optional software that you want to install, must be installed, configured and running before you install ALL–IN–1 Version 3.2.

Table 1–2 Prerequisite and Optional Software

Software Product	VAX Version	Alpha Version	Supplied With Kit?	Notes
OpenVMS VAX	6.1 or higher	-	N	**Prerequisite** for installation on VAX. Must be a full untailored system
OpenVMS Alpha	-	6.1 or higher	N	**Prerequisite** for installation on Alpha. Must be a full untailored system
DECnet–VAX end-node	5.5	-	N	**Prerequisite** for remote messaging using Message Router
DECnet for OpenVMS Alpha	-	1.5	N	**Prerequisite** for remote messaging using Message Router

(continued on next page)

Table 1–2 (Cont.) Prerequisite and Optional Software

Software Product	VAX Version	Alpha Version	Supplied With Kit?	Notes
DECnet/OSI for OpenVMS	6.1 or higher	6.1 or higher	N	**Prerequisite**[1] for systems using Digital X.500 or Digital X.500 and the MAILbus 400 MTA. Optional alternative for systems using Message Router.
VAX Forms Management System (FMS)[2]	2.4	-	Y	**Prerequisite**
DEC Forms Management System (FMS)[2]	-	2.4	Y	**Prerequisite**
DEC TCP/IP Services for OpenVMS (UCX) or other TCP/IP software that emulates UCX[3]	3.1 or higher	3.1 or higher	N	Optional. Install if you want to use the TCP/IP network protocol to communicate with client applications.
Message Router	3.3A	-	Y	Optional. Install and configure if you want to send remote mail using Message Router.

[1]DECnet/OSI is a prerequisite for Digital X.500. If you plan to migrate to use Message Router with Digital X.500, you must install DECnet/OSI as the prerequisite for Digital X.500. For Digital X.500, you must also install the OSI Applications Kernel, OSAK™, from the DECnet/OSI Applications component. See the Digital X.500 installation documentation for more information.

[2]See the *VAX FMS or DEC FMS Installation Guide and Release Notes*. Note that you must have at least one compiler installed on your system in order to run the sample programs supplied with VAX FMS.

[3]For supported versions of other TCP/IP software that emulates UCX, see the *ALL–IN–1 Software Product Description*.

(continued on next page)

Table 1–2 (Cont.) Prerequisite and Optional Software

Software Product	VAX Version	Alpha Version	Supplied With Kit?	Notes
Message Router VMSmail Gateway	3.3	-	Y	Optional Install if you want to send mail from ALL–IN–1 systems using Message Router to VMSmail users.
MAILbus 400 MTA[4]	1.4A	1.4A	N	Optional Install and configure if you want to use the MAILbus 400 MTA for remote mail. Note that Digital X.500 is a prerequisite for the MAILbus 400 MTA.
Digital X.500[5]	3.0	3.0	N	Prerequisite if you plan to use the MAILbus 400 MTA. Optional if you plan to continue using Message Router.

[4] ALL–IN–1 can also connect to a MAILbus 400 MTA installed on a remote Digital UNIX node.

[5] DECnet/OSI is a prerequisite for Digital X.500. If you plan to migrate to use Message Router with Digital X.500, you must install DECnet/OSI as the prerequisite for Digital X.500. For Digital X.500, you must also install the OSI Applications Kernel, OSAK™, from the DECnet/OSI Applications component. See the Digital X.500 installation documentation for more information.

(continued on next page)

Table 1–2 (Cont.) Prerequisite and Optional Software

Software Product	VAX Version	Alpha Version	Supplied With Kit?	Notes
MAILbus 400 Message Router Gateway	1.2	-	N	Optional Install if you want to exchange mail between Message Router systems and MAILbus 400 MTA systems.
DEC Notes	2.5	2.5	Y	Optional. Install if you want to use Group Conferencing.
CDA Converter Library[6]	2.2	-	N	Optional Install if you require full CDA support on OpenVMS VAX.
DECwindows®[7]	-	1.2 or higher	N	Optional Install if you require full CDA support on OpenVMS Alpha.

[6]The installation procedure checks for SYS$SHARE:CDA$ACCESS.EXE, Version 1.7

[7]The installation procedure checks for SYS$SHARE:CDA$ACCESS.EXE, Version 1.8

For information about the order of installing optional software, see Section 1.6.

For a list of all supported versions of products that can be used with ALL–IN–1, see the *ALL–IN–1 Software Product Description*.

1.4 Checking the License for the Installing Account

The installing account, from which you plan to do the installation, must have a valid ALL–IN–1 license. This means that you must have one of the following:

- A Capacity licence
- A Concurrent license with available units

- A personal license with the name of the installation account in the reserve list of users.

  For example, if you are planning to do the installation from the SYSTEM account, SYSTEM must be listed in the reserve list.

The installing account should be licensed with the maximum available license to ensure that all the required functionality can be installed.

1.5 Registering License Product Authorization Keys (PAKs)

You must register the ALL–IN–1 License Product Authorization Key (PAK) before you start to install the ALL–IN–1 Version 3.2 software. The installation procedure checks for a registered ALL–IN–1 Version 3.2 license when you confirm that you are ready to install the software by choosing the Perform the installation (I) option from the menu of installation options. If a license is not found, the installation terminates.

To register an ALL–IN–1 license PAK for a new installation, see Section 1.5.1.

When you have registered the ALL–IN–1 License PAK, you can use the Register licenses for prerequisite software (RL) option to automatically register License PAKs for additional software that is provided with the ALL–IN–1 Version 3.2 kit. See Section 1.5.3.

Note

You must make sure that all the License PAKs are registered on all nodes on which you intend to use the software.

For products that are not included in the ALL–IN–1 kit, for example the MAILbus 400 MTA or Digital X.500, you must register the license PAKS manually using the License Management Facility (LMF).

1.5.1 Registering the ALL–IN–1 License PAK Before a new Installation

If you are installing ALL–IN–1 Version 3.2 on a newly-licensed node or cluster, you must register a License PAK for ALL–IN–1 Version 3.2 before you install ALL–IN–1 Version 3.2. The License PAK may be shipped along with the kit if you ordered the license and media together; otherwise, it is shipped separately to a location based on your license order. License PAKs are registered using the License Management Facility (LMF).

To register the ALL–IN–1 Version 3.2 License PAK, do the following:

1. Log in to the system manager's account, SYSTEM.

2. Register the License PAK in one of the following ways:
   - Invoke the SYS$UPDATE:VMSLICENSE.COM procedure. When it prompts you for information, respond with information from your License PAK.
   - Issue the DCL command, LICENSE REGISTER, together with the appropriate qualifiers that correspond to information on the License PAK.

For complete information on using the LMF, see the *OpenVMS License Management Utility Manual*.

1.5.2 Registering the ALL–IN–1 License PAK Before an Upgrade

If you are installing ALL–IN–1 Version 3.2 as an upgrade or update installation on a node or cluster already licensed for this software, you must register the Service Update PAK (SUP) that is included in your Service Update Kit. If you have already registered a License PAK or a SUP for this product on this node or cluster, you do not need to register the SUP.

If you are installing an update of ALL–IN–1 Version 3.2 but lack a service contract, call your Digital representative for instructions on how to get a License PAK.

1.5.3 Registering License PAKs for Software Provided with ALL–IN–1 Version 3.2

When you have registered the ALL–IN–1 Version 3.2 License PAK, you must register the License PAKS for the products supplied with the ALL–IN–1 Version 3.2 kit. The following License PAKs can be registered automatically using the ALL–IN–1 Version 3.2 installation procedure:

VAX	Alpha
VAX FMS	DEC FMS
DEC Notes[1]	DEC Notes[1]
Message Router	-
Message Router VMSmail Gateway	-
CDA Converter Library	-

[1]If your ALL–IN–1 license does not include Group Conferencing, the DEC Notes PAK is not registered.

The License PAKs supplied for these products are for any processor and any number of users. If you already have a license for one of these products, it will

be replaced by the license supplied with the ALL–IN–1 Version 3.2 kit. The ALL–IN–1 Version 3.2 License PAK must be registered first.

To register the License PAKs automatically, follow Steps 1 to 5 in Table 2–2.

Enter `RL` when the installation prompts you with the following question,

```
* Which installation do you wish to perform [1]:
```

Note

Choosing the `RL` option does not start the installation.

The installation procedure checks your existing licenses, and if necessary registers and loads the appropriate licenses for the software products provided with the ALL–IN–1 Version 3.2 kit. The installation then terminates.

For prerequisite or optional products that are not supplied with ALL–IN–1, you must register the license PAKs manually using the License Management Facility (LMF).

1.6 Example Order for Installing Optional Software

After you have installed and configured the prerequisite software, install and configure the optional software products. See the appropriate product documentation for installation and configuration instructions.

The following installation order is suggested for installing optional software before the ALL–IN–1 Version 3.2 installation:

1. Install ACMS™
2. Install VAX DATATRIEVE™ or DEC DATATRIEVE
3. Install and configure your message transport and directory service software.
   - For new or upgrade installations with Message Router, make sure that Message Router is installed, configured and running before you start the ALL–IN–1 installation. If you plan to use a remote Message Router Directory Service, you must do a customized Message Router configuration to enable remote Directory Service access and configure Message Router exception reporting for the Directory Service and Transfer Service according to your planning decisions.

- For new installations with Digital X.500 and the MAILbus 400 MTA make sure that you have installed and configured all the required components on your ALL–IN–1 node or cluster. Digital X.500 and the MAILbus 400 MTA must be correctly installed, configured and running before you start the new ALL–IN–1 installation. See the *MAILbus 400 MTA and Digital X.500 Planning* chapter in the *ALL–IN–1 Overview and Planning Guide*.

4. Install and configure optional gateway products.
   - The Message Router VMSmail Gateway if required with Message Router.
   - The MAILbus 400 Message Router Gateway if required with the MAILbus 400 MTA.
   - The MAILbus 400 SMTP Gateway if required with the MAILbus 400 MTA.
5. Install DEC Notes.

1.7 Installation Procedure Requirements

This section describes the requirements for installing ALL–IN–1 Version 3.2. It explains how to check the values and how to change them if necessary.

1.7.1 Installing Account Requirements

Use the SYSTEM account to install ALL–IN–1 Version 3.2.

The installing account must have a valid rights identifier which is the same as the UIC for the account name. If you are using the SYSTEM account, the rights identifier must be the same as the UIC. To check the UIC and identifier values, do the following:

```
$ RUN SYS$SYSTEM:AUTHORIZE
UAF> SHOW/IDENTIFIER SYSTEM
```

The value that is displayed is the UIC of the system account. To add the rights identifier, if it is not set up, do the following:

```
UAF> ADD/IDENTIFIER SYSTEM/VALUE:UIC=[1,4]
UAF> EXIT
```

The installing account must also have sufficient quotas to enable you to perform the installation. Table 1–3 summarizes the requirements.

Note that these values are sufficient for installation, but they may not be appropriate for running ALL–IN–1. When you create new user accounts for ALL–IN–1 Version 3.2 the process quotas are set to the appropriate values. See the *ALL–IN–1 Management Guide*.

Table 1–3 Process Account Quotas for the Installing Account

Account Quota	VAX	Alpha	Notes
BYTLM	64 000	64 000	
ENQLM	300	300	
FILLM	200	200	
JTQUOTA	1800	1800	JTQUOTA can be returned to its normal system running value after the installation has completed.
PGFLQUOTA	25 000	65 000 pagelets	

1.7.2 System Parameters

Table 1–4 lists the minimum required system parameter values for the installation. Depending on the kinds of programs and applications running at your site, you may need higher values for some settings. If necessary, modify the parameters to at least these values.

Note

You must check the OpenVMS system parameters on each node in the cluster on which you install ALL–IN–1 Version 3.2.

The values for the system parameters and quotas given in this section are those specific to ALL–IN–1 Version 3.2 and are acceptable for most systems. The *ALL–IN–1 Management Guide* describes how to set system parameters for ALL–IN–1.

Dynamic system parameters are labelled with a (D) after them. You do not need to reboot your system after changing dynamic system parameters. If you need to set new values for other system parameters, you must reboot your system in order for the changes to take effect.

Table 1–4 Minimum System Parameter Values Required

System Parameter	VAX	Alpha
CTLPAGES	100	100
GBLSECTIONS	250 (new) 50 (upgrade)	250 (new) 50 (upgrade)
GBLPAGES	20000 (new) 5000 (upgrade)	35000 (new) 5000 (upgrade)
GBLPAGFIL	For new installations: 1. Add 1 to the number of active users. There is an upper limit of 200 for this value, so use 200 if your value is greater than 200. 2. Multiply your value by 16. 3. Add 500	For new installations: 1. Add 1 to the number of active users. There is an upper limit of 200 for this value, so use 200 if your value is greater than 200. 2. Add 32

(continued on next page)

Table 1–4 (Cont.) Minimum System Parameter Values Required

System Parameter	VAX	Alpha
GBLPAGFIL	For upgrade installations: 1. Add together the number of global buffers[3] on the following files in OA$DATA_SHARE: • ATTENDEE.DAT • MEETING.DAT • PENDING.DAT • PROFILE.DAT 2. Add the total from Step 1 to the number of global buffers in the shared document attributes files, OA$DAF_n.DAT in OA$SHARn, where n is a letter from A to E. 3. Multiply the total by 4 to convert to global pages 4. Add 500	For upgrade installations: 1. Add together the number of global buffers[3] on the following files in OA$DATA_SHARE: • ATTENDEE.DAT • MEETING.DAT • PENDING.DAT • PROFILE.DAT 2. Add the total from Step 1 to the number of global buffers in the shared document attributes files, OA$DAF_n.DAT in OA$SHARn, where n is a letter from A to E. 3. Divide the total by 4 to convert to global pages 4. Add 32
LOCKIDTBL	100 multiplied by the number of active users	100 multiplied by the number of users
MAXBUF (D)	5000	5000
MAXPROCESSCNT	50 plus the number of active users	50 plus the number of active users

[3]To find the number of global buffers do a DIR/FULL for each file.

(continued on next page)

Table 1–4 (Cont.) Minimum System Parameter Values Required

System Parameter	VAX	Alpha
RESHASHTBL	50 multiplied by the number of active users	50 multiplied by the number of active users
SCSNODE	Must be the same as the DECnet node name	Must be the same as the DECnet node name
SCSSYSTEMID	DECnet area number multiplied by 1024, plus the DECnet node number	DECnet area number multiplied by 1024, plus the DECnet node number
VIRTUALPAGECNT[4]	16 384 pages[5]	250 000 pagelets

[4]A high value of VIRTUALPAGECNT is required when running the File Cabinet test and repair procedure (FCVR program).

[5]This value is approximately the same as 250 000 pagelets.

Note

For the majority of installations, the values for CTLPAGES are sufficient. If you are planning to reboot your system to change other system parameters, you can increase the value to 200 for the duration of the installation.

1.7.3 Displaying Current System Parameters

Run the SYSGEN utility to display the current parameter settings:

1. To display all the current system parameter settings, enter:

```
$ RUN SYS$SYSTEM:SYSGEN
SYSGEN> SHOW /ALL
```

2. To show each system parameter setting separately enter:

```
SYSGEN> SHOW parameter
```

   where `parameter` is the parameter you want to examine.

3. Press Ctrl/Z to leave SYSGEN.

To check the number of free global pages and sections, enter the following commands:

```
$ WRITE SYS$OUTPUT F$GETSYI("FREE_GBLPAGES")
$ WRITE SYS$OUTPUT F$GETSYI("FREE_GBLSECTS")
```

If the value of free global pages or global sections is less than the value in Table 1–4 you must increase the system parameter setting. If the values displayed by the system are greater than the required values, you do not need to change the values for these parameters.

1.7.4 Changing System Parameter Values

Edit the file SYS$SYSTEM:MODPARAMS.DAT to change the system parameter values. The entry that you make in this file depends on which of the parameters you are modifying. See Table 1–5.

If you need to change and update non-dynamic system parameters, you must schedule time to reboot your system in order for the changes to take effect. The (D) after the system parameter value shows that they are dynamic parameters.

Table 1–5 Changing System Parameter Values

To change the following parameters	Do the following
SCSNODE SCSSYSTEMID	Edit SYS$SYSTEM:MODPARAMS.DAT and specify new parameter values. Use assignment statements of the form: `parameter = parameter-value` where `parameter` is the name of the parameter you want to change and `parameter-value` is the setting you want to change it to. See Table 1–4 for the required value.

(continued on next page)

Table 1–5 (Cont.) Changing System Parameter Values

To change the following parameters	Do the following

CTLPAGES
GBLPAGES
GBLPAGFIL
GBLSECTIONS
LOCKIDTBL
MAXBUF (D)
MAXPROCESSCNT
RESHASHTBL
VIRTUALPAGECNT
	Edit the file SYS$SYSTEM:MODPARAMS.DAT to specify new values. Include a line of the following format for each parameter to be changed:
	`ADD_parameter = increase-value`
	where `parameter` is the name of the parameter you want to change, and `increase-value` is *the amount by which you want to increase the setting of this parameter.*
	For example, to increase the value of LOCKIDTBL by 60, enter:
	`ADD_LOCKIDTBL=60`
	See Table 1–4 for the required values.

If you change any of the system parameter values, you must update them using AUTOGEN. See Section 1.7.4.1 and Section 1.7.4.2.

1.7.4.1 Updating Dynamic System Parameters with AUTOGEN

To update the dynamic system parameter values, do the following:

1. Run AUTOGEN as follows:

```
$ @SYS$UPDATE:AUTOGEN SAVPARAMS SETPARAMS
```

2. Write the changes to the current system:

```
$ RUN SYS$SYSTEM:SYSGEN
SYSGEN> USE CURRENT
SYSGEN> WRITE ACTIVE
```

3. Press Ctrl/Z to leave SYSGEN

You do not need to reboot your system to make your new values take effect.

For more information, see the OpenVMS manual describing the AUTOGEN utility.

1.7.4.2 Updating Non-Dynamic System Parameter with AUTOGEN

To update non-dynamic system parameter values, do the following:

1. Run AUTOGEN as follows:

   ```
   $ @SYS$UPDATE:AUTOGEN SAVPARAMS SETPARAMS
   ```

2. Check the values.
3. Manually reboot the system when convenient.

Note

You must reboot your system in order for the new values to take effect.

For more information, see the OpenVMS manual describing the AUTOGEN utility.

1.7.5 Disk Space on Your System Disk or Alternate Working Device

This section discusses the disk space requirement for your kit working device during an ALL–IN–1 Version 3.2 installation.

The default disk for your kit working device is your system disk. If your system disk does not have sufficient space, you can specify an alternate working device (AWD) when you start the installation.

The disk space values for your kit are given in the *ALL–IN–1 Installation: Language and Market Supplement*. You must also check the disk space requirements on the target disks where ALL–IN–1 Version 3.2 will be installed. See Section 1.7.7.

You can run the installation in either safety or non-safety mode.

Note

Digital recommends that you run your installation in safety mode (the default).

When you run the installation in safety mode, all of the ALL–IN–1 Version 3.2 kit is restored onto the system disk or AWD *before* the files are copied to their target locations. This means that you need a disk space requirement greater than the total size of the ALL–IN–1 Version 3.2 kit on your system disk. The disk space values for installing your kit in safety mode are given in the *ALL–IN–1 Installation: Language and Market Supplement*.

If you do not have enough disk space to run the installation in safety mode, you can run the installation in non-safety mode. In this case, each kit saveset is restored to the system disk before being copied to the target area. You need an amount of disk space on your system disk greater than the size of the largest saveset provided in the ALL–IN–1 Version 3.2 kit. The disk space values for installing your kit in non-safety mode are given in the *ALL–IN–1 Installation: Language and Market Supplement*.

1.7.6 Using the OA$LIB_SHARE Disk as the AWD

If you have sufficient space on the target disk on which OA$LIB_SHARE will reside, Digital recommends that you use this disk as the AWD. If you do have sufficient space to install on this target disk, the installation time can be reduced by approximately 20%. This is because the majority of the ALL–IN–1 files reside in the OA$LIB_SHARE directory and therefore the installation procedure can move those files to their target directories by using a RENAME operation, rather than a COPY operation.

1.7.7 Disk Space for ALL–IN–1 Areas on Target Disks

You can install ALL–IN–1 Version 3.2 in the following ways:

- On a single target disk
- Across several target disks by installing ALL–IN–1 areas on separate disks.

For upgrade installations, the installation procedure assumes that the ALL–IN–1 disks and top-level directories for the ALL–IN–1 areas have not changed, and that the ALL–IN–1 directory tree is the same. If you have moved any of the directories, you must put them back to their correct locations before upgrading.

You can install more than one ALL–IN–1 area on the same disk. If you do this, add the disk space values for the two areas together to find the total space required on that disk. See *ALL–IN–1 Overview and Planning Guide* for more information about ALL–IN–1 areas.

The disk space requirements for ALL–IN–1 language and market areas that you are installing are in the *ALL–IN–1 Installation: Language and Market Supplement*.

To calculate the total disk space requirements for your installation, add together the disk space requirements given in this section and the requirements given in the *ALL–IN–1 Installation: Language and Market Supplement*.

The disk space requirements for each ALL–IN–1 area are listed in the following tables:

- Table 1–6 for a new installation. See Section 1.7.9.
- Table 1–7 for an upgrade installation. See Section 1.7.10.
- Table 1–8 for the addition, upgrade or update of VAX or Alpha architecture support. See Section 1.7.11.

  These values can also be used for the addition, upgrade or update of architecture support for an additional language.

You are prompted to specify the target disks for each ALL–IN–1 area during the installation.

1.7.8 Assigning Logical Names to Your Disks

Digital recommends that you assign logical names to your disks where possible.

Note

To avoid conflicts with system logical names, do not assign logical names that start with:

- A1$
- OA$
- OA1$

In all types of installation, the installation procedure checks for conflicting system and process logical names, which could cause the installation to fail. You can check for conflicts before you start the installation. See Section 1.11 which describes how to run the Perform all preinstallation checks (PC) option.

The logical name checking includes a check for any existing logical names that start with OA$. An informational message lists the names found, and a warning message warns you that these logical names may be redefined.

If a logical name conflict is found, an informational message is displayed. If the conflicting logical name is defined in a system table, you can remove the conflicting logical name from another process, and then repeat the check. If the conflicting logical name is specific to the installing process, then you must abort the installation to fix the problem and then restart it. The installation will not continue until the logical name checking has passed.

For all upgrade or update installations, make sure that ALL–IN–1 logical names do not point to system root directories; for example, OA$LIB_SHARE must not be defined as SYS$SYSROOT:[ALLIN1.LIB_SHARE].

Do not use SYS$SYSDEVICE in directory specifications if you are installing on a mixed architecture cluster as the SYS$SYSDEVICE is different for each architecture.

1.7.9 New Installation: Disk Space for ALL–IN–1 Areas

Table 1–6 gives the disk space requirements for installing ALL–IN–1 areas on the system and target disks.

The disk space requirements given are those used during the installation. The permanent space used when the installation has completed may be slightly less.

Note

If you do not choose to integrate WPS–PLUS during the installation, you can decrease the disk space in the shared library area by approximately 6000 blocks.

If you choose to integrate WPS–PLUS, but without the associated PostScript® files, you can decrease the disk space in the shared library area by approximately 3000 blocks.

Table 1–6 New Installation: Disk Space for ALL–IN–1 Areas

ALL–IN–1 Area for	VAX	Alpha
System disk files[1]	21 000	61 000
Shared library files	55 000	86 000
Shared data files	12 500	12 500
Shared areas[2]	1000	1000
ALL–IN–1 Manager account[3]	1000	1000

[1]Space required to provide ALL–IN–1 shared files to system directories. Add the value given in the *ALL–IN–1 Installation: Language and Market Supplement* to get the total value.

[2]Multiply the disk space required by the number of shared areas you wish to create during the installation.

[3]Includes all utility accounts, for example, IVP and POSTMASTER.

For the disk space values for the primary language files, see the *ALL–IN–1 Installation: Language and Market Supplement*.

Note

Do not create the ALL–IN–1 manager's account in a subdirectory of an OpenVMS system directory.

1.7.10 Upgrade Installation: Disk Space for ALL–IN–1 Areas

Table 1–7 gives the disk space requirements for upgrading ALL–IN–1 areas on the system and target disks.

The disk space requirements given are those used during the installation. The permanent space used when the installation has completed may be slightly less.

The values given in the table assume that you choose to purge files during the installation. If you choose not to purge replaced files, you must use the values given in Table 1–6.

Note

If you do not choose to integrate WPS–PLUS during the installation, you can decrease the disk space in the shared library area by 5000 blocks.

If you choose to integrate WPS–PLUS without the associated PostScript files, you can decrease the disk space in the shared library area by 2000 blocks.

Table 1–7 Upgrade Installations: Disk Space for ALL–IN–1 Areas

ALL–IN–1 Area for	VAX	Alpha
System files[1]	10 500	61 000
Shared library files	11 000	86 000
Shared data files	2000	2000

[1]Space required to provide ALL–IN–1 shared files to system directories. Add the value given in the *ALL–IN–1 Installation: Language and Market Supplement* to get the total value

For the disk space values for the primary language files, see the *ALL–IN–1 Installation: Language and Market Supplement*.

1.7.11 Addition of Architecture Support: Disk Space for ALL–IN–1 areas

Table 1–8 gives the disk space requirements for adding, upgrading or updating architecture support on the system and ALL–IN–1 target disks.

These values also apply to the addition, upgrade or update or architecture support for an additional language.

Table 1–8 Addition, Upgrade or Update of Architecture Support: Disk Space for ALL–IN–1 Areas

ALL–IN–1 Area for	VAX	Alpha
System files[1]	21 000	61 000
Shared library files	37 000	73 000

[1]Space required to provide ALL–IN–1 files to system directories. Add the value given in the *ALL–IN–1 Installation: Language and Market Supplement* to get the total value

For the disk space values for the primary language files, see the *ALL–IN–1 Installation: Language and Market Supplement*.

1.7.12 Disk Quota Allocation

If disk quota is enabled, the installation procedure adds sufficient disk quota for accounts and identifiers created during the installation.

1.7.13 Installed Images

Make sure that the shareable image and message files listed in Table 1–9 are installed on your VAX system and Table 1–10 are installed on your Alpha system before you install ALL–IN–1. Note that this list of required images applies to the versions of the products listed in Table 1–2.

Table 1–9 Installed Images Required on VAX

Product	Image Required on VAX
Always required	SYS$SHARE:CONVSHR.EXE

(continued on next page)

Table 1–9 (Cont.) Installed Images Required on VAX

Product	Image Required on VAX
	SYS$SHARE:CMA$TIS_SHR.EXE
	SYS$SHARE:DECC$SHR.EXE
	SYS$SHARE:FDLSHR.EXE
	SYS$MESSAGE:FDVMSG.EXE
	SYS$SHARE:FDVSHR.EXE[1]
	SYS$SHARE:LBRSHR.EXE
	SYS$SHARE:LIBRTL.EXE
	SYS$SHARE:MTHRTL.EXE[2]
	SYS$SHARE:PASRTL.EXE
	SYS$SHARE:PLIRTL.EXE
	SYS$SHARE:SCRSHR.EXE
	SYS$SHARE:VAXCRTL.EXE
	SYS$SHARE:VMSRTL.EXE
ACMS	SYS$SHARE:ACMSHR.EXE
CDA	SYS$SHARE:CDA$ACCESS.EXE
	SYS$SHARE:IMG$SHRLIB_NOX.EXE
	SYS$SHARE:DDIF$CC_VIEWSHR.EXE
DATATRIEVE	SYS$SHARE:DTRSHR.EXE (the standard). If you are using another DATATRIEVE image that you want to link with ALL–IN–1, you must make sure that image is installed before the installation.
	SYS$SHARE:CDDSHR.EXE
	SYS$MESSAGE:DTRMSGS.EXE
	SYS$SHARE:CDDEXC.EXE

[1]This is a language-specific image which can have a different name on other language versions.

[2]For certain processors, the logical is defined to point to SYS$SHARE:UVMTHRTL.EXE

(continued on next page)

Table 1–9 (Cont.) Installed Images Required on VAX

Product	Image Required on VAX
DEC Notes	SYS$SHARE:NOTES$SHARE.EXE
Digital X.500	SYS$SHARE:DXD$DUA_SHR.EXE SYS$SHARE:DXD$XDS_SHR.EXE
The MAILbus 400 MTA	SYS$SHARE:MTA$XAPI_SHR.EXE
Message Router	SYS$SYSTEM:MRTALK.EXE
TCP/IP	SYS$SHARE:UCX$IPC_SHR.EXE

Table 1–10 Installed Images Required on Alpha

Product	Image Required on Alpha
Always required	SYS$SHARE:CONVSHR.EXE SYS$SHARE:CMA$TIS_SHR.EXE SYS$SHARE:DECC$SHR.EXE SYS$SHARE:DPML$SHR.EXE SYS$SHARE:FDLSHR.EXE SYS$MESSAGE:FDVMSG.EXE SYS$SHARE:FDVSHR.EXE[1] SYS$SHARE:LBRSHR.EXE SYS$SHARE:LCI$SHARE_TV.EXE SYS$SHARE:LIBOTS.EXE SYS$SHARE:LIBRTL.EXE

[1]This is a language-specific image which can have a different name on other language versions.

(continued on next page)

Table 1–10 (Cont.) Installed Images Required on Alpha

Product	Image Required on Alpha
	SYS$SHARE:LIBRTL_TV.EXE[2]
	SYS$SHARE:MTHRTL_TV.EXE[2]
	SYS$SHARE:PAS$RTL.EXE
	SYS$SHARE:SCRSHR.EXE
	SYS$SHARE:SECURESHR.EXE
	SYS$SHARE:SECURESHRP.EXE
	SYS$SHARE:SMGSHR.EXE
	SYS$SHARE:TIE$SHARE.EXE
	SYS$SHARE:VAXCRTL_TV.EXE[2]
	SYS$SHARE:VMS$IEEE_HANDLER.EXE
ACMS	SYS$SHARE:ACMSHR.EXE
CDA	SYS$SHARE:CDA$ACCESS.EXE
	SYS$SHARE:DDIF$CC_VIEWSHR.EXE
	SYS$SHARE:IMG$SHRLIB_NOX.EXE
DATATRIEVE	SYS$SHARE:DTRSHR.EXE (the standard). If you are using another DATATRIEVE image that you want to link with ALL–IN–1, you must make sure that image is installed before the installation.
	SYS$SHARE:CDDSHR.EXE
	SYS$MESSAGE:DTRMSGS.EX
	SYS$SHARE:CDDEXC.EXE
DEC Notes	SYS$SHARE:NOTES$SHARE.EXE

[2]This is a logical which typically translates to something like the following example: LIBRTL_D56_TV.EXE

(continued on next page)

Table 1–10 (Cont.) Installed Images Required on Alpha

Product	Image Required on Alpha
Digital X.500	SYS$SHARE:DXD$DUA_SHR.EXE SYS$SHARE:DXD$XDS_SHR.EXE
MAILbus 400 MTA	SYS$SHARE:MTA$XAPI_SHR.EXE
TCP/IP	SYS$SHARE:UCX$IPC_SHR.EXE

To check which images are installed on your system, enter the following commands:

```
$ INSTALL
INSTALL> LIST imagename
imagename;       Open Shar Lnkbl
```

`imagename` is the directory and file specification of the image to be checked.

If there is no entry for the image or the qualifiers are incorrect, you must install the image with the correct qualifiers.

To install:

- SYS$MESSAGE:FDVMSG.EXE and SYS$SHARE:FDVSHR.EXE, see Section 1.7.14.
- Other images, see Section 1.7.15.

For more information about installing images, see the manual describing the Install Utility.

1.7.14 Installing FDVMSG.EXE and FDVSHR.EXE Images

If the images SYS$MESSAGE:FDVMSG.EXE and SYS$SHARE:FDVSHR.EXE are not installed, do the following:

1. Edit the command procedure SYS$STARTUP:FMSTARTUP.COM to remove the EXIT command that appears before the entry:

   ```
   RUN SYS$SYSTEM:INSTALL
   ```

2. Execute the command procedure SYS$STARTUP:FMSTARTUP.COM

1.7.15 Installing Other Images

Install other images as follows:

```
$ INSTALL
INSTALL> CREATE imagename /OPEN /SHARED /HEADER_RES
INSTALL> EXIT
```

1.7.16 Checking The Location of DCLTABLES.EXE

Check that DCLTABLES.EXE is in the directory SYS$COMMON:[SYSLIB]. If it is in a different directory, move it to this location before starting the installation.

To check if DCLTABLES.EXE is in the correct location, enter:

```
$ INSTALL
INSTALL> LIST/FULL SYS$COMMON:[SYSLIB]DCLTABLES.EXE
```

If it is not in the correct location, remove it:

```
INSTALL> REMOVE DCLTABLES.EXE
```

Move DCLTABLES.EXE to the correct location and then replace it:

```
INSTALL> CREATE DCLTABLES.EXE /OPEN/SHARED/HEADER_RES
```

1.8 Additional Tasks for Upgrade Installations

If you are upgrading an existing ALL–IN–1 system, do the following:

1. Review your object libraries.

   Your object libraries may have been updated if you installed layered products. ALL–IN–1 provides two template .OLB files in the following directories:

   - OA$SITE_BUILD_SHARE:SITEOALIBR.OLB
   - OA$SITE_BUILD_LLV:SITEOALLV.OLB

   During the installation, a warning is displayed if there are additional .OBJ or .OLB files in these directories. Check that any additional object libraries or files in this directory are compatible with ALL–IN–1 Version 3.2. Remove any object libraries or files that are not compatible. Although these files are not used during the installation, they will cause problems if you need to relink ALL–IN–1 after the installation.

2. If you have a multilingual system, check that the files OA$LLV*.EXE are not in SYS$COMMON:[SYSLIB]. If they are, move them to the SYS$SYSROOT:[SYSLIB] directory before upgrading.

3. Check that all files in your site areas have at least system write access (S:W) and that Digital ALL–IN–1 directories in non-site areas also have system delete access (S:D).
4. Make copies of customized data files. See Section 1.8.1.

1.8.1 Copying Customized Data Files

ALL–IN–1 Version 3.2 uses modified versions of several data files:

- In the base area:
  - A1CONFIG.DAT
  - OA$PC_NOTIFY.DAT (a secondary key has been added)
  - PROFILE.DAT
  - SM_ACCOUNT_TYPES.DAT (The form is SMTEMPLATE)
- In the language areas:
  - FORMAT.DAT (New records have also been added)
  - OA$PRINTSTYLES.DAT (The form is SMPRINTERTYPES and new records have also been added)
- In users' areas:
  - OA$USERPRINTERSTYLES.DAT (The form is USERPRINTSTYLES)
- Files which have not been converted but their record layouts have changed:
  - ATTENDEE.DAT
  - DOCDB.DAT
- Files which have not been converted but their records have changed or new ones have been added:
  - CM$SDC
  - CM$CART$RUNS.DAT
  - OA$SM_UTILITY_MASTER
  - X400COUNTRY_CODES.DAT

    This file has been replaced by a new one with additional records.

ALL–IN–1 Version 3.2 also supplies new versions of the File Definition Language (FDL) files in OA$LIB_SHARE which are used to convert the corresponding data files to the new format. The old FDL files are not required after the upgrade.

Before upgrading, make copies of any data files that you have customized as new versions of data files are provided with ALL–IN–1 Version 3.2. You must also return the data files to the Digital standard format before you upgrade.

In the following instructions, the data file, PROFILE.DAT is used as an example. To make copies of your customized data file and return them to the Digital standard format, do the following:

1. Make a backup copy of the modified PROFILE.DAT file, preferably outside the ALL–IN–1 directory structure:

   ```
   $ COPY OA$DATA_SHARE:PROFILE.DAT device:[directory]CUSTOM_PROFILE.DAT
   ```

2. Use Customization Management to make copies of the customized PROFILn forms. For example, copy the customized forms to CUSTOM_ PROFILn and modify the named data so that the .FILE and FORM_SET directives specify the location of the backup copy of the file. The following example shows the parts of the named data that must be modified.

   ```
   ;;.FILE;;
   OA$DATA_SHARE:PROFILE.DAT,OA$LIB:PROFILE.FDL
   ;;.FORM_SET;;
   PROFIL2,PROFIL3,PROFIL4,PROFIL5,PROFIL6,PROFIL7,PROFIL8
   ```

3. Make the copies of the customized forms live.

4. Remove the customized PROFILn forms and PROFIL.FDL from the live area.

5. Convert the modified PROFILE.DAT back to the standard format. This may temporarily lose some data, but you can reapply it from the backup copy of PROFILE.DAT later. To convert PROFILE.DAT back to the Digital standard format, enter the following from the choice field of a menu:

   ```
   <OA$CNV_CONVERT CUSTOM_PROFIL,PROFIL
   ```

   This creates a new version of OA$DATA:PROFILE.DAT to use during the upgrade.

6. Upgrade to ALL–IN–1 Version 3.2.

7. Follow the postinstallation instructions in Section 5.10.3 to restore your customizations.

1.9 Using the MAILbus 400 MTA and Digital X.500

You can install a new ALL–IN–1 Version 3.2 system with the MAILbus 400 MTA and Digital X.500. You cannot upgrade from ALL–IN–1 Version 3.1 using these products.

For a new ALL–IN–1 Version 3.2 installation, with Digital X.500 and the MAILbus 400 MTA you must make sure that you have installed all the required MAILbus 400 MTA and Digital X.500 components on your ALL–IN–1 system, configured them and completed any additional setup tasks. See the checklist in the *MAILbus 400 MTA and Digital X.500 Planning* chapter in the *ALL–IN–1 Overview and Planning Guide*.

1.10 Using a Remote Message Router

If you will be using a remote Message Router that is not in the same VMScluster, you must do the following:

1. On the remote Message Router node, create an ALL–IN–1 mailbox for the node (or cluster) on which you are installing ALL–IN–1. See Section 1.10.1.
2. Create an entry for the remote Message Router node in the network nodes database on the local machine on which you are installing ALL–IN–1.
3. Ensure that Message Router is running on the remote node before you start the installation. If it is not running, you will see errors when the installation procedure starts up the Sender and Fetcher processes.

1.10.1 Create an ALL–IN–1 Mailbox on the Remote Message Router Node

Do this if you are planning to use a remote Message Router. If you do not create a mailbox before the installation, you will see problems when the installation procedure starts up the Sender and Fetcher processes.

Message Router must be running and configured before you start the installation.

If you are using a remote Message Router which is on a node in the same VMScluster as ALL–IN–1 the ALL–IN–1 mailbox name will be A1.

If the remote Message Router is not in the same VMScluster, other ALL–IN–1 systems may be sharing the same Message Router. The name of the Message Router mailbox must be unique for your system. For example, the mailbox name, `mailboxname`, could be `localnodeA1` where `localnode` is the name of the node or the cluster on which you are installing ALL–IN–1. `password` is the password that you want to use for the Message Router mailbox. You are prompted for this password during the installation.

On the Message Router node, do the following to create the ALL–IN–1 mailbox:

```
$ RUN SYS$SYSTEM:MRMAN
MRM> ADD mailboxname /PASSWORD=password /COMPLETE_MESSAGES /IGNORE_SENDER _
     /SERVICE_MESSAGES /SUPPRESS_DELIVERY_REPORTS
MRM> EXIT
```

Note that you must not use the /OWNER qualifier when setting up the mailbox.

1.11 Running the Preinstallation System Check

The ALL–IN–1 Version 3.2 installation procedure provides a Perform all preinstallation checks (PC) option. Digital recommends that you use this option before installing ALL–IN–1 Version 3.2 to ensure that you have made all necessary system changes before installing the software.

You can use this option while an existing ALL–IN–1 system is running so you do not have to ask your users to log out of the system.

The option for preinstallation checks allows you to:

- Run the phase of the installation in which you answer questions and the installation procedure performs system checks
- Fix errors encountered by the installation procedure
- Exit without performing the installation

Where possible the installation checks are done in an order which finds fatal errors first. Section 1.11.1 describes the types of errors that are detected. Section 1.11.2 describes how to use the Perform all preinstallation checks (PC) option.

1.11.1 Types of Errors Reported

The following types of errors are detected:

- Fatal errors

  These are errors which cannot be corrected without stopping the installation procedure. Fatal errors include:

  - Errors that require the machine to be rebooted
  - Errors that require an upgrade to prerequisite software, including OpenVMS, Message Router and the Message Router VMSmail Gateway, or Digital X.500, the MAILbus 400 MTA and Message Router Gateway.

- Non-fatal errors

These are errors that can be corrected from another process without stopping the installation procedure. Non-fatal errors include:

- Shareable images that are not installed
- Logical names that are not defined
- System parameters that can be changed dynamically
- Prerequisite software files that are missing
- Insufficient disk space

1.11.2 Running the Perform all Preinstallation Checks (PC) Option

To run the Perform all preinstallation checks (PC) option, follow Steps 1 to 6 in Table 2–2 until you are prompted with a list of installation options.

Do the following:

1. Press Return to choose the default option.

   Note

   Choosing this option does not install the software.

   The following message is displayed:

```
  The installation procedure allows you to perform the following actions:

  (I)   Perform the installation
  (PC)  Perform all preinstallation checks

* Which action do you wish to perform [I]:
```

2. Choose the Perform all preinstallation checks (PC) option by entering: `PC`.
3. If a check fails with an error that can be corrected without stopping the installation procedure, you are asked if you want to correct the error before continuing.

   If you answer yes, the installation checking procedure pauses so that you can fix the error from another process. When the error is fixed, you can resume the procedure, and the check is repeated.

   If you choose not to correct the error, you have the option of halting the procedure or continuing to perform the remaining checks. If you choose to continue, the installation procedure will terminate when all the checks are performed.

1.12 Final System Preparation Tasks: New Installations

To prepare your system for a new ALL–IN–1 Version 3.2 installation, do the following:

1. Check that all prerequisite software is installed, configured and running.
2. Start the queue manager, if necessary.
3. Back up the system disk and any target disks. See Section 1.14.

1.13 Final System Preparation Tasks: Upgrade Installations

For an upgrade installation from ALL–IN–1 Version 3.1, carry out the following steps before starting the installation. Each step is described in the following sections.

From the privileged SYSTEM account, do the following:

1. Shut down ALL–IN–1. See Section 1.13.1.
2. Ensure that Message Router is running and is correctly configured.
3. Deinstall files in the site areas that are installed in memory. See Section 1.13.2.
4. Start the queue manager, if necessary.
5. Back up the system disk and any target disks. See Section 1.14.

1.13.1 Shut Down ALL–IN–1

Ask users currently on the system to log out, and then shut down ALL–IN–1.

Note

ALL–IN–1 must not be used by any batch jobs or users during the installation, or the installation will fail.

Do not allow anyone to log in again while the installation is in progress. You can allow OpenVMS users to remain on the system, but it is important to ensure that users do not use DCL HELP while the installation is in progress, as this can cause file locking problems when the DCL HELP library is updated during the installation. If possible, it is safer to ensure that there are no active users on the system.

1.13.2 Deinstall Files Installed in Memory

If you have any files in the site areas that are installed in memory, for example, SITE$OA.A1$SECTION, deinstall them on all nodes in the cluster before you start the installation. Deinstalling files from memory will prevent them from being write locked. The installation sets an ACL on all files in the site areas so you must ensure that all files in the site area have system write access (S:W). Make sure that you deinstall any of your own code-level executable images that are installed in memory.

1.14 Back Up Your System and Target Disks

Digital recommends that you do a system disk backup before installing any software because:

- If a system failure occurs at a critical point during installation, your ALL–IN–1 system could be left in an inconsistent state.
- You can verify that the backup copy contains a working system image and then replace the system disk with it.
- There is more contiguous free space, which may be needed for installation.

If you are going to install ALL–IN–1 Version 3.2 on more than one disk, back up the target disks that you will be using.

Use the backup procedures that are established at your site. For details on performing a system disk backup, see the section on the Backup Utility in the OpenVMS System Management Subkit.

At the beginning of the installation, VMSINSTAL asks if you have backed up your system disk.

2

Installation Procedure: New, Upgrade and Architecture Support

This chapter describes the procedures for installing the ALL–IN–1 Version 3.2 base, language and market components. The following installation examples are given:

- A new installation of ALL–IN–1 Version 3.2 on an Alpha system with the MAILbus 400 MTA and Digital X.500. See Section 2.1.
- Upgrade installation of ALL–IN–1 Version 3.1 to ALL–IN–1 Version 3.2 with Message Router and the Message Router Directory Service. The installation is done on the Alpha system in a mixed-architecture VMScluster, where Message Router is installed on a remote VAX node. See Section 2.1.
- Addition or upgrade of additional architecture support on a mixed-architecture VMScluster. See Section 2.2.

Before You Start

Do not start the installation until you have done the following:

1. Planned your installation by reading the *ALL–IN–1 Overview and Planning Guide*.
2. Completed the system preparation tasks in Chapter 1 to check that your system is ready for the installation.

Questions asked by installation procedure are marked with an asterisk (*) at the beginning of the line. For help on answering a particular question, enter a question mark (?).

Installation Procedure: New, Upgrade and Architecture Support

During the installation procedure a number of cautions and general informational messages are displayed. Read all the displayed messages carefully. Table 2–1 gives information which you may need during the installation.

Table 2–1 Information About the Installation Procedure

Question	Answer
How long will the installation take?	On Alpha As an example, installing on an Alpha 4000-610 system takes about 1 hour and 15 minutes for a full installation when the files are installed on an RZ28 disk using an alternate working directory (AWD). On VAX The installation can take from one to six hours, depending on the type of processor you are using. The performance specification of the disks has the greatest effect. For example, an installation on a VAX 4000-300 system takes approximately 3.5 hours when files are installed on an RF71 disk and 1.5 hours if files are installed on an RZ26 disk. The times for new and upgrade installations are approximately the same.
How do I get help?	Enter ? at any time
What is the product identifier?	A1032
What do I do if the installation fails before the automatic postinstallation phase?	Restart the installation from the beginning. See Chapter 4.
How do I abort the installation?	Press CTRL/Y. The installation procedure deletes all files in the installation temporary working directory. Note that this may take a long time. Any files that have been provided to target locations remain there. Note: VMSINSTAL does not delete any accounts, identifiers, or directory structures that are created. Restart the installation.
How do I restart the installation?	See Chapter 4.

2.1 Installation Procedure for New and Upgrade Installations

Table 2–2 lists all the installation steps for a new or upgrade installation. The example scripts in the table show extracts from a new installation on an Alpha system using the MAILbus 400 MTA and Digital X.500 and an upgrade installation from ALL–IN–1 Version 3.1 with Message Router.

Depending on your distribution media, you may be prompted to change the tape or cartridge during the installation.

Table 2–2 Installation Procedure for New and Upgrade Installations

Step	Action
1	Create a log file for the installation. Digital recommends that you keep a record of the installation in case of problems. You can keep a log by using either a hard copy terminal or a log file. To keep a record in a log file, enter: `$ SET HOST 0/LOG=filename` where `filename` is the name of the log file. The log file is created in the directory where you enter the command. If you do not specify a filename, the file is called SETHOST.LOG. The installation log file will be about 200 blocks. If you are running console management software, you can use this to record the installation. See your console management documentation for further information.
2	Load and mount the media that contains the software kit. If you are installing from a tape or cartridge, you will be prompted to change the tape or cartridge when required. You do not need to change the media when you are installing from a compact disc (CD).

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

3	Invoke the VMSINSTAL procedure from the SYSTEM account.
	Enter the following commands:
	`$ SET DEFAULT SYS$UPDATE`
	`$ @VMSINSTAL A1032 device`
	To use an alternate working device (AWD), enter the following command lines:
	`$ SET DEFAULT SYS$UPDATE`
	`$ @VMSINSTAL A1032 device OPTIONS AWD=disk`
	`device` is the device on which you have mounted the distribution media. You can use a physical or a logical device name but do not use logical device names beginning with A1$, OA$, or OA1$. `A1032` is the product identifier and `disk` is the location of the alternate working device.

4	Verify your system backup.
	`OpenVMS VAX Software Product Installation Procedure V6.2`
	`It is 19-MAR-1996 at 13:04.`
	`Enter a question mark (?) at any time for help.`
	`* Are you satisfied with the backup of your system disk [YES]?`
	Press RETURN to continue.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

5	Load the distribution media (first volume).
	`Enter the products to be processed from the first distribution volume set:`
	`* Products: A1032`
	`* Enter installation options you wish to use (none):`
	`Please mount the first volume of the set on device`
	`* Are you ready?`
	Enter the product identifier, `A1032`, at the prompt. Enter `Y` to confirm that the media is correctly mounted and you are ready to start.

For installation type	Go to
New	Step 6
Upgrade	Step 8

6	New Installation: Enter the number for the type of installation that you want to do.
	`This is a LOCAL ALL-IN-1 V3.2 BASE kit`
	`Logical OA$IMAGE is not defined.`
	`No ALL-IN-1 image can be found using the default specification.`
	`Using the FULL ALL-IN-1 V3.2 kit, the following installation types can be performed:`
	`(1) A new installation of ALL-IN-1 V3.2`
	`(RL) Register licenses for pre-requisite software`
	`* Which installation do you wish to perform [1]:`
	Enter `1` to install a new ALL–IN–1 system.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

7	New Installation: Confirm that you want to start the installation.
	`The installation procedure allows you to perform the following actions:`
	`(I) Perform the installation`
	`(PC) Perform all pre-installation checks`
	`* Which action do you wish to perform [I]:`
	Press RETURN to start the installation.
	To continue: go to Step 10.

8	Upgrade Installation: Enter the number for the type of installation you want to perform.
	`This is a LOCAL ALL-IN-1 V3.2 BASE kit`
	`The current ALL-IN-1 image identification is ALL-IN-1 V3.1.`
	`Using the FULL ALL-IN-1 V3.2 kit, the following installation types can be performed:`
	`(1) Upgrade of ALL-IN-1 V3.1 to ALL-IN-1 V3.2`
	`(2) Add, upgrade, or update Alpha components for an ALL-IN-1 V3.2 system`
	`(RL) Register licenses for pre-requisite software`
	`* Which installation do you wish to perform [1]: ?`
	Enter 1 to upgrade an existing ALL–IN–1 system.
	If you are running ALL–IN–1 in a single-architecture VMScluster, you are not offered option (2).

9	Upgrade Installation: Confirm that you want to start the installation.
	`The installation procedure allows you to perform the following actions:`
	`(I) Perform the installation`
	`(PC) Perform all pre-installation checks`
	`(RC) Run conflict checking and resolution tool (CART)`
	`* Which action do you wish to perform [I]:`
	Press RETURN to continue with the installation.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action
10	Confirm that the License PAK is registered and loaded: `* Does this product have an authorization key registered and loaded [YES]?` Press RETURN to continue. **For installation type** — **Go to** Upgrade — Step 11 New — Step 12
11	Upgrade Installation: Confirm that you want to purge files. `* Do you want to purge files replaced by this installation [YES]?` Press RETURN to purge files.
12	Indicate whether you want to integrate DATATRIEVE with ALL–IN–1. `DATATRIEVE can be integrated into ALL-IN-1. On VAX systems with Deferred image activation enabled the DATATRIEVE image will be deferred. If you use the standard DATATRIEVE image SYS$SHARE:DTRSHR.EXE then you can select to dynamically activate DATATRIEVE. You will still be able to use DATATRIEVE within ALL-IN-1, but you will avoid any performance impact of having it physically linked with the ALL-IN-1 image.` `* Do you want to integrate DATATRIEVE with ALL-IN-1 [NO]?` Press RETURN if you do not want to integrate DATATRIEVE. If you want to integrate DATATRIEVE, enter `Y`. You are prompted to supply the name of the DATATRIEVE image that you want to link with. If you are using the standard DATATRIEVE image, SYS$SHARE:DTRSHR.EXE, you are asked if you want to dynamically activate DATATRIEVE during the ALL–IN–1 startup. It is recommended that you do.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

13	Indicate whether you want to install WPS–PLUS with ALL–IN–1. If you do not have a license which includes WPS–PLUS, you will not be asked this question.
	
	`If you wish to have the WPS-PLUS editor available, answer YES to the following question. If you do not wish to install the WPS-PLUS editor, answer NO.`
	
	`NOTE:`
	
	`o If WPS-PLUS is not installed then the WPS-PLUS linguistics aids (SPELL CHECKER and THESAURUS) and the WPS-PLUS SORT and MERGE processing functionality will not be available.`
	
	`o You will be able to do an ALL-IN-1 update installation to add WPS-PLUS at a later time, should you choose not to install it now.`
	
	`* Do you want to install WPS-PLUS with ALL-IN-1 [YES]?`
	
	Press RETURN to install WPS–PLUS. You are then asked if you want to install the graphics and page overlay samples:
	
	`%A1-I-WPSLINK, The WPS-PLUS editor will be installed and linked with ALL-IN-1`
	
	`This kit contains a library of Encapsulated PostScript(R) graphics and PostScript(R) Page Overlay samples. Their total size is approximately 3,000 blocks when they are copied to the ALL-IN-1 library directory.`
	
	`* Do you want these graphics copied to the ALL-IN-1 library directory [NO]?`
	
	Press RETURN if you do not want to copy the files.
	
	Enter `Y` to copy the files.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

14	Indicate whether you want to incorporate ACMS.
	`If you wish to interface with ACMS, answer YES to the following questions.`
	`NOTE:`
	`o ACMS must be installed before ALL-IN-1.`
	`o If you answer YES and the relevant ACMS files are present then the interface to ACMS will be built. If the files are not present, then you may either continue the installation without linking with ACMS or abort the installation to correct the problem.`
	`* Do you want to integrate ACMS with ALL-IN-1 [NO]?`
	Press RETURN if you do not want to integrate ACMS.
	Enter `Y` if you want to integrate ACMS.

15	Indicate whether to you want to build a multilanguage system.
	`If you wish to use more than one ALL-IN-1 language, answer YES to the following question.`
	`* Do you want to build a MULTI-LANGUAGE system [NO]?`
	Press RETURN if you do not want to build a multilanguage system.
	Enter `Y` if you plan to install additional languages and you want to build a multilanguage system.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

16	Select a default date format.
	
	`ALL-IN-1 allows you to select a default date format for each language you have installed. This will become the default ALL-IN-1 date format for each user (on a per language basis.) This may be changed by each user through the Set Working Conditions option on the User Setup Menu.`
	
	`Alphanumeric Date  Numeric Date`
	
	`1  DD-MMM-YYYY  MM/DD/YY  (Standard Default)`
	`2  DD-MMM-YYYY  DD/MM/YY`
	`3  DD-MMM-YYYY  YY/MM/DD`
	`4  YYYY-MMM-DD  MM/DD/YY`
	`5  YYYY-MMM-DD  DD/MM/YY`
	`6  YYYY-MMM-DD  YY/MM/DD`
	`7  ***** Reserved (Means system default) *****`
	`8  DD-MM-YYYY  DD/MM/YY  (Numeric format)`
	`9  MM-DD-YYYY  MM/DD/YY  (Numeric format)`
	
	`* Which date format do you require [1]:`
	
	Press RETURN to use the default format or enter the number for the date format that you want to use.

17	Specify the greatest number of simultaneous ALL–IN–1 users. `* What will be the greatest number of simultaneous ALL-IN-1 users:` Upgrade installation A default value is given. Press RETURN to accept the default value. New installation Specify the maximum number of ALL–IN–1 users that you expect at any one time. The installation procedure uses this entry to check that system parameters are large enough to support your intended number of users.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action
18	Specify a batch queue for running the job that checks the Mail Sender and Fetcher processes. `* Which batch queue do you want to use for the Sender/Fetcher check job? [SYS$BATCH]:` Press RETURN to use the default queue or specify the name of an existing batch queue. For an upgrade installation: Go to Step 20.

19	New installation: Specify a batch queue for starting the AIDA and File Cabinet Servers, and the Sender and Fetcher processes.
	`ALL-IN-1 must use a running batch queue on this node to start the AIDA and File Cabinet Servers, and the Sender and Fetcher processes.`
	`* Which queue do you want to use? [default]:`
	Press RETURN to accept the default queue or enter the name of an existing batch queue on this node that is not generic and that is currently running.
	The queue that you specify will be added to the Node Specific Batch Queue Master file, and will be stored in the configuration files of any Servers created during this installation. You can change the queue later, or add queues for other nodes in your cluster, using the Manage node specific queues (MNQ) option from the System Management menu.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

20	Indicate if you want to send and receive remote mail. The installation procedure checks the type and versions of the message transport and directory service software that are installed on your system.
	`ALL-IN-1 Electronic Messaging can send and receive messages, to and from other computer systems using either the MAILbus 400 or Message Router products.`
	`* Do you want to be able to send and receive remote mail [YES]?`
	Press RETURN if you want to use remote mail.
	If you answer NO to this question, ALL–IN–1 users will only be able to exchange messages locally with other users on the same computer system.

If You	Go To
Do not want to use remote mail	Step 28
Are installing a new ALL–IN–1 system with Digital X.500 and the MAILbus 400 MTA	Step 21
Are upgrading with Message Router	Step 22

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

21	New Installation with the MAILbus 400 MTA and Digital X.500: Confirm that you want to use the MAILbus 400 MTA for remote mail.
	
	`If you plan to use MAILbus 400 as your MTA, then answer YES to this question. You will not have been offered this choice unless the installation checks have revealed that the product is installed.`
	
	`Note that even though MAILbus 400 appears to be installed and initially configured, it is unlikely that it will sucessfully process your mail until you have completed all the set up tasks described in the Mail Management Guide.`
	
	`If you answer NO to this question, ALL-IN-1 users will only be able to exchange messages locally, unless you subsequently choose to use Message Router (if it is available.)`
	
	`* Do you want to use MAILbus 400 for remote mail [YES]?`
	
	Press RETURN to use the MAILbus 400 MTA for remote mail.
	
	It does make any difference to the installation if the MAILbus 400 MTA is installed on the same node as ALL–IN–1 or on a different node in the same VMScluster on a remote node outside the cluster, providing that you have completed all the configuration and set up tasks that are covered in the *Overview and Planning Guide*.
	
	To continue: Go to Step 25.

22	Upgrade Installation: Confirm that you want to use Message Router for remote mail. ALL–IN–1 on a VAX node can be configured to use a local Message Router which is installed on the same node or a remote Message Router which is installed on a different node. ALL–IN–1 on an Alpha node can only use a remote Message Router. This example script is on an Alpha system so it must be configured to use a remote Message Router. `* Do you want ALL-IN-1 to be configured to use Message Router [YES]?` Answer `Y` to confirm that you want to use Message Router.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action
23	Upgrade Installation: If Message Router is not installed on this node, confirm that you want to use a remote Message Router. `* Do you want to use a remote Message Router [YES]?` Enter `Y` to confirm that you want to use a remote Message Router. Note that the default value for this answer depends on whether you are doing the upgrade installation on a VAX system or an Alpha system. In this example, the upgrade is on an Alpha system, so the default is to use a remote Message Router.

24	Upgrade Installation: Enter the name of the remote Message Router node.
	`* What node is the Message Router on:`
	Enter the DECnet node name of the remote Message Router node.
	Note that the remote Message Router node must be in the network nodes database on the node on which you are installing ALL–IN–1. As this is an upgrade you will not be asked for a password for the Message Router mailbox.
	Additional Questions
	If you are installing a new ALL–IN–1 system with Message Router, you are prompted to enter a password for the Message Router mailbox.
	`* Enter a password for the Message Router mailbox:`
	`* Please confirm the password that you specified:`
	The password must be a minimum of 8 characters and a maximum of 32 characters. Confirm the password.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action
25	Indicate the type of Mail Directory support that you want. For new installations where Digital X.500 is installed, the following is displayed: `* What type of Mail Directory support do you want [X]:` The options that are available depend on the type of directory service software that is installed on your system. You are given the appropriate options and defaults from the following list, depending on what is installed. Press RETURN to accept the default or enter the value for the type of Mail directory support that you want.

For	Option to Enter
No Mail directory support	0
The Message Router Directory Service as the Mail directory	M
The Digital X.500 Directory Service as the Mail directory	X

When you are installing with Digital X.500, it does not matter whether Digital X.500 is installed on the same node as ALL–IN–1 or on a remote node outside the cluster, providing that you have done all the necessary setup and configuration tasks as outlined in the *Overview and Planning Guide*.

If you have specified no Mail directory support, go to Step 28.

26	Specify if you want the Mail directory to be the primary directory. `Do you want the Mail Directory to be the primary directory [NO]?` Press RETURN to use the Mail directory as the secondary directory. For new installations go to Step 28.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

27	Installation with Message Router: Enter a password for the Mail Directory User Agent account and confirm it.
	The text that is displayed depends on whether you are using a remote Message Router, and whether that Message Router is in the same VMScluster. Read the informational messages carefully and follow the instructions.
	The password length must between 6 and 8 characters.
	`* Press RETURN to continue the installation:`
	`* Enter a password for the Message Router Directory user agent account:`
	`* Please confirm the password which you specified:`
	Press RETURN and then enter a password for the Mail Directory user agent account and confirm it.

28	Indicate if you want outgoing messages translated to ASCII.
	`* Do you want to translate all outgoing messages to ASCII [NO]?`
	Press RETURN if you do not want outgoing messages translated.
	Note
	If you are using a remote MAILbus 400 MTA on Digital UNIX, you must answer `Y` to this question if WPS–PLUS to ASCII converters are not installed on the MAILbus 400 MTA node and you want to exchange messages with non-ALL–IN–1 users.
	Enter `Y`, if you want outgoing messages translated. You are then asked if you want all attachments to be translated.
	`* Do you want to translate all message attachments [NO]?`
	Press RETURN if you do not want to translate all message attachments. If you enter `Y` to this question, all message attachments are translated to ASCII if the appropriate converters are installed on your ALL–IN–1 system.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action
29	System checking. The installation procedure checks mandatory and optional software prerequisites. You may be asked additional questions depending on the software and licences that are installed on your system. If the prerequisite software for CDA support is not installed, you are asked if you want to continue the installation without CDA support. If DEC Notes is not installed and your ALL–IN–1 license supports Group Conferencing, you are asked if you want to continue without Group Conferencing support.

30	Indicate if you want client applications to connect to ALL–IN–1 using TCP/IP network protocol.
	You are only asked the following question if DEC TCP/IP Services (UCX) or other TCP/IP network sofware that emulates UCX is installed on your system.
	`* Do you want to use TCP/IP [YES]?`
	Press RETURN if you want to use TCP/IP for client connections. If you do, you are asked the following questions if default service names for the AIDA Server and ALL–IN–1 File Cabinet Server are not registered in the Internet Services database.
	`* Enter a port number for the AIDA Server [7300]:`
	`* Enter a port number for the ALL-IN-1 File Cabinet Server [7373]:`
	Enter a different TCP/IP port number for each server. The port numbers can be in the range 1024 to 65535. You must use the default values if you are planning to use TeamLinks client software.
	The installation procedure checks that the UCX$IPC_SHR.EXE image is installed. If it is not, you must install it after the installation.

31	System checking. The installation procedure checks system parameters, quotas and identifiers. For new installations, the ALL–IN–1 identifiers are created. The identifiers already exist for upgrade installations. For ALL–IN–1 Version 3.2, the identifier OA$FS_ADMIN is required. If you do a new installation and this identifier already exists, you are asked to confirm whether you want to use the existing identifier. Follow the installation instructions. OA$FS_ADMIN is used for access control only.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action
32	Enter the language code. `* Enter language code for this installation (2 characters): US` Enter the two-letter language code for your language component. In this example, `US` is the ENGLISH language code. See the *ALL–IN–1 Installation: Language and Market Supplement* supplied with your kit.

33	Enter the dialect code.
	Your language kit may also contain one or more dialect components. Enter the dialect code that you want to use. If your language kit does not contain a dialect component, you are not asked this question.
	`%A1LUS-I-RELANK, Restoring the LANGUAGE kit savesets`
	`%VMSINSTAL-I-RESTORE, Restoring product save set B ...`
	`If you wish to install a dialectal variation of ENGLISH language, enter the code for the dialect component you wish to use. If you do not wish to install a dialectal variation of ENGLISH language, then accept the answer of NO_DIALECT.`
	`* Enter dialect code for this installation (5 characters) [NO_DIALECT]:`
	Press RETURN or enter the dialect code that you want to use. See the *ALL–IN–1 Installation: Language and Market Supplement*.
	The installation procedure continues with system checking.

For installation type	Go to
New	Step 34
Upgrade	Step 35

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

34	New Installation: Specify the devices for the ALL–IN–1 areas.
	`* Which device will hold the ALL-IN-1 shared library files:`
	`* Which device will hold the ALL-IN-1 shared data files [A1DISK1:]:`
	`* Which device will hold the ALL-IN-1 ENGLISH language files [A1DISK1:]:`
	`* Which device will hold the ALL-IN-1 mail area SDAF file [A1DISK1:]:`
	`* How many shared directories do you want to create [1]:`
	`* Which device will hold the ALL-IN-1 shared directory SHARE1 [A1DISK1:]:`
	`* Which device will hold the ALL-IN-1 lexicon files [A1DISK1:]:`
	For shared directories, Digital recommends that you select the default value at installation time and then create additional shared directories after the installation, following the instructions in the *ALL–IN–1 Management Guide*.
	If lexicon files have already been installed by another product, you are not asked the question about lexicon files.

35	Enter the market code. `* Enter market code for this installation (2 characters): US` Enter the two-letter market code for the installation. See the *ALL–IN–1 Installation: Language and Market Supplement*. **Installation type** → **Go to** New → 36 Upgrade → 43

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action

36	New Installation: Specify an OpenVMS account and password for the ALL–IN–1 manager. Confirm the password.
	
	`%A1CUS-I-RECOUK, Restoring the MARKET kit savesets`
	`%VMSINSTAL-I-RESTORE, Restoring product save set B ...`
	`%VMSINSTAL-I-RESTORE, Restoring product save set C ...`
	
	`This installation creates a VMS account for the ALL-IN-1 manager.`
	
	`* What VMS username do you want to use for ALL-IN-1 MANAGER account [ALLIN1]:`
	`* Enter a password for the ALL-IN-1 MANAGER account:`
	
	`* Please confirm the password which you specified:`

37	New Installation: Enter a system group UIC and default device and directory for the ALL–IN–1 manager. Do not create the ALL–IN–1 manager's account in a subdirectory of an OpenVMS system directory.
	
	`* What UIC do you want to use for ALL-IN-1 MANAGER account:`
	`* What default device do you want to use for the ALL-IN-1 MANAGER'S account [A1DISK1:]`
	`* What default directory do you want to use for ALL-IN-1 MANAGER'S account? [ALLIN1:]`

38	New Installation: Enter a UIC for the accounts used by the Transfer User utility. The UIC must not be a system group UIC.
	
	`* What UIC do you want to use for A1$XFER_IN account:`
	`* What UIC do you want to use for the A1$XFER_OUT account:`

39	New Installation: Enter a UIC for the account used by the Script Symbiont utility. The UIC must not be a system group UIC. `* What UIC do you want to use for ALL-IN-1 SCRIPT SYMBIONT account:`

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action
40	New Installation: Enter a UIC for the account used by the File Cabinet Server for authenticating remote clients into a non-privileged account. The UIC must not be a system group UIC. `* What UIC do you want to use for ALL-IN-1 OAFC$DEFAULT account:`
41	New Installation: Enter a UIC for the account used for running the ALL–IN–1 File Cabinet Server as a detached process. The UIC must not be a system group UIC. `* What UIC do you want to use for ALL-IN-1 OAFC$SERVER account:`

42	New Installation: Specify the top-level directories for the ALL–IN–1 areas.
	`* Enter ALL-IN-1 top-level directory required for the shared library files [ALLIN1]:`
	`* Enter ALL-IN-1 top-level directory required for the shared data files [ALLIN1]:`
	`* Enter ALL-IN-1 top-level directory required for all ENGLISH language files [ALLIN1]:`
	`* Enter ALL-IN-1 top-level directory required for the mail area SDAF file [ALLIN1]:`
	`* Enter the name required for the SHARED DIRECTORY on A1DISK1: [ALLIN1]:`
	Go to Step 45 to continue.

43	Upgrade Installation: Enter the OpenVMS username for the ALL–IN–1 manager's account. `* What is the existing VMS username for the ALL-IN-1 account [ALLIN1]:` Enter the OpenVMS username for the ALL–IN–1 account. The account details are displayed.
44	Upgrade Installation: Confirm that the details of the ALL–IN–1 manager's account are correct. `* Are all the specified account's characteristics correct [YES]?` Press RETURN if all the information is correct.

(continued on next page)

Table 2–2 (Cont.) Installation Procedure for New and Upgrade Installations

Step	Action
45	Run the IVP (Installation Verification Procedure). `* Do you want to run the IVP after the installation [YES]?` Press RETURN to run the IVP.

All the installation questions have now been completed.

If you are installing ALL–IN–1 Version 3.2 on a mixed-architecture VMScluster, see Section 2.2 for instructions on adding architecture support for a second architecture.

If you are not installing on a single-architecture VMScluster, go to Section 2.3.

2.2 Adding or Upgrading Architecture Support

Table 2–3 explains when you can do an installation to add or upgrade architecture support.

Table 2–3 When to Install/Upgrade VAX or Alpha Architecture Support

Install/Upgrade	When you have already done
VAX architecture support	A new or upgrade ALL–IN–1 Version 3.2 installation on an Alpha system in the same VMScluster
Alpha architecture support	A new or upgrade ALL–IN–1 Version 3.2 installation on a VAX system in the same VMScluster.

The questions that you are asked during the additional architecture installation depend on the responses that you gave during the new or upgrade installation. For example, if you did not install WPS–PLUS during the new or upgrade installation, you are not asked any additional questions about WPS–PLUS.

2.2.1 Before You Start

Before you start the installation, you must do the following:

1. If you are installing architecture support for the first time, make a note of the location of the ALL–IN–1 configuration file, OA$DATA_SHARE:A1CONFIG.DAT, on the system where you have already installed a new ALL–IN–1 Version 3.2 system or upgraded to an ALL–IN–1 Version 3.2 system. You will be asked for this information during the installation.
2. Run the script, OA$LIB:SM_CHECK_SYS$SYSDEVICE.SCP, to check for logicals containing SYS$SYSDEVICE.
3. From the ALL–IN–1 manager's account on the node where ALL–IN–1 is already installed, run the script, OA$LIB:SM_CHECK_SYS$SYSDEVICE.SCP:

   ```
   $ SET HOST 0/LOG=filename
   $ ALLIN1/NOINIT
   Enter CMD: DO OA$LIB:SM_CHECK_SYS$SYSDEVICE.SCP
   ```

   If references to SYS$DEVICE are found, a warning message is displayed. You must remove the references as they will refer to different devices on a VAX system and an Alpha system. If the references are not corrected, data may be lost on your system.

   The installation procedure also runs this script.

2.2.2 Installation Procedure for Adding Architecture Support

Table 2–4 shows an example script for an additional-architecture installation on a VAX system. The following information is used:

- ALL–IN–1 Version 3.2 is already installed on an Alpha system in the same VMScluster.
- WPS–PLUS is installed on the Alpha system.
- ALL–IN–1 has been configured as a multilanguage system on the Alpha system.
- Message Router is installed on this VAX system.

The example includes the script for both adding VAX support for the first time and upgrading existing VAX support. The installation questions and script are similar for the addition or upgrade of Alpha support.

Table 2–4 Installation Procedure for Adding Architecture Support

Step	Action
1 to 5	Follow Steps 1 to 5 in Table 2–2.

For Installation Type	Go to
Upgrade	Step 6
New	Step 7

6 Upgrade Installation: Enter the number for the type of installation you want to perform.

```
This is a LOCAL ALL-IN-1 V3.2 BASE kit

The current ALL-IN-1 image identification is ALL-IN-1 V3.2.

Using the FULL ALL-IN-1 V3.2 kit, the following installation types
can be performed:

  (1)  Add, upgrade, or update VAX components for an
       ALL-IN-1 V3.2 system
  (2)  Install new ALL-IN-1 V3.2 additional language
  (3)  Upgrade ALL-IN-1 V3.1 additional language
  (4)  Update ALL-IN-1 V3.2 additional language
  (5)  Add, upgrade, or update VAX components for an
           ALL-IN-1 V3.2 additional language
  (6)  Update ALL-IN-1 V3.2

  (RL) Register licenses for pre-requisite software

* Which installation do you wish to perform [1]:
```

Press RETURN to upgrade VAX components for an existing ALL–IN–1 Version 3.2 system that is already installed on an Alpha system in the same VMScluster.

To Continue: Go to Step 8.

(continued on next page)

Table 2–4 (Cont.) Installation Procedure for Adding Architecture Support

Step	Action

7	New Installation: Enter the number for the type of installation you want to perform.
	`This is a LOCAL ALL-IN-1 V3.2 BASE kit`
	`Logical OA$IMAGE is not defined.`
	`No ALL-IN-1 image can be found using the default specification.`
	`Using the FULL ALL-IN-1 V3.2 kit, the following installation types can be performed:`
	`(1) A new installation of ALL-IN-1 V3.2`
	`(2) Add, upgrade, or update VAX components for an ALL-IN-1 V3.2 system`
	`(RL) Register licenses for pre-requisite software`
	`* Which installation do you wish to perform [1]: 2`
	Enter 2 to add VAX architecture support.

8	Confirm that you want to start the installation.
	`The installation procedure allows you to perform the following actions:`
	`(I) Perform the installation`
	`(PC) Perform all pre-installation checks`
	`* Which action do you wish to perform [I]:`
	Press RETURN to start the installation.
	Upgrade Installation: Go to Step 10.

(continued on next page)

Table 2–4 (Cont.) Installation Procedure for Adding Architecture Support

Step	Action

9	New Installation: Supply the location of OA$DATA_SHARE:A1CONFIG.DAT, the ALL–IN–1 configuration file, for ALL–IN–1 Version 3.2 on the existing system.
	`You have chosen an architecture only installation. To continue you must specify the location of the existing ALL-IN-1 system's configuration file (A1CONFIG.DAT). The installation will read A1CONFIG.DAT to determine file target locations.`
	`* Please give the directory location of A1CONFIG.DAT: disk:[directory]`
	Enter the location of the ALL–IN–1 configuration file in the format, `disk:[directory]`. You must always use this format to specify the location of this file.
	The installation script uses the configuration file to define logicals.
	`%A1-I-DEFLOG, Running A1V32START.COM to define the logicals`
	`-A1-I-DEFLOG, for your existing ALL-IN-1 V3.2 VAX system.`
	`Defining language independent logical names`
	`Defining ENGLISH language logical names`
	Where possible, the VAX architecture-only installation matches the configuration of ALL–IN–1 that is already installed on the Alpha system. The informational messages that are displayed will depend on the existing configuration.

10	Confirm that a license PAK is registered and loaded. `* Does this product have an authorization key registered and loaded [YES]?` Press RETURN to continue. New Installation: Go to Step 12.
11	Upgrade Installation: Confirm that you want to purge files. `* Do you want to purge files replaced by this installation [YES]?` Press RETURN to continue.

(continued on next page)

Table 2–4 (Cont.) Installation Procedure for Adding Architecture Support

Step	Action
12	Indicate whether you want to integrate DATATRIEVE with ALL–IN–1. `DATATRIEVE can be integrated into ALL-IN-1. On VAX systems with Deferred image activation enabled the DATATRIEVE image will be deferred. If you use the standard DATATRIEVE image SYS$SHARE:DTRSHR.EXE then you can select to dynamically activate DATATRIEVE. You will still be able to use DATATRIEVE within ALL-IN-1, but you will avoid any performance impact of having it physically linked with the ALL-IN-1 image.`  `* Do you want to integrate DATATRIEVE with ALL-IN-1 [NO]?`  Press RETURN if you do not want to integrate DATATRIEVE.  Enter `Y` if you want to integrate DATATRIEVE. You are prompted to supply the name of the DATATRIEVE image that you want to link with. If you are using the standard DATATRIEVE image, SYS$SHARE:DTRSHR.EXE, you are asked if you want to dynamically activate DATATRIEVE during the ALL–IN–1 startup. It is recommended that you do.
13	System checking for existing ALL–IN–1 configuration. The informational message depends on your existing configuration, for example: `During your ALL-IN-1 installation on Alpha you chose to install ALL-IN-1 with WPS-PLUS, therefore WPS-PLUS will also be installed during this VAX architecture only installation.`

(continued on next page)

Table 2–4 (Cont.) Installation Procedure for Adding Architecture Support

Step	Action

14	Indicate whether you want to incorporate ACMS.
	If you wish to interface with ACMS, answer YES to the following questions.
	`If you wish to interface with ACMS, answer YES to the following questions.`
	`NOTE:`
	`o ACMS must be installed before ALL-IN-1.`
	`o If you answer YES and the relevant ACMS files are present then the interface to ACMS will be built. If the files are not present, then you may either continue the installation without linking with ACMS, or abort the installation to correct the problem.`
	`* Do you want to integrate ACMS with ALL-IN-1 [NO]?`
	Press RETURN if you do not want to integrate ACMS.

15	System checking for existing ALL–IN–1 configuration. The informational message depends on your existing configuration, for example: `ALL-IN-1 on the Alpha is linked as a MULTI-LANGUAGE system, therefore ALL-IN-1 on this VAX will also be linked as a MULTI-LANGUAGE system.`
16	Specify the greatest number of simultaneous ALL–IN–1 users. `* What will be the greatest number of simultaneous ALL-IN-1 users:` Upgrade Installation: A default value is given. Press RETURN to accept this default value. New Installation: Specify the maximum number of ALL–IN–1 users that you expect at any one time. The installation procedure uses this entry to check that system parameters are large enough to support your intended number of users.

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Table 2–4 (Cont.) Installation Procedure for Adding Architecture Support

Step	Action

17	Message Router checks for upgrade installations.
	This part of the installation procedure is determined by the answers that you gave during the installation on the other system. In this example script, the Alpha system was configured to use a remote Message Router on this VAX node. The level of Mail directory support set up for the Alpha system is also used.
	`%A1-I-MDCHK, Performing Mail and Directory checks...`
	`%A1-I-REMMR, Your ALL-IN-1 system running on the Alpha is configured`
	`-A1-I-REMMR, to use a Remote Message Router on this node`
	`%A1-I-LOCMR, Therefore this VAX ALL-IN-1 system will be configured`
	`-A1-I-LOCMR, to use a local Message Router`
	`%A1-I-DIROPP, Your Alpha ALL-IN-1 system is configured to use a`
	`-A1-I-DIROPP, Mail Directory Service. This VAX architecture only`
	`-A1-I-DIROPP, installation will use the same Message Router Directory Service.`
	`%A1-I-UPDATEDDS, As this is an update you will not be asked for a`
	`-A1-I-UPDATEDDS, Message Router Directory password`
	.
	.
	.
	The installation procedure also checks for CDA support software. If it is not found, you are asked if you want to continue without CDA support or whether you want to install the appropriate software. Following the instruction in the installation script.
	Software support for Group Conferencing is also checked. If the appropriate version of DEC Notes is not installed, you are given instructions on what to do.

(continued on next page)

Table 2–4 (Cont.) Installation Procedure for Adding Architecture Support

Step	Action

18	Indicate if you want client applications to connect to ALL–IN–1 using TCP/IP network protocol.
	You are only asked the following question if DEC TCP/IP Services (UCX) or other TCP/IP network sofware that emulates UCX is installed on your system.
	`* Do you want to use TCP/IP [YES]?`
	Press RETURN if you want to use TCP/IP for client connections. If you do, you are asked the following questions if default service names for the AIDA Server and ALL–IN–1 File Cabinet Server are not registered in the Internet Services database.
	`* Enter a port number for the AIDA Server [7300]:`
	`* Enter a port number for the ALL-IN-1 File Cabinet Server [7373]:`
	Enter a different TCP/IP port number for each server. The port numbers can be in the range 1024 to 65535. You must use the default values if you plan to use the TeamLinks client software. The installation procedure checks that the UCX$IPC_SHR.EXE image is installed. If it is not, you must install it after the installation.

19	System checking. The installation procedure checks system parameters, quotas and identifiers.
20	Enter the language code. `* Enter language code for this installation (2 characters): US` Enter the two-letter language code for your language component. See the *ALL–IN–1 Installation: Language and Market Supplement* supplied with your kit.

(continued on next page)

Table 2–4 (Cont.) Installation Procedure for Adding Architecture Support

Step	Action

21	Enter the dialect code.
	Your language kit may also contain one or more dialect components. Enter the dialect code that you want to use.
	`%A1LUS-I-RELANK, Restoring the LANGUAGE kit savesets`
	`%VMSINSTAL-I-RESTORE, Restoring product save set B ...`
	`If you wish to install a dialectal variation of ENGLISH language, enter the code for the dialect component you wish to use. If you do not wish to install a dialectal variation of ENGLISH language, then accept the answer of NO_DIALECT.`
	`* Enter dialect code for this installation (5 characters) [NO_DIALECT]:`

22	Enter the market code. `* Enter market code for this installation (2 characters): US` Enter the two-letter market code for the installation. See the *ALL–IN–1 Installation: Language and Market Supplement*.
23	Enter the name of the OpenVMS account for the ALL–IN–1 manager. `* What is the existing VMS username for the ALL-IN-1 account [ALLIN1]:` The account details are displayed.
24	Confirm that the details of the account are correct. `* Are all the specified account's characteristics correct [YES]?` Press RETURN if the details are correct.
25	Run the IVP (Installation Verification Procedure). `* Do you want to run the IVP after the installation [YES]?` Press RETURN to run the IVP.

All the installation questions have now been completed.

2.3 Automatic Postinstallation Tasks

The installation procedure performs automatic postinstallation tasks, for example, converting data files.

If a problem occurs during the postinstallation phase, see Chapter 4.

The following tasks are done automatically:

- Deassigns old ALL–IN–1 logicals and logicals created during the installation
- Runs the ALL–IN–1 startup procedure, A1V32START.COM
- Compiles, installs and sets protections on the following form libraries and their site versions:
  - OAFORM
  - MEMRES
  - OAN$FORMS
- Installs message symbol files
- Compiles TXLs
- For upgrade installations, the following data files are upgraded:
  - A1CONFIG.DAT
  - PROFILE.DAT
  - SM_ACCOUNT_TYPES.DAT
  - SM_POLICIES.DAT
  - FORMAT.DAT

2.4 Manual Postinstallation Tasks

There are some manual tasks that you must complete after the installation. See Chapter 5.

3

Installation Procedure: Additional Languages

This chapter describes the installation of an additional language on an ALL–IN–1 Version 3.2 system that is configured as a multilanguage system.

Before You Start

Do not start the installation until you have completed the system preparation tasks in Chapter 1.

During the installation procedure a number of cautions and general informational messages are displayed. Read all the displayed messages carefully.

Each question in the installation is marked with an asterisk (*) at the beginning of the line. If you are unsure how to answer a question enter a question mark (?) for Help.

Note

If the installation fails, you must restart the installation from the beginning. To stop the installation at any point, press CTRL/Y.

If you are installing a new additional language or upgrading an existing additional language, see Section 3.1.

If you are installing or upgrading architecture support for an additional language, see Section 3.2.

3.1 Installation Procedure for Additional Language Installations

Follow the steps in Table 3–1 to install a new additional language or upgrade an existing additional language.

There are minor differences in the display depending on whether the installation is being run on a VAX or Alpha system.

The example script shows the addition of BRITISH as an additional language on an ALL–IN–1 Version 3.2 Alpha system that is configured as a multilanguage system.

Depending on your distribution media, you may be prompted to change the tape or cartridge during the installation.

Installation Procedure: Additional Languages
3.1 Installation Procedure for Additional Language Installations

Table 3–1 Installation Procedure for An Additional Language

Step	Action
1	Create a log file for the installation. Digital recommends that you keep a record of the installation in case of problems. You can keep a log by using either a hard copy terminal or a log file. To keep a record in a log file, enter: `$  SET HOST 0/LOG=filename` where `filename` is the name of the log file. The log file is created in the directory where you enter the command. If you do not specify a filename, the file is called SETHOST.LOG. The installation log file will be about 200 blocks. If you are running console management software, you can use this to record the installation. See your console management documentation for further information.
2	Load and mount the media that contains the language software kit.

3	Invoke the VMSINSTAL procedure from the SYSTEM account.
	Enter the following commands:
	`$ SET DEFAULT SYS$UPDATE`
	`$ @VMSINSTAL A1LUS032 device`
	To use an alternate working device (AWD), enter the following command lines:
	`$ SET DEFAULT SYS$UPDATE`
	`$ @VMSINSTAL A1LUS032 device OPTIONS AWD=disk`
	`device` is the device on which you have mounted the distribution media. You can use a physical or a logical device name but do not use logical device names beginning with A1$, OA$, or OA1$. `A1LUS032` is the product identifier and `disk` is the location of the alternate working device.

4	Verify your system backup.
	`OpenVMS Alpha Software Product Installation Procedure V6.1`
	`It is 14-FEB-1996 at 21:27.`
	`Enter a question mark (?) at any time for help.`
	`* Are you satisfied with the backup of your system disk [YES]?`
	Press RETURN to continue.
	(continued on next page)

Table 3–1 (Cont.) Installation Procedure for An Additional Language

Step	Action

5	Load the distribution media.
	Enter the product identifier, A1LUS032, at the prompt and then enter Y to confirm that the media is correctly mounted and you are ready to start.
	`Enter the products to be processed from the first distribution volume set:`
	`* Products: A1LUS032`
	`* Enter installation options you wish to use (none):`
	`Please mount the first volume of the set on device`
	`* Are you ready? Y`

6	Enter the number for the type of installation you want to do.
	`This is a LOCAL ALL-IN-1 V3.2 LANGUAGE kit`
	`The current ALL-IN-1 image identification is ALL-IN-1 V3.2.`
	`Using the LANGUAGE-only ALL-IN-1 V3.2 kit, the following installation types can be performed:`
	`(1) Install new ALL-IN-1 V3.2 additional language`
	`(2) Upgrade ALL-IN-1 V3.1 additional language`
	`(3) Update ALL-IN-1 V3.2 additional language`
	`(4) Add, Upgrade or Update Alpha architecture specific components of an existing ALL-IN-1 V3.2 additional language`
	`(RL) Register licenses for pre-requisite software`
	`* Which installation do you wish to perform [1]: 1`
	Enter 1 to install a new additional ALL–IN–1 Version 3.2 language.

7	Confirm that you want to start the installation.
	`The installation procedure allows you to perform the following actions:`
	`(I) Perform the installation`
	`(PC) Perform all pre-installation checks`
	`* Which action do you wish to perform [I]:`
	Press RETURN to start the installation.

(continued on next page)

Table 3–1 (Cont.) Installation Procedure for An Additional Language

Step	Action

8	Supply information about optional software as appropriate.
	`During your first language installation you chose to install ALL-IN-1 without DATATRIEVE, therefore this tool will NOT be available from your ALL-IN-1 additional language.`
	`During your first language installation you chose to integrate WPS-PLUS, therefore you be be able to use WPS-PLUS as an additional editor from your ALL-IN-1 additional language.`
	`This kit contains a library of Encapsulated PostScript(R) graphics and PostScript(R) Page Overlay samples specific to the language component.`
	`* Do you want these graphics copied to the ALL-IN-1 library directory [NO]?`
	Enter `Y` to copy the WPS–PLUS graphics library to the ALL–IN–1 directory.

9	Configuration Checking. The message that you see depends on your primary language configuration, for example: `During your first language installation you chose to install ALL-IN-1 without ACMS, therefore this tool will NOT be available from your ALL-IN-1 additional language.`

(continued on next page)

Table 3–1 (Cont.) Installation Procedure for An Additional Language

Step	Action
10	Select a default date format.

```
ALL-IN-1 allows you to select a default date format for each language
you have installed. This will become the default ALL-IN-1 date format
for each user (on a per language basis.) This may be changed by each
user through the Set Working Conditions option on the User Setup Menu.

    Alphanumeric Date    Numeric Date

    1   DD-MMM-YYYY      MM/DD/YY      (Standard Default)
    2   DD-MMM-YYYY      DD/MM/YY
    3   DD-MMM-YYYY      YY/MM/DD
    4   YYYY-MMM-DD      MM/DD/YY
    5   YYYY-MMM-DD      DD/MM/YY
    6   YYYY-MMM-DD      YY/MM/DD
    7   ***** Reserved (Means system default) *****
    8   DD-MM-YYYY       DD/MM/YY      (Numeric format)
    9   MM-DD-YYYY       MM/DD/YY      (Numeric format)

* Which date format do you require [1]:
```

Press RETURN to use the default format or enter the number for the date format that you want to use.

See the *ALL–IN–1 Installation: Language and Market Supplement* for more details about date formats.

The installation procedure now does system checks.

11 Enter the language code.

```
* Enter language code for this installation (2 characters): US
```

Enter the two-letter language code for your language component. See the *ALL–IN–1 Installation: Language and Market Supplement* supplied with your kit.

(continued on next page)

Table 3–1 (Cont.) Installation Procedure for An Additional Language

Step	Action

12	Enter the dialect code.
	`%A1LUS-I-RELANK, Restoring the LANGUAGE kit savesets`
	`%VMSINSTAL-I-RESTORE, Restoring product save set B ...`
	`If you wish to install a dialectal variation of ENGLISH language, enter the code for the dialect component you wish to use. If you do not wish to install a dialectal variation of ENGLISH language, then accept the answer of NO_DIALECT.`
	`* Enter dialect code for this installation (5 characters) [NO_DIALECT]: US_GB`
	Enter the dialect code that you want to use. In this example, US_GB is the BRITISH dialect component. See the *ALL–IN–1 Installation: Language and Market Supplement*.

13	Confirm that the License PAK is registered and loaded. `* Does this product have an authorization key registered and loaded [YES]?` Press RETURN to continue.
14	Specify the device for the additional language files. `* Which device will hold the ALL-IN-1 BRITISH language files:` Enter the device name.
15	Enter the OpenVMS username for the ALL–IN–1 manager's account. `* What is the existing VMS username for the ALL-IN-1 account [ALLIN1]:` The details of the account are displayed.
16	Confirm that the account details are correct. `* Are all the specified account's characteristics correct [YES]?` Press RETURN to confirm that the account details are correct.

(continued on next page)

Table 3–1 (Cont.) Installation Procedure for An Additional Language

Step	Action
17	Specify the top-level directory for the ALL–IN–1 additional language files. `* Enter ALL-IN-1 top-level directory required for all BRITISH language files [BRITISH]:`
18	Run the IVP (Installation Verification Procedure). `* Do you want to run the IVP after the installation [YES]?` Press RETURN to run the IVP.

All the installation questions have now been completed.

The installation procedure does automatic postinstallation tasks. If a problem occurs during the postinstallation phase, see Chapter 4. For manual postinstallation tasks, see Chapter 5.

If you are installing on a VMScluster and want to add additional architecture support for the additional language that you have installed, see Section 3.2.

3.2 Installing Architecture Support for an Additional Language

Before you start the installation, you must do the following:

- Make a note of the location of the ALL–IN–1 configuration file, OA$DATA_SHARE:A1CONFIG.DAT, on the VAX system. You will be asked for this information during the installation.
- Run the script, OA$LIB:SM_CHECK_SYS$SYSDEVICE.SCP, to check for logicals containing SYS$SYSDEVICE.

From the ALL–IN–1 manager's account on the node where you have already installed ALL–IN–1, run the script, OA$LIB:SM_CHECK_SYS$SYSDEVICE.SCP:

```
$ SET HOST 0/LOG=filename
$ ALLIN1/NOINIT
Enter CMD: DO OA$LIB:SM_CHECK_SYS$SYSDEVICE.SCP
```

If references to SYS$DEVICE are found, a warning message is displayed. You must remove the references as they will refer to different devices on a VAX system and an Alpha system. If the references are not corrected, data may be lost on your system.

Installation Procedure: Additional Languages
3.2 Installing Architecture Support for an Additional Language

Follow the steps in Table 3–2 to add architecture support for an additional language that you have already installed on a different architecture in the same VMScluster. The example script shows the addition of VAX architecture support for ALL–IN–1 BRITISH as an additional language. BRITISH is already installed as an additional language on an Alpha system in the same VMScluster.

Table 3–2 Installation Procedure for Addition of Architecture Support for an Additional Language

Step	Action
1 to 5	Follow Steps 1 to 5 in Table 3–1.

6	Enter the number for the type of installation you want to do.
	`Using the LANGUAGE-only ALL-IN-1 V3.2 kit, the following installation types can be performed:`
	`(1) Install new ALL-IN-1 V3.2 additional language`
	`(2) Upgrade ALL-IN-1 V3.1 additional language`
	`(3) Update ALL-IN-1 V3.2 additional language`
	`(4) Add, upgrade, or update VAX components for an ALL-IN-1 V3.2 additional language`
	`(RL) Register licenses for pre-requisite software`
	`* Which installation do you wish to perform [1]: 4`
	Enter `4` to add VAX architecture support for an existing ALL–IN–1 Version 3.2 additional language.

7	Confirm that you want to start the installation.
	`The installation procedure allows you to perform the following actions:`
	`(I) Perform the installation`
	`(PC) Perform all pre-installation checks`
	`* Which action do you wish to perform [I]:`
	Press RETURN to start the installation.

(continued on next page)

Table 3–2 (Cont.) Installation Procedure for Addition of Architecture Support for an Additional Language

Step	Action

8	Enter the location of OA$DATA_SHARE:A1CONFIG.DAT, the ALL–IN–1 configuration file, for the existing ALL–IN–1 Version 3.2 system.
	
	`You have chosen an architecture only installation. To continue you must specify the location of the existing ALL-IN-1 system's configuration file (A1CONFIG.DAT). The installation will read A1CONFIG.DAT to determine file target locations.`
	
	`* Please give the directory location of A1CONFIG.DAT [OA$DATA_SHARE]:`
	
	Enter the location of A1CONFIG.DAT in the format `disk:[directory]`. You must always specify the location of the configuration file in this format.
	
	`%A1LUS-I-DEFLOG, Running A1V32START.COM to define the logicals`
	`-A1LUS-I-DEFLOG, for your existing ALL-IN-1 V3.2 Alpha system.`
	`.`
	`.`
	`.`

9	Indicate whether you want to purge files. `* Do you want to purge files replaced by this installation [YES]?` Press RETURN to purge files.

(continued on next page)

Table 3–2 (Cont.) Installation Procedure for Addition of Architecture Support for an Additional Language

Step	Action
10	Configuration checking. You may be asked questions depending on the configuration of ALL–IN–1 on the Alpha system. `This VAX architecture only installation will where possible match the configuration of ALL-IN-1 already installed on the Alpha system. During your first language installation you chose to install ALL-IN-1 without DATATRIEVE, therefore this tool will NOT be available from your ALL-IN-1 additional language.` `During your ALL-IN-1 installation on Alpha you chose to install ALL-IN-1 with WPS-PLUS, therefore WPS-PLUS will also be installed during this VAX architecture only installation.` `During your first language installation you chose to install ALL-IN-1 without ACMS, therefore this tool will NOT be available from your ALL-IN-1 additional language.`

11	Select a default date format.
	`ALL-IN-1 allows you to select a default date format for each language you have installed. This will become the default ALL-IN-1 date format for each user (on a per language basis.) This may be changed by each user through the Set Working Conditions option on the User Setup Menu.`
	`Alphanumeric Date Numeric Date`
	`1 DD-MMM-YYYY MM/DD/YY (Standard Default)`
	`2 DD-MMM-YYYY DD/MM/YY`
	`3 DD-MMM-YYYY YY/MM/DD`
	`4 YYYY-MMM-DD MM/DD/YY`
	`5 YYYY-MMM-DD DD/MM/YY`
	`6 YYYY-MMM-DD YY/MM/DD`
	`7 ***** Reserved (Means system default) *****`
	`8 DD-MM-YYYY DD/MM/YY (Numeric format)`
	`9 MM-DD-YYYY MM/DD/YY (Numeric format)`
	`* Which date format do you require [1]:`

(continued on next page)

Table 3–2 (Cont.) Installation Procedure for Addition of Architecture Support for an Additional Language

Step	Action
12	Enter the language code. `* Enter language code for this installation (2 characters): US` Enter the 2-letter language code for your additional language. See the *ALL–IN–1 Installation: Language and Market Supplement*.

13	Enter the dialect code.
	`%A1LUS-I-RELANK, Restoring the LANGUAGE kit savesets`
	`%VMSINSTAL-I-RESTORE, Restoring product save set B ...`
	`If you wish to install a dialectal variation of ENGLISH language, enter the code for the dialect component you wish to use. If you do not wish to install a dialectal variation of ENGLISH language, then accept the answer of NO_DIALECT.`
	`* Enter dialect code for this installation (5 characters) [NO_DIALECT]: US_GB`
	In this example, US_GB is the BRITISH dialect code.

14	Confirm that the License PAK is registered and loaded. `* Does this product have an authorization key registered and loaded [YES]?` Press RETURN to continue.
15	Enter the name of the OpenVMS username of the ALL–IN–1 manager's account. `* What is the existing VMS username for the ALL-IN-1 account [ALLIN1]:` The account details are displayed.
16	Confirm that the account details are correct. `* Are all the specified account's characteristics correct [YES]?` Press RETURN if the account information is correct.

(continued on next page)

Table 3–2 (Cont.) Installation Procedure for Addition of Architecture Support for an Additional Language

Step	Action
17	Run the IVP (Installation Verification Procedure). `* Do you want to run the IVP after the installation [YES]?` Press RETURN to run the IVP.

All the installation questions have now been completed.

The installation procedure will do postinstallation tasks. For manual postinstallation tasks, see Chapter 5.

4
Installation Errors and Failure

This chapter deals with various error messages you may see while installing ALL–IN–1 Version 3.2 or while the Installation Verification Procedures (IVPs) are running, and explains what to do if the installation or the IVPs fail.

While the installation is running it displays various informational messages. It may also display warning or error messages. Read all the messages displayed, and take whatever action they advise.

4.1 Common Error Message That Does Not Require Action

The following error message may be ignored if it is displayed during the installation:

```
%DELETE-W-SEARCHFAIL
```

This error occurs randomly. A file is always specified in the error message, but the file has been correctly provided.

4.2 Common Errors Which Require Action

Errors can occur during the installation if any of the following conditions exist:

- There is a problem with the operating system.
- There is a problem with prerequisite software.
- Quotas necessary for successful installation are insufficient.
- System parameter values for successful installation are insufficient.
- The OpenVMS help library is currently in use.
- SYS$LIBRARY:IMAGELIB.OLB and SYS$LIBRARY:STARLET.OLB are not present. These files are removed if you tailor OpenVMS.

For descriptions of the error messages generated by these conditions, see the OpenVMS books on system messages, recovery procedures, and OpenVMS software installation. If you are notified that any of these conditions exist, you should take the appropriate action as described in the message.

4.3 Failure During Postinstallation

Note

When the installation procedure reaches the postinstallation phase, the main installation has completed. If the postinstallation tasks fail, a message is displayed indicating that the installation has failed and that you need to reinstall ALL–IN–1. It is not necessary to do this; you need only rerun A1$POSTINSTALL.COM as described in this section.

You must rerun A1$POSTINSTALL.COM on the node on which you originally ran the installation.

The procedure used to execute the automatic postinstallation tasks is written during the installation. Its content depends on the installation type, and conditions specific to your system. The command file is called A1$POSTINSTALL.COM, and it is provided to OA$LIB_language.

If any postinstallation tasks fail, messages to aid investigation are displayed. If the installation has failed during the postinstallation phase, you can do one of the following:

- Rerun A1$POSTINSTALL.COM on the node on which you orginally ran the installation.
- Edit A1$POSTINSTALL.COM to create your own command procedure using only the commands for the tasks that have failed.

When the installation has completed, there are still some manual postinstallation tasks to be performed. See Chapter 5.

After the automatic postinstallation tasks have completed, the installation procedure displays:

```
Installation of A1 V3.2 completed at <hh:mm>
```

Enter EXIT, or press CTRL/Z to exit from VMSINSTAL.

Note that the installation procedure 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, you must log out and log in again.

4.4 Installation Failure

If the installation fails before the postinstallation phase, the following message is displayed:

```
%VMSINSTAL-E-INSFAIL, The installation of ALL-IN-1 V3.2 has failed.
```

Note

If the installation fails, you must restart the installation from the beginning.

4.4.1 Failure of Upgrade Installations in Safety Mode

If your installation is being performed in Safety mode, you need take no further action if the failure happens before the message:

```
Files will now be moved to target directories
```

If the installation fails after this message, restore your original system from a backup. You can then go back to using the original system, or you can start the installation again.

4.4.2 Failure of Upgrade Installations in Non-Safety Mode

If your installation is being performed in non-safety mode, restore your original system from a backup. You can then go back to using the original system, or you can start the installation again.

4.4.3 Full Installations

If a full installation fails, delete all accounts, identifiers and directories that have been created, and start the installation again.

4.4.4 Failure Due to Insufficient Dynamic Memory

An installation on an Alpha system may fail with the following error message:

```
%SYSTEM-F-INSFMEM, insufficient dynamic memory
```

If this error occurs, you must check that the value for CTLPAGES is high enough. If you used the default value of 100, you must increase it to 200 and restart the installation. See Section 1.7.2.

4.5 Error Messages when Running the IVP

The following informational and error messages are displayed when the IVP is run:

```
%OA-I-LNF, Error opening form library "THIS_IS_A_TEST"
-RMS-E-FNF, file not found

%OA-W-INVGET, Symbol "THIS_IS_A_TEST" not found

%OA-E-BADLIB, Error occurred while precompiling THIS_IS_A.TEST
form library
```

You can ignore these messages as they are part of tests that are performed by the IVP.

If any other error messages occur during the IVP, do the following:

1. Check the log of the installation for any errors that may have occurred during installation.
2. Check the file ALLIN1_IVP.LOG. This file does not contain the results of the IVP, but the results of invoking ALL–IN–1 when running the IVP. This file is in the directory where you run the installation.
3. Check for any errors in the following procedures.
   - During the execution of the startup file, SYS$STARTUP:A1V32START.COM:

     Creating logical names
   - Automatic postinstallation procedures

     Installing image files
     Compiling and installing form libraries
4. Make sure that the ALL–IN–1 TXL is compiled and installed successfully, and recompile it if you received any error messages when the postinstallation command file was run.
5. Check that you have not run out of quota on the disk(s) containing the OA$SHAREnnnn directories (refer to the manual describing OpenVMS utilities).
6. Check that the details for the IVP account are completed correctly, as follows:
   - All the ALL–IN–1 privileges are set to YES.

- The IVP user directory points to the disk and subdirectory that you specified for the ALL–IN–1 manager's account. For example:

  ```
  a1device:[ALLIN1.IVPUSER]
  ```

  where `a1device` is the device that you specified during the installation.

- The ALL–IN–1 account, IVP, is accessed from the ALL–IN–1 manager's OpenVMS account.

7. Run ALL–IN–1 and try to use those areas that failed during the IVP to find more information on the error.

   Log in to the ALL–IN–1 manager's IVP account:

   ```
   $ ALLIN1 /USERNAME=IVP
   ```

   Manually execute each IVP test as described in the *ALL–IN–1 Management Guide*.

   Note

   The IVP runs in the language context of the current optional language being installed and also tests the international base system.

   Most IVPs are designed to exercise and test ALL–IN–1 at a level which is normally customization-independent. However, if you have customized the Phone Directory subsystem of ALL–IN–1, the display graphics (IDG) procedure may fail. This is a demonstration test used to exercise the terminal graphics as a typical application.

4.6 IVP Failure

If the IVP fails, the following messages are displayed:

```
The A1 V3.2 Installation Verification Procedure failed.
%VMSINSTAL-E-IVPFAIL, The IVP for A1 V3.2 has failed.
```

5
Postinstallation Tasks

This chapter describes the tasks that you must do to complete the setup of ALL–IN–1. Some of these tasks are optional, or only apply to particular types of systems, or configurations.

There are a number of additional setup tasks that the ALL–IN–1 manager must do to set up the users' working environment before ALL–IN–1 is used. These tasks are explained in detail in the *ALL–IN–1 Management Guide*.

You must run postinstallation from the node on which you are running ALL–IN–1.

5.1 Checklist of Manual Postinstallation Tasks

Table 5–1 lists the manual postinstallation tasks.

Table 5–1 Postinstallation Tasks

Task	Type of Installation	Information
Start ALL–IN–1 on all nodes in a VMScluster system	Full, upgrade or additional architecture	See Section 5.2
Create or modify the ALL–IN–1 site-specific startup procedure	Full or upgrade	Section 5.3
Modify the OpenVMS site-specific startup procedure	Full, upgrade or additional architecture	Section 5.4

(continued on next page)

5.1 Checklist of Manual Postinstallation Tasks

Table 5–1 (Cont.) Postinstallation Tasks

Task	Type of Installation	Information
Replace the DCLTABLES on VMScluster systems	Full, upgrade or additional architecture	Section 5.5
Delete files that are no longer required	Upgrade or additional language	Section 5.6
Install any missing images	Full, upgrade or additional architecture	Section 5.7
Recompile form libraries, including application or site-specific form libraries	Upgrade	See Section 5.8. This section also lists form libraries that are compiled automatically after the installation.
Migrate your customizations: • Run the CART resolution procedure • Restore customizations to modified data files • Replace customized help files • Delete obsolete files	Upgrade of a customized system	Section 5.10
Migrate SITELINK31 using Customization Management	Upgrade, additional language and architecture support	Section 5.9

(continued on next page)

5.1 Checklist of Manual Postinstallation Tasks

Table 5–1 (Cont.) Postinstallation Tasks

Task	Type of Installation	Information
Link ALL–IN–1 to include code-level customizations	Upgrades of code-level customized systems and additional architecture if also installed	Section 5.11
Check entries in the file, RIGHTSLIST.DAT	Upgrade	Section 5.12
Set up remote mail	Full or upgrade Note that local mail is already set up after the installation.	For new installations with the MAILbus 400 MTA and Digital X.500, see Section 5.13. For upgrade or new installations with Message Router, see Section 5.14.
Convert WPS–PLUS for VMS files	Migrating users from WPS–PLUS for VMS to ALL–IN–1	Section 5.15
Add WPS–PLUS login command procedure to the system login command procedure	Full or upgrade installations if you are using WPS–PLUS as the default editor	Section 5.16.
Install the File Cabinet Server distributed license, if required.	Full or upgrade	Section 5.17
Move the CDA DOC_STYLE files to a suitable location, if necessary	If CDA$LIBRARY does not exist on your system	Section 5.18

(continued on next page)

5.1 Checklist of Manual Postinstallation Tasks

Table 5–1 (Cont.) Postinstallation Tasks

Task	Type of Installation	Information
Update the Facility Definition for DECtrace	If DECtrace is already installed and you want to use it	Section 5.19
Set up the user environment	Full or upgrade	*ALL–IN–1 Management Guide*
Tune the File Cabinet Servers	Full or upgrade	*ALL–IN–1 Managing Servers*
Decide how many mail Sender and Fetcher processes to run	Full or upgrade	*ALL–IN–1 Mail Management Guide*

5.2 Start ALL–IN–1 on all Nodes in a VMScluster System

The ALL–IN–1 startup procedure, SYS$STARTUP:A1V32START.COM, is supplied with ALL–IN–1 and is executed automatically on the node used for the installation, once the installation has completed successfully.

If you are running ALL–IN–1 on a VMScluster you must also run SYS$STARTUP:A1V32START.COM on each node in the cluster in order to start ALL–IN–1. If you run A1V32START.COM manually from the DCL prompt, you must include the location of the ALL–IN–1 configuration file, OA$DATA_SHARE:A1CONFIG.DAT. OpenVMS prompts you for the location of this file if you do not specify it on the command line.

If you are creating new shared directories from within ALL–IN–1, you must define new system logical names on each node in the cluster. For further information about running ALL–IN–1 on a VMScluster, see Chapter 5 in the *ALL–IN–1 Management Guide*.

5.3 Create or Modify the Site-specific ALL–IN–1 Startup Procedure

To modify the ALL–IN–1 startup command procedure, you must create a site-specific command procedure. The site-specific startup command procedure will be automatically executed by the ALL–IN–1 startup command procedure when it is executed.

You can create the following types of site-specific command procedures:

- A language-independent startup command procedure called A1V32_SITE_START.COM. Create this startup procedure in OA$SITE_BUILD_SHARE_IND.
- A language-specific startup command procedure, OA$SITE_language_ START.COM, for each language installed in a multilanguage ALL–IN–1 system. Create this startup procedure in OA$SITE_BUILD_LLV_IND.

  `device:[directory.SITE.SOURCES_language])`

  where: `device` is the device containing the language files, and `directory` is the name of the top-level directory of your ALL–IN–1 Version 3.2 system.

  You can specify the directory for your default language by using the logical name OA$SITE_BUILD_LLV_IND.

If you are upgrading and you have a site-specific startup command procedure that you want to keep, rename it from A1V31_SITE_START.COM to A1V32_SITE_START.COM.

Check that the contents of the command file are still valid and required for ALL–IN–1 Version 3.2. Note the following changes:

- The OA$MTI_AREA logical is now defined in A1CONFIG
- The OA$A1_CLUSTER_NODE is now defined in A1CONFIG

5.4 Edit the Site-specific Startup Procedure

When you run A1V32START.COM from the DCL prompt, you must include the location of the ALL–IN–1 configuration file, OA$DATA_ SHARE:A1CONFIG.DAT. OpenVMS prompts you for the location of this file if you do not specify it on the command line. When you include the ALL–IN–1 startup procedure in the OpenVMS site startup procedure, you must specify the location of the A1CONFIG.DAT file:

```
$ @SYS$STARTUP:A1V32START.COM location
```

5.4 Edit the Site-specific Startup Procedure

where `location` is the location of A1CONFIG.DAT, which is specified as:

`device:[directory.DATA_SHARE]`

`device` is the device that you specified for the ALL–IN–1 data files and `directory` is the top-level directory that you specified for the ALL–IN–1 data files.

To find the location of OA$DATA_SHARE:A1CONFIG.DAT, refer to your installation log.

Note

However you choose to set up your site-specific startup procedures, you must ensure that all the ALL–IN–1 prerequisite products are started before ALL–IN–1. This includes messaging software, DEC Notes, and DECwindows/Motif if you are using CDA converters with ALL–IN–1.

5.4.1 Installations With Digital X.500 and the MAILbus 400 MTA

If you have installed a new ALL–IN–1 system with Digital X.500 and the MAILbus 400 MTA, you must ensure that the prerequisite messaging products are started before ALL–IN–1. Make sure that the following 3 files are executed in the following order:

1. SYS$STARTUP:OSAK$START.COM
2. SYS$STARTUP:DXD$COMMON_STARTUP.COM
3. SYS$STARTUP:MTA$COMMON_STARTUP.COM

5.4.2 Installations with Message Router

For ALL–IN–1 systems using Message Router, you must ensure that the Message Router software is started before ALL–IN–1.

As an example, Table 5–2 describes how to edit the OpenVMS site-specific startup file to include the ALL–IN–1 startup procedure after an upgrade installation from ALL–IN–1 Version 3.1. This ensures that the ALL–IN–1 environment is reestablished following a system reboot.

Table 5–2 Editing the OpenVMS Site-specific Startup File

Installation Type	Do the Following
Full and addition of second architecture (unless you are using common startup files)	To edit the file: 1. Find the lines: `$ @SYS$MANAGER:STARTNET.COM and` `$ @SYS$MANAGER:MB$CONTROL START=(DDS,TS,...,ER)`[1] 2. After these lines, add the following line: `$ @SYS$STARTUP:A1V32START.COM location`[2]
Upgrade from ALL–IN–1 Version 3.1 and addition of second architecture (unless you are using common startup files)	Change the line `$ @SYS$STARTUP:A1V31START.COM location`[2] to `$ @SYS$STARTUP:A1V32START.COM location`[2]
If you are running a remote Message Router and using the Message Router Directory Service	Add the following entry *before* the entry for the ALL–IN–1 startup procedure: `$ @SYS$STARTUP:DDS$STARTUP.COM node nodenumber` where `node` is the name of the node on which the remote Message Router is installed and `nodenumber` is the Directory Service node number of the remote Message Router node.

[1]The exact command line will depend on which Message Router components are running.

[2]`location` is the location of the ALL–IN–1 configuration file, OA$DATA_SHARE:A1CONFIG.DAT.

5.5 Replace the DCLTABLES on Cluster Systems

If you installed ALL–IN–1 Version 3.2 on a VMScluster system, you must replace the DCLTABLES on any nodes in the cluster where you are not installing ALL–IN–1 Version 3.2. Enter the following commands on each of these nodes:

```
$ INSTALL
INSTALL> REPLACE SYS$SHARE:DCLTABLES /OPEN /SHARE -
_INSTALL> /HEADER_RES
INSTALL> EXIT
```

5.5 Replace the DCLTABLES on Cluster Systems

You need only do this once after you have installed ALL–IN–1 Version 3.2. The ALL–IN–1 installation procedure replaces the tables automatically for the node on which you are installing ALL–IN–1 Version 3.2.

5.6 Delete Files That Are No Longer Required

If you have upgraded or updated ALL–IN–1, various files remain in the SYSTEM directories which you can delete to increase your disk space. The files are:

- For an ALL–IN–1 Version 3.1 upgrade:

  SYS$HELP:A1031.RELEASE_NOTES
  SYS$HELP:A1Llang031.RELEASE_NOTES
  SYS$HELP:A1Cmarket031.RELEASE_NOTES, if available
  SYS$STARTUP:A1V31START.COM
  SYS$HELP:TLC025.RELEASE_NOTES

5.7 Install Missing Images

On startup, if any error messages are displayed relating to images that are not installed, use the Install utility to install those images before executing the startup procedure again. Images that you may need to install in this way are those referenced by optional products that you have integrated with the ALL–IN–1 image. For example, the following command installs the image RDBSHR, which is referenced by VAX DATATRIEVE:

```
$ INSTALL
INSTALL> ADD SYS$SHARE:RDBSHR /OPEN /HEADER_RES /SHARED
```

For more details of the Install Utility, see the OpenVMS documentation.

5.8 Recompile Form Libraries

If you are upgrading from ALL–IN–1 Version 3.1 and you have compiled form libraries on your old system which are not replaced by the upgrade, you may see the following error message:

```
Obsolete form library <name> please recompile
```

If you see this message, recompile the form library.

Note

You must also compile application or site-specific form libraries, and your own applications.

The following form libraries are compiled automatically:

- OAFORM
- SITEOAFORM
- MEMRES
- SITEMEMRES
- OAN$FORMS
- SITEOAN$FORMS

If you have added code or manual procedures to compile other form libraries, you must recompile them manually after the installation. Use the Precompile a form library (PCF) option from the System Customization Management (CSZ) menu. See the *ALL–IN–1 Management Guide*.

5.9 Migrate SITELINK31 Using Customization Management

The SITELINK32.COM file is under the control of Customization Management. It is important that you check that any customizations to SITELINK31.COM are compatible with SITELINK32.COM.

Use Customization Management to edit the base template version of the site link file, SITELINK32.COM, to include your previous SITELINK31.COM from OA$SITE_BUILD. Review your customizations to SITELINK32.COM and then move your customized version to LIVE. Review your customizations to make sure they are compatible with ALL–IN–1 Version 3.2. Do not relink ALL–IN–1 until you have done this. See Section 5.10.

It is recommended that you do the following to relink:

```
$ SET DEFAULT OA$BUILD_SHARE_ARCH
$ @OA$BUILD:A1LNKDRV
```

5.10 Migrating Your Customizations After Upgrading

Immediately after installing ALL–IN–1 Version 3.2, and before allowing your users to access ALL–IN–1, review your customizations to mandatory elements.

You can rerun the CART after installing ALL–IN–1 Version 3.2 using the Check Conflicts (CC) option from the Application Maintenance menu. When you run the CART from within ALL–IN–1, it does not produce the site elements report. It does produce the full and summary reports, and the CART resolution procedure, which are all stored as new elements in Customization Management.

5.10 Migrating Your Customizations After Upgrading

If you rerun the CART, it does not keep the previous CART full and summary reports. To keep them, use the Customization Management Copy (CO) option to save the elements with another name in the same area, for example, copy CM_CART_SUMMARY_V32$PRIMARY to CM_CART_SUMMARY_V32$PRIMARY_19FEB. All of the elements that you have already processed will have status code F.

To review your customizations:

1. From the Customization Management (CM) subsystem, select each element marked as a mandatory change and print the differences between it and the new base element.
2. Review the differences.

   Note where new functionality has been added or changes made. Note any symbol changes. Use the information in your upgrade plan to make the changes necessary to get your system running.
3. Test your customizations and, if they work correctly, move the elements back into the live area.
4. Before allowing your users back onto the system, review your customizations to recommended elements in the same way as you reviewed the mandatory elements.

   If you do not resolve conflicts to recommended elements, users may not have access to your customizations or will not have access to the full functionality of ALL–IN–1 Version 3.2.
5. Review conflicts with elements reported with status code D, see the *ALL–IN–1 Overview and Planning Guide*. Status code D indicates a customization that calls an element which has been removed from ALL–IN–1 Version 3.2.

   If the element that is called by your customized element has a status code of A, then no customized version of it exists. Your customization will fail if you delete the removed element, as described in Section 5.10.2. Edit the command procedure DELETE_OBSOLETE_FILES.COM so that these elements are not deleted. See Section 5.10.2. Use Customization Management to create a new customized element to replace the referenced base element that no longer exists in ALL–IN–1 Version 3.2.

   Use Customization Management to copy any elements reported with status code A into the development area. When you rerun the CART, these elements will be reported with status code H.
6. You can now allow your users to access ALL–IN–1 Version 3.2. When it is convenient, resolve the conflicts for informational elements.

5.10 Migrating Your Customizations After Upgrading

5.10.1 Running the CART Resolution Procedure

The CART resolution procedure calls individual scripts to process each status code. The scripts are called CM_CART_SCRIPTn, where n is the CART status code.

To run and edit the scripts called by the CART resolution procedure, you must have Application Maintainer privileges for the areas where the elements are stored. See the *ALL–IN–1 Management Guide*. To run the CART resolution procedure use the Execute procedure (EP) option from the Application Maintainer's Check Conflicts (CC) menu.

To change the way that the CART resolution procedure handles elements with a particular status code, do the following:

1. Enter the Customization Management (CM) subsystem.
2. Use the Access base element (ABE) option to select the CART resolution script.
3. Copy the script that you want to change into the development area.
4. Edit the script using Customization Management.

It is not mandatory to use the CART resolution procedure to resolve conflicts. If the script does not provide appropriate actions to resolve the conflicts at your site, then you do not have to use it.

You can use the CART resolution procedure to resolve some of the conflicts reported with an informational status code. You should review the CART resolution procedure carefully before running it. Check that your customized elements do not call a removed element, see Section 5.10 which describes how to resolve conflicts for elements reported with status code D.

5.10.2 Deleting Obsolete Files

A command procedure, DELETE_OBSOLETE_FILES.COM, is provided to remove the files that are no longer required by ALL–IN–1 Version 3.2.

Note

Do not run this procedure immediately after running the CART resolution procedure. You must always review this file before running it. Check that all your customizations are working correctly and ensure that your customizations do not call any elements that will be deleted by this procedure.

5.10 Migrating Your Customizations After Upgrading

You can edit DELETE_OBSOLETE_FILES.COM to stop the deletion of certain files if required, for example, if one of your customizations calls an element that has been removed from the base kit and which would otherwise be deleted by this procedure.

For example, the suggested resolution for elements with status code A is to:

- Run the CART resolution procedure to delete the records for these elements from the Customization Management databases
- Run the command procedure OA$LIB:DELETE_OBSOLETE_FILES.COM to delete the elements

To run DELETE_OBSOLETE_FILES.COM, enter the following from DCL:

```
$ @OA$LIB:DELETE_OBSOLETE_FILES.COM language
```

where `language` is the language of the ALL–IN–1 system. If you have additional languages installed on your system, you can run this procedure for each additional languages.

5.10.3 Restoring Customizations to Data Files

Read this section if you copied customized data files according to the instructions in Section 1.8.1.

Throughout this section, the form PROFILE.DAT is used as an example. To restore your modifications to your data files, do the following:

1. Make a copy of the new base PROFILE.DAT file, preferably outside the ALL–IN–1 directory structure:

   ```
   $ COPY OA$DATA:PROFILE.DAT disk:[directory]BASE_PROFILE.DAT
   ```

2. Make copies of the new base PROFILn forms using Customization Management. For example, copy them to BASE_PROFILn and modify the named data so that the .FILE directive specifies the location of the backup copy of the base format PROFILE file.
3. Make the forms live.
4. Use Customization Management to add your customizations to the new base PROFILn forms and PROFILE.FDL.
5. Make the forms and the FDL files live.
6. Convert PROFILE.DAT to your customized format:

   ```
   <OA$CNV_CONVERT BASE_PROFIL,PROFIL
   ```

7. If it is necessary to recover some data from the original customized PROFILE.DAT, write a script that loops through the CUSTOM_PROFIL dataset and writes the new data to the PROFIL dataset.

   For example:

```
FOR CUSTOM_PROFIL DO WRITE CHANGE PROFIL -
%KEY = .%KEY, additional_field = .additional_field
```

5.10.4 Replacing the Help Modules for Your Application

For more information about customizing Help, see the *Application Programming: Guide*.

After the upgrade, copy the ALL–IN–1 Version 3.2 standard Help libraries, OA$LIB:OAHELP.HLB and OA$LIB:SITEHLPSOURCE.HLB from the base area to the live area, OA$SITE_LIB_language. Customization Management will inform you that the live and development versions of the Help libraries are the same and ask you whether you wish to continue. Answer yes to continue.

You must recreate your customizations to Help modules using Customization Management. Use the Access base elements (ABE) option to get the base version of your Help module. Use the Copy (CO) option to copy the customized module to the development area where you can make changes to it. When you save the module ALL–IN–1 formats it and puts it into the appropriate development Help libraries. When you have tested the Help, mark it to be moved to the live area so that it can be used.

5.11 Link ALL–IN–1 to Include Code-level Customizations

ALL–IN–1 Version 3.2 is linked during the installation without any customizations you may have made to your existing system. Therefore, it is important to relink ALL–IN–1 after the installation if you wish to link with your customizations when you have checked them. See Chapter 2 in the *ALL–IN–1 Management Guide*.

5.12 Check Entries in RIGHTSLIST.DAT

OpenVMS usernames used with ALL–IN–1 must have corresponding entries with the same name in the RIGHTSLIST.DAT file, so that shared filing and system management can operate correctly. After upgrading to ALL–IN–1 Version 3.2, run the script OA$LIB:SM_CHECK_PROFILE, which generates a report indicating those accounts which may not conform to this requirement.

5.13 Setting up Remote Mail When Using the MAILbus 400 MTA

You must complete the set up tasks for Digital X.500 and the MAILbus 400 MTA before you can send and receive mail using the MAILbus 400 MTA. The setup tasks are covered in the *Setting up a New System with the MAILbus 400 MTA and Digital X.500* chapter in the *ALL–IN–1 Mail Management Guide*.

5.14 Setting up Remote Mail When Using Message Router

After the installation, local mail is already set up. If you want to use Message Router for remote mail, you may need to do some or all of the tasks listed in Table 5–3, depending on the requirements at your site.

The tasks that you must do depend on the type of remote Message Router which can be:

- Installed on a VAX node in the same VMScluster:
  - With ALL–IN–1 installed on the Message Router node
  - Without ALL–IN–1 installed on the Message Router node
- Installed on a VAX node that is not in the same VMScluster as ALL–IN–1

Table 5–3 Tasks for Setting up Remote Mail

Task	For Information See
If you are using a remote Message Router server node, make sure that there is a mailbox entry on that node for your ALL–IN–1 mailbox. You may have already done this as part of your preinstallation tasks.	Section 5.14.1
If you have installed ALL–IN–1 Version 3.2 on a mixed architecture cluster, you must modify the mailbox entry on the Message Router node.	Section 5.14.2
If you are using MRGATE on a remote node, set up each node that will be using MRGATE.	Section 5.14.3

(continued on next page)

Table 5–3 (Cont.) Tasks for Setting up Remote Mail

Task	For Information See
Set up the remote Mail directory	Section 5.14.4 if ALL–IN–1 is using a Message Router in the same VMScluster and ALL–IN–1 is installed on the Message Router node Section 5.14.4.2 if ALL–IN–1 is using a Message Router that is not in the same VMScluster or ALL–IN–1 is not installed on the Message Router node If you are using Digital X.500 after a new ALL–IN–1 Version 3.2 installation with Message Router, you must follow the instructions for setting up Digital X.500 in the *ALL–IN–1 Mail Management Guide*.
Edit the site-specific startup procedure to start up the remote Mail directory.	Section 5.14.5

5.14.1 Create a Mailbox for ALL–IN–1

This section applies when ALL–IN–1 is using a Message Router that is not in the same VMScluster. You may have already done this as part of the preinstallation tasks. If you have already created a mailbox, you do not need to do it again.

Your ALL–IN–1 mailbox for your node (or cluster) requires a mailbox entry on the remote Message Router node.

To add a mailbox:

Step	Action
1	Log in to the MBMANAGER account on the node where Message Router is running, and enter the following command: `$ RUN SYS$SYSTEM:MRMAN`

2	Enter the following at the MRM> prompt:
	`MRM> ADD localnodeA1`
	`/PASSWORD=password /COMPLETE_MESSAGES`
	`/IGNORE_SENDER /SERVICE_MESSAGES /SUPPRESS_DELIVERY_REPORTS`

5.14 Setting up Remote Mail When Using Message Router

Step	Action
	where: • `localnode` is the name of the ALL–IN–1 node or cluster. The name must be unique to the Message Router system. • `password` is the ALL–IN–1 mailbox password that you specified during the ALL–IN–1 installation on the remote system. The password that you specify here must be the same as you specified during the ALL–IN–1 installation. If you change the password when creating the mailbox, you must also change it to the same value in ALL–IN–1 by using the Set operating conditions (SOC) option on the Manage Messaging menu. See the *ALL–IN–1 Mail Management Guide*.
3	Exit from the Message Router management utility: `MRM> EXIT`

Refer to the Message Router documentation for more information about mailboxes.

5.14.2 Modifying the Message Router Mailbox Entry

You must modify the Message Router mailbox entry if you have a mixed-architecture cluster and you are using a Message Router in the same cluster. The installation procedure creates a mailbox entry on the Message Router node with the /OWNER=ALLIN1 qualifier. The Alpha node will be unable to connect with this mailbox because the /OWNER qualifier is on the mailbox. Modify the ALL–IN–1 mailbox entry on the Message Router node to remove the qualifier.

```
$ RUN SYS$SYSTEM:MBMAN
MRM> MODIFY A1/NOOWNER
MRM> EXIT
```

where `A1` is the name of the Message Router mailbox.

5.14.3 Configuring the VMSmail Gateway for Remote Access

If you have installed the Message Router VMSmail Gateway on one of the nodes in a VMScluster you can set up other ALL–IN–1 nodes so that they can access it.

On each of the nodes that does not have the gateway started, define the logical name MRGATE to the following:

```
node::MR%
```

where node is the node where the gateway is running.

You can also use a VMSmail Gateway on a node in your network, that is remote to your cluster. You need Message Router to be installed on one of the nodes in your cluster in order to do this. Make an entry for the remote VMSmail Gateway in the mailbox directory of the Message Router Transfer Service on the VAX node in your cluster that is running Message Router:

1. Log in to the MBMANAGER account on the VAX node in your cluster that is running Message Router
2. Enter the following commands:

```
$ RUN SYS$SYSTEM:MRMAN
MRM> ADD MRGATE/REPLACE="MRGATE @node"
```

   where node is the node where the gateway is installed.

3. Exit from the Message Router management utility:

```
MRM> EXIT
```

See the Message Router documentation for more information.

5.14.4 Setting Up the Message Router Directory Service as the Mail Directory

The tasks that you need to do depend on the following:

- If the Message Router node is in the same VMScluster and has ALL–IN–1 installed, see Section 5.14.4.1.
- If the Message Router node is not in the same VMScluster or ALL–IN–1 is not installed on the Message Router node, see Section 5.14.4.2.

5.14.4.1 Message Router is in the Same VMScluster

Read this section if ALL–IN–1 is installed in the same VMScluster as Message Router and ALL–IN–1 is installed on the Message Router node. You can be using the Mail directory as either the primary or the secondary directory. If, during the installation, you chose to use the Mail directory as the primary directory, OA$DDS_PRIME is set to 2. If, during the installation, you chose to use the Mail directory as the secondary directory with ALL–IN–1 as the primary directory, then OA$DDS_PRIME is set to 1.

After installation, the following values are set up:

- A user agent entry name and password.
  - The user agent entry name is OA$node$ALLIN1 for a new or upgrade installation, where node is either the node name or the cluster alias

5.14 Setting up Remote Mail When Using Message Router

for the system on which you are installing ALL–IN–1. For example, OA$LYNX$ALLIN1.

- The user agent entry password is the Mail directory password that you entered during the installation.

- A subscriber entry for the ALL–IN–1 manager. The proxy attribute of the subscriber entry is the name of the local ALL–IN–1 user agent entry (OA$node$ALLIN1). This attribute gives ALL–IN–1 proxy access to the manager's entry, so that ALL–IN–1 can update and access the entry.
- UAPASSWRD.DAT which contains the name of the user agent object and the user agent password, from the first item in this list.

When you set up the Mail directory the values in the previous list are updated.

To set up the Mail directory, do the following:

Step	Action
1	Log in to the ALL–IN–1 manager's ALL–IN–1 account: `$ ALLIN1 /USERNAME=MANAGER`

2	Enter the following commands from ALL–IN–1:
	`<GET #ORGNAME=orgname`
	`<GET #LOCATION=location`
	where:
	• `orgname` is the name of your company or organization
	• `location` is the location of your users
	If area routing is in use at your site, you must also enter:
	`<GET #AREA="area_code"`
	`area_code` is the area code for the area that includes your system.

5.14 Setting up Remote Mail When Using Message Router

Step	Action

If you do not know the area code, do the following on the Message Router node:

Step	Action
a	Run the MAILbus configuration procedure to display the current Transfer Service settings in use at your site: `$ @SYS$MANAGER:MB$CONFIG`

b	Display the settings for the Message Router Transfer Service:
	`MBC> SHOW TS`
	The area code is displayed, along with other settings, as follows:
	.
	.
	.
	`Transfer Service uses area routing`
	`Area Code : areacode`
	.
	.
	.
	where `areacode` is the area code in use at your site.

3	Enter `EXIT`, or press CTRL/Z, to exit from the MAILbus configuration procedure. For more details of this command, see the Message Router documentation.

3 Update the user agent entry by entering the following command:

```
<DO OA$LIB:USERAGENT_POST
```

5.14 Setting up Remote Mail When Using Message Router

Step	Action
	This DO script does the following: • Updates the user agent entry in OA$DATA_SHARE:UAPASSWRD.DAT with the Mail directory identity obtained from the user agent object in the Mail directory. The ALL–IN–1 user agent is now available for all users. • Sets the Mail directory field in the ALL–IN–1 manager's account details to Y. • Copies details from the ALL–IN–1 manager's profile entry, which was created during installation, into the manager's Mail directory subscriber entry. • Copies the manager's Mail directory identifier from the subscriber entry into the manager's ALL–IN–1 account details. • Updates the ALL–IN–1 user agent object in the Mail directory with the values you supplied for organization name and location. • Creates a mail address (OA$DDS_AREA_ROUTE) that is used for all the Mail directory subscribers owned by the user agent (ALL–IN–1). The mail address comprises the name of the ALL–IN–1 Message Router mailbox (OA$MTI_MAILBX), and the name of the node or cluster (OA$PRIMARY_ NODE) running the Message Router to be used by ALL–IN–1. If area routing is in use at your site, the network address also includes the area code that you specified.
4	Restart ALL–IN–1 on all nodes in the VMScluster.
5	If you are performing an upgrade or an update installation in which you have elected to use Mail directory addressing for the first time, see the *ALL–IN–1 Mail Management Guide* for information about how to populate the Mail directory.

5.14.4.2 Message Router is not in the Same VMScluster

Read this section if the Message Router that you are using is not in the same VMScluster as ALL–IN–1, or it is in the same VMScluster but ALL–IN–1 is not installed on the Message Router Node.

You must create the following:

- A user agent entry name and password.

5.14 Setting up Remote Mail When Using Message Router

- A subscriber entry for the ALL–IN–1 manager. The proxy attribute of the subscriber entry is the name of the local ALL–IN–1 user agent entry (OA$node$ALLIN1). This attribute gives ALL–IN–1 proxy access to the manager's entry, so that ALL–IN–1 can update and access the entry.
- Update the OA$DATA_SHARE:UAPASSWRD.DAT file with the name of the user agent object and password.

You must do some tasks on the remote Message Router node and some tasks on the ALL–IN–1 node.

Step	Action
1	**On the remote Message Router node**, log in to the MBMANAGER account and run the MAILbus Management Utility, MBMAN: `$ RUN SYS$SYSTEM:MBMAN`

2	Create the user agent object that ALL–IN–1 will use to access the Mail directory and add the object to the Mail directory:
	`MBMAN> BUILD DDS UA /NAME="uaname"/PASSWORD="password"`
	`MBMAN> ADD DDS BUILT_OBJECT/LOG`
	where:
	• `uaname` is the name of the user agent object. The name is in the form OA$node$ALLIN1, where `node` is either the node name or the cluster alias for the system on which you are setting up the Mail directory.
	• `password` is the password that ALL–IN–1 will use to access the user agent object. It must not be more than eight characters long.

5.14 Setting up Remote Mail When Using Message Router

Step	Action

3	Create and add a subscriber entry to the Mail directory for the ALL–IN–1 manager:
	
	`MBMAN>BUILD DDS SUBSCRIBER /SURNAME="MANAGER"`
	`MBMAN>BUILD DDS SUBSCRIBER /PROXY="uaname"`
	`MBMAN>BUILD DDS SUBSCRIBER /SUBID="uaname"`
	`MBMAN>ADD DDS BUILT_OBJECT/LOG`
	`MBMAN>EXIT`
	
	where:
	
	• MANAGER is the name of the ALL–IN–1 manager's ALL–IN–1 account and must be entered as shown. Do not enter any other account name.
	
	• `uaname` is the name of the user agent object that you specified, for example, OA$nodename$ALLIN1.
	
	• `/PROXY="uaname"` grants the local ALL–IN–1 user agent proxy access to the manager's subscriber entry. This enables the ALL–IN–1 user agent to access and update the manager's subscriber entry on behalf of the manager.
	
	• `/SUBID="uaname"` identifies the ALL–IN–1 manager's subscriber entry to ALL–IN–1, as there can be many entries called MANAGER.

4	**On the ALL–IN–1 node (VAX or Alpha)**, do all the next steps from the ALL–IN–1 manager's ALL–IN–1 account:
	
	Enter the following commands to create temporary symbols required by the script which you will run in the next step:
	
	`<GET #ORGNAME=orgname`
	`<GET #LOCATION=location`
	
	where:
	
	• `orgname` is the name of your company or organization
	
	• `location` is the location of your users
	
	If area routing is in use at your site, you must also enter:
	
	`<GET #AREA="area_code"`
	
	`area_code` is the area code for the area that includes your system.

5.14 Setting up Remote Mail When Using Message Router

Step **Action**

If you do not know the area code, do the following on the Message Router node:

Step	Action
a	Run the MAILbus configuration procedure to display the current Transfer Service settings in use at your site: `$ @SYS$MANAGER:MB$CONFIG`

b	Display the settings for the Message Router Transfer Service:
	`MBC> SHOW TS`
	The area code is displayed, along with other settings, as follows:
	.
	.
	.
	`Transfer Service uses area routing`
	`Area Code : areacode`
	.
	.
	.
	where `areacode` is the area code in use at your site.

c	Enter `EXIT`, or press CTRL/Z, to exit from the MAILbus configuration procedure. For more details of this command, see the Message Router documentation.

5 Run the following script:

`<DO OA$LIB:USERAGENT_POST`

A mail message will be sent to the ALL–IN–1 manager's account which contains detailed instructions on what to do next.

6 For details of populating the Mail Directory, see the *ALL–IN–1 Mail Management Guide*.

5.14.5 Remote Message Router Directory Service Startup Procedure

On each ALL–IN–1 node that will be using a remote Mail directory, add the following entry to your site-specific startup procedure *before* the entry for the ALL–IN–1 startup procedure:

```
$ @SYS$STARTUP:DDS$STARTUP.COM node nodenumber
```

where `node` is the name of the node on which the remote Message Router is installed and `nodenumber` is the Directory Service node number of the remote node.

To find the Directory Service node number, do the following on the Message Router node:

```
$ RUN SYS$SYSTEM:MBMAN
MBMAN> SHOW DDS NODE nodename
```

where `nodename` is the name of the Message Router node.

See Section 5.4 for more information about editing the site-specific startup file.

5.15 Convert WPS–PLUS for VMS Documents For Use in ALL–IN–1

Read this section if users have been using WPS–PLUS for VMS and want to use the documents created with WPS–PLUS for VMS from within ALL–IN–1.

Note

To use the converted documents in ALL–IN–1, the WPS–PLUS editor must be installed.

To convert WPS–PLUS for VMS documents, do the following:

1. Give each ALL–IN–1 user who wants to convert their WPS–PLUS for VMS documents the ALL–IN–1 DCL and CMD privileges. See the *ALL–IN–1 Management Guide* for details of setting these privileges. If you normally restrict this access, reset it after conversion is complete.
2. Check that the directory containing the WPS–PLUS for VMS File Cabinet exists by entering the following command:

   ```
   $ DIRECTORY /PROTECTION disk:[username.WPSPLUS...]*.*
   ```

   where `disk` is the name of the user's OpenVMS disk and `username` is the OpenVMS username

5.15 Convert WPS–PLUS for VMS Documents For Use in ALL–IN–1

This command lists all the files in the WPS–PLUS for VMS account belonging to the user.

3. Make sure that all files have the following minimum protection:

   (S:RWD,O:RWE,,)

4. Run ALL–IN–1 from the user account.
5. Enter `WP` to display the Word and Document Processing menu.
6. Enter the following command:

   ```
   <DO OA$LIB:WPCOPY
   ```

7. Enter the full directory specification of the WPS–PLUS for VMS directory (for example, DISK1:[HUDSON.WPSPLUS]) at the following prompt:

   ```
   Enter directory of old File Cabinet
   ```

8. Enter the full directory specification of the ALL–IN–1 directory (for example, DISK1:[HUDSON.A1]) at the following prompt:

   ```
   Enter directory of new File Cabinet
   ```

Note

You cannot have the ALL–IN–1 and WPS–PLUS for VMS versions of the DOCDB.DAT files in the same OpenVMS directory.

9. Enter `A` to copy all documents at once, or `C` to check before each file is copied, at the prompt:

   ```
   Copy All documents at once or Check each one <A/C> <A>:
   ```

   When conversion is complete, ALL–IN–1 returns you to the Word and Document Processing menu.

10. To convert the User-Defined Process [.UDP] files, do the following:

    a. From the Word and Document Processing menu, enter `$`.

       ALL–IN–1 places you in the subprocess.

    b. Enter the following command:

       ```
       $ COPY /LOG [username.WPSPLUS.UDP]*.UDP [.UDP]*.*
       ```

       where username is the user's top-level OpenVMS directory, as recorded in the SYS$SYSTEM:SYSUAF.DAT file.

    c. When the copying is finished, press EXIT to return to ALL–IN–1.

11. Reset the users' privileges.

5.16 WPS–PLUS Login Command Procedure

During the ALL–IN–1 Version 3.2 installation procedure, a login command procedure, A1WPSPLUS_LOGIN.COM, is created in SYS$MANAGER. Add this to the system login command procedure, SYS$SYLOGIN, if you want all users to run with these qualifiers. Alternately, you can make the file available to users to put into their own LOGIN.COM files.

5.17 Install the File Cabinet Server Distributed License

The File Cabinet server handles access to the File Cabinet over the network. If you want to give remote users access to your node, you need the A1-DIST-SHR license. The A1-DIST-SHR license enables the File Cabinet server on your system to accept connections from a File Cabinet server on a remote system. You also need this license if you want to use the ALL–IN–1 Web Interface to make documents in your File Cabinet available to users of Web Browsers.

Use the License Management Facility (LMF) to install the A1-DIST-SHR license. For information about LMF, see the LMF documentation. See Chapter 9 in the *ALL–IN–1 Management Guide* for more information about distributed sharing.

5.18 Moving the CDA DOC_STYLE Files

If CDA$LIBRARY does not exist on your system, the CDA DOC_STYLE files are installed in OA$LIB_SHARE. Move the files to a suitable location.

5.19 Update the Facility Definition to Use DECtrace

During the installation of ALL–IN–1 Version 3.2, a Facility Definition file for DECtrace is provided to SYS$SHARE:EPC$FACILITY.TLB. If you install DECtrace after you have installed ALL–IN–1 Version 3.2, the Facility Definition is picked up automatically.

5.19 Update the Facility Definition to Use DECtrace

If DECtrace is already installed on your system, and you wish to use it for collecting information about ALL–IN–1 Version 3.2, you must update the Facility Definition as follows:

```
$ LIBRARY/TEXT/EXTRACT=OAV32/OUTPUT=EPC$A1V32-FAC-DEF.EPC$DEF -
          SYS$SHARE:EPC$FACILITY.TLB
$ COLLECT INSERT DEFINITION EPC$A1V32-FAC-DEF.EPC$DEF/REPLACE
```

Note

The Facility Definition File has not been updated for ALL–IN–1 Version 3.2. It is the same as provided in ALL–IN–1 Version 3.1.

A

ALL–IN–1 Version 3.2 Distribution Media

The ALL–IN–1 kit is provided on its own CD-ROM or as part of the CD-ROM Consolidated Software Distribution. For VAX upgrades, the kit is also available on magnetic tape and TK50. The same ALL–IN–1 savesets are provided on all media.

A separate CD-ROM is provided for the ALL–IN–1 Web Interface product.

A.1 CD-ROM Distribution Kits (VAX or Alpha Installations)

The notes in this section apply to both the ALL–IN–1 Version 3.2 CD-ROM and to the Consolidated Software Distribution CD-ROM. On the Compact Disc (CD-ROM), the base kit is in the directory A1032.KIT. The printable documentation is in a directory called A1032.DOCUMENTATION.

For the ALL–IN–1 Version 3.2 CD-ROM, the online versions of the documentation for Bookreader are provided in the DECW$BOOK directory.

For each language, there is a directory called A1lang032, where `lang` is the 2-letter code for the ALL–IN–1 language that you are installing. See the *ALL–IN–1 Installation: Language and Market Supplement* for a list of savesets for your language, market and dialect components.

The base component savesets in the A1032.KIT directory are:

```
A1032.A
A1032.B (used by VAX only)
A1032.C (used by Alpha only)
A1032.D (used by VAX only)
A1032.E (used by Alpha only)
A1032.F (used by VAX only)
A1032.G (used by Alpha only)
A1032.H (used by VAX only)
A1032.I (used by Alpha only)
A1032.J
A1032.K
A1032.L
```

A.1 CD-ROM Distribution Kits (VAX or Alpha Installations)

The documentation directory, A1032.DOCUMENTATION contains ASCII (.TXT) and PostScript (.PS) versions of the following documentation:

- The *ALL–IN–1 Installation: Guide*, INST_GUIDE_1.TXT and INST_GUIDE_1.PS
- The *ALL–IN–1 Installation: Language and Market Supplement*, INST_GUIDE_2.TXT and INST_GUIDE_2.PS
- The Read Me First letter, READ_ME_FIRST.TXT and READ_ME_FIRST.PS
- The Software Product Description (SPD), A1032_SPD.TXT and A1032_SPD.PS.

The CDROM also contains the following software in their own directories:

- VAX Forms Management System (FMS) (VAX only)
- DEC FMS Version (Alpha only)
- Message Router (VAX only)
- Message Router VMSmail Gateway (VAX only)
- DEC Notes

A.2 Magnetic Tape and TK50 Kits (VAX Upgrades)

The ALL–IN–1 files are supplied on 6250 bpi magnetic tape or TK50 cartridge for VAX upgrades. There are two pieces of media, one for the base component and one for the language and market components. The media is labeled as follows:

- Base component:

```
ALL-IN-1 V3.2 BASE BIN media_type
BASE COMPONENT A11032
(c) 1996 Digital Equipment Corp.
```

`media_type` is the code for your distribution media.

This media contains the following base component savesets:

A.2 Magnetic Tape and TK50 Kits (VAX Upgrades)

```
A1032.A
A1032.B (used by VAX only)
A1032.C (used by Alpha only)
A1032.D (used by VAX only)
A1032.E (used by Alpha only)
A1032.F (used by VAX only)
A1032.G (used by Alpha only)
A1032.H (used by VAX only)
A1032.I (used by Alpha only)
A1032.J
A1032.K
A1032.L
```

- Language and market component:

  ```
  ALL-IN-1 V3.2 language BIN media_type
  LANGUAGE/MKT COMPONENT A12032
  (c) 1996 Digital Equipment Corp.
  ```

  where `media_type` is the code for your distribution media and `language` is the name of the language that you are installing, for example, ENGLISH.

  This media contains the language, market and dialect (if provided) savesets. See your *ALL–IN–1 Installation: Language and Market Supplement*. VAX FMS is also included on the language and market media.

Each saveset has a unique kit revision identifier, for example:

`A1032BASEA.REV_nnn.`

All other software provided with your ALL–IN–1 kit is supplied on separate tapes.

B

ALL–IN–1 Version 3.2 Files and Directories

This appendix lists the files that are installed in directories other than the ALL–IN–1 directories.

B.1 Files in the ALL–IN–1 Kit

For a complete list of all ALL–IN–1 directories and file names when the installation is complete, use the following command for each ALL–IN–1 area:

```
$ DIR/SEC[a1dir...]*.*/out=a1dir.TXT
```

where `a1dir` is the top level directory name for each area (for example ALLIN1.DIR).

The list of files is a useful reference if you need to resolve any problems with file protections or ACLs.

B.2 Files Installed in Non-ALL–IN–1 Directories

The following list shows the files that are installed in directories other than the ALL–IN–1 directories. Where `language` is included in a file name, this is the name of the installed language, for example, ENGLISH.

- SYS$COMMON:[SYSLIB]

```
OA$AIDA_CSHR.EXE
OA$AIDA_DSSHR.EXE
OA$AIDA_GCMSHR.EXE
OA$AIDA_RTLSHR.EXE
OA$AIDA_SECSHR.EXE
OA$DSL$SHR.EXE
OAFC$CLIENT_SHR.EXE
OA$TMAECOMM.EXE
```

B.2 Files Installed in Non-ALL–IN–1 Directories

```
DDS$RMT_VAX.EXE (VAX Only)
DDS$RMT_ALPHA.EXE  (Alpha Only)
DPESHR.EXE
SYS$PROXY_SHR.EXE
OAFCDEF.H
OAFCDEF.L32
OAFCEXT.H
OAFCEXT.L32
OAFCEXT.R32
OAFC$LINK.OPT
PRXDEF.H

DDIF$READ_DX.EXE
DDIF$READ_MACWRITE.EXE
DDIF$READ_PICT.EXE
DDIF$READ_RTF.EXE
DDIF$READ_WORD5.EXE
DDIF$READ_WORDP.EXE
DDIF$READ_WPL.EXE
DDIF$WRITE_DX.EXE
DDIF$WRITE_MACWRITE.EXE
DDIF$WRITE_PICT.EXE
DDIF$WRITE_RTF.EXE
DDIF$WRITE_WORD5.EXE
DDIF$WRITE_WORDP.EXE
DDIF$WRITE_WPL.EXE
DTIF$READ_DIF.EXE
DTIF$READ_TCV.EXE
DTIF$READ_WK1.EXE
DTIF$READ_WK3.EXE
DTIF$WRITE_WK1.EXE
DTIF$WRITE_WK3.EXE
DDIF$READ_RNO.EXE (Alpha Only)

MRAPPSHAR.EXE (VAX Only)
MRAXPSHAR.EXE (Alpha Only)


OA$LLVlanguage.EXE (On Multilingual systems only)

OA$WPL_ALL_TV.EXE (Alpha with full WPS-PLUS support only)
OA$WPL_FDP_TV.EXE (Alpha without full WPS-PLUS support only)

IMP$IMPSHR.EXE (VAX only)
IMP$IMPSHRP.EXE (VAX only)

XPORT.L32
XPORT.OLB
XPORT.REQ
```

B.2 Files Installed in Non-ALL–IN–1 Directories

- SYS$COMMON:[SYSEXE]

```
A1MAIL$CTI_BROKER.EXE
OA$AIDA_CLI.EXE
OA$AIDA_DDS.EXE
OA$AIDA_PROP_SHARING.EXE
OA$AIDA_SERVER.EXE
OA$AIDA_X500.EXE
OA$SCRIPT_SYMBIONT.EXE
OAFC$SERVER.EXE
OA$FORMATTER.EXE
TLNK$REMOTE.EXE
```

- SYS$COMMON:[SYSMSG]

```
XPORTMSG.EXE
OAFC$MESSAGES.OBJ
CNV_MSG.DAT
DPEMSG.EXE

MRAPPMSG.EXE (VAX Only)
MRAXPMSG.EXE (Alpha Only)

DDS$MSG_ALPHA.EXE (Alpha Only)
DDS$MSG_VAX.EXE (VAX Only)
DDS$RMT_VAX.EXE (VAX Only)
DDS$RMT_ALPHA.EXE (Alpha Only)
```

- SYS$COMMON:[SYS$STARTUP]

```
A1V32START.COM
OA$AIDA_START.COM
OAFC$STARTUP.COM
DDS$STARTUP.COM
```

- SYS$COMMON:[SYSMGR]

```
A1WPSPLUS_LOGIN.COM
```

- SYS$COMMON:[SYSHLP.EXAMPLES]

B.2 Files Installed in Non-ALL–IN–1 Directories

```
EXAMPLE_READ_DIF.CDA$OPTIONS
EXAMPLE_READ_DX.CDA$OPTIONS
EXAMPLE_READ_MACWRITE.CDA$OPTIONS
EXAMPLE_READ_PICT.CDA$OPTIONS
EXAMPLE_READ_RTF.CDA$OPTIONS
EXAMPLE_READ_WK1.CDA$OPTIONS
EXAMPLE_READ_WK3.CDA$OPTIONS
EXAMPLE_READ_WORD5.CDA$OPTIONS
EXAMPLE_READ_WORD5_FONTMAP.CDA$OPTIONS
EXAMPLE_READ_WORDP.CDA$OPTIONS
EXAMPLE_READ_WPL.CDA$OPTIONS
EXAMPLE_WRITE_DX.CDA$OPTIONS
EXAMPLE_WRITE_MACWRITE.CDA$OPTIONS
EXAMPLE_WRITE_PICT.CDA$OPTIONS
EXAMPLE_WRITE_RTF.CDA$OPTIONS
EXAMPLE_WRITE_WK1.CDA$OPTIONS
EXAMPLE_WRITE_WK3.CDA$OPTIONS
EXAMPLE_WRITE_WORD5.CDA$OPTIONS
EXAMPLE_WRITE_WORDP.CDA$OPTIONS
EXAMPLE_WRITE_WORDP_V5_0.CDA$OPTIONS
EXAMPLE_WRITE_WORDP_V5_1.CDA$OPTIONS
EXAMPLE_WRITE_WPL.CDA$OPTIONS
```

Language specific lexicon files are installed in LCI$LEXICONS if you install WPS–PLUS as the default editor.

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