Compaq Office Server

Installation Guide

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Operating system:	OpenVMS VAX Version 6.2 or higher excluding OpenVMS VAX Version 7.0, and OpenVMS Alpha Version 6.2 or higher excluding OpenVMS Alpha Version 7.0

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Preface

About This Book

Before you use this book, you must plan your Office Server Version 5.0 installation by reading the *Compaq Office Server Planning and Setup Guide*.

This guide describes how to do the following:

1. Prepare your system for an Office Server Version 5.0 installation.
2. Install Office Server Version 5.0.
3. Set up Office Server Version 5.0 so that the Office Server manager can log in and use it locally.

Office Server Installation: Language and Market Information

The documentation provided with non-ENGLISH kits provides the disk space values for installing the Office Server Version 5.0 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 *Compaq Office Server Planning and Setup Guide*.

To install Office Server Version 5.0 you must be familiar with the VMSINSTAL utility.

The Office Server Management Documentation Set

The following guides form the Office Server management documentation set:

- *Compaq Office Server Planning and Setup Guide*
- *Compaq Office Server Installation Guide*

- The online help for Office Server Administrator

Note

The V4.0 management guide may still be useful, but the most up-to-date management information is in the Office Server Administrator help.

Terminology and Conventions Used in this Guide

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

Office Server	Means the DIGITAL Office Server for OpenVMS Alpha and OpenVMS VAX
OpenVMS Alpha	Means the OpenVMS Alpha operating system
OpenVMS VAX	Means the OpenVMS VAX operating system
UCX	Means DEC TCP/IP Services for OpenVMS
AIDA Server	Means the Distributed Access Server
Client user	Means a user of a client of Office Server. Client users include: • Users of personal computers (PCs) and workstations (*PC client users*) • Users of the video terminal (VT) interface to Office Server software, when they choose options that make use of an Office Server server (*VT client users*)
Architecture	Is a term used to differentiate between OpenVMS VAX systems and OpenVMS Alpha systems

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

1

Preparing Your System for Installation

This chapter describes the tasks that you must do to prepare your system for an Office Server installation. The information in this chapter applies to all installations.

You must read the *Compaq Office Server Planning and Setup Guide* before you install Office Server. The guide covers:

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

  In addition, if 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 Office Server.
- Mail system planning
- System policies and licensing

This installation guide assumes that you have read the *Compaq Office Server Planning and Setup 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 Office Server 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 Compaq 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 Office Server mail system. The *Compaq Office Server Planning and Setup Guide* also lists any prerequisite configuration tasks that must be done for the messaging products that you plan to use with Office Server. These tasks must be completed before you start your installation.	*Compaq Office Server Planning and Setup 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 License PAKs for the prerequisite and optional software provided with Office Server.	Section 1.4.1
8	Check the installation procedure requirements: • For the installing account • System parameters • Disk space • Logical names • Installed images • The location of DCLTABLES.EXE	Section 1.6 for the values required and instructions for checking and changing these parameters.
9	For upgrade installations, do any additional tasks.	Section 1.7.

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Table 1–1 (Cont.) Preinstallation Checklist

Task	Description	For further information, see
10	Check that all prerequisite and optional software is installed, configured and running before you start the Office Server 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 Office Server. 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 Office Server. See the *Compaq Office Server Planning and Setup Guide*. For a suggested order of installing optional software, see Section 1.5.
11	If you are installing a new Office Server system with DIGITAL X.500 and the MAILbus 400 MTA, check that these products have been installed and configured correctly.	Section 1.8
12	If you will be using a remote Message Router that is not in the same VMScluster, do any additional tasks.	Section 1.9.

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Table 1–1 (Cont.) Preinstallation Checklist

Task	Description	For further information, see
13	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 1.10
14	Do the final system preparation tasks.	Section 1.11 for new installations and Section 1.12 for upgrade installations.
15	Back up your system and target disks.	Section 1.13

1.2 Reading and Printing the Online Release Notes

Online release notes are provided with the language and market components of Office Server. 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 Office Server software.

There are two parts to the Office Server release notes:

- *Release Notes Part 1 Language*

  This part contains the release notes specific to the Office Server language being installed.

- *Release Notes Part 2 Market*

  This part contains the release notes specific to your Office Server 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:

   - A1Llang050 for the Release Notes Part 1 Language, where lang is the 2-letter code for the language you are installing
   - A1Cmarket050 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 *Office Server 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:

- A1Llang050.RELEASE_NOTES, for the Release Notes Part 1 Language, where lang is the 2-letter code for the language you are installing
- A1Cmarket050.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 Office Server installation. It also lists the software that is supplied with the Office Server 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 Office Server. The installation will fail if the prerequisite software is not installed.

- Optional means that the software is not required for the Office Server 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 Office Server.

Table 1–2 Prerequisite and Optional Software

Software Product	VAX Version	Alpha Version	Supplied With Kit?	Notes
OpenVMS VAX	6.2 or higher	-	N	**Prerequisite** for installation on VAX. Must be a full untailored system
OpenVMS Alpha	-	6.2 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	6.2 or higher	6.2 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.
TCP/IP Services for OpenVMS or other TCP/IP software that emulates this[3]	4.1-12 or higher	4.1-12 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.
Message Router VMSmail Gateway	3.3	-	Y	Optional Install if you want to send mail from Office Server systems using Message Router to VMSmail users.

[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.

[3]For supported versions of other TCP/IP software that emulates TCP/IP Services for OpenVMS, see the *Office Server Software Product Description*.

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

Software Product	VAX Version	Alpha Version	Supplied With Kit?	Notes
MAILbus 400 MTA[4]	2.0	2.0	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.
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.

[4]Office Server can also connect to a MAILbus 400 MTA installed on a remote Tru64 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
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 1.5.

For a list of all supported versions of products that can be used with Office Server, see the *Office Server Software Product Description*.

1.4 Licensing

The way that your Office Server system is licensed depends on the whether you are migrating from ALL–IN–1 or MailWorks, or are installing a new system:

1. If you already have an ALL–IN–1 license, all appropriate subsets for Office Server are enabled, and current license Product Authorization Keys (PAKs) are honored.

   If you are migrating from MailWorks, a Client Access License must be acquired for every user of the system as shown in Table 1–3.

Table 1–3 Licenses for Migrating from MailWorks

Migrating from	To	Licensing Required
MailWorks on VAX	Office Server on VAX	100 Client Access Licenses are supplied at no cost with each Office Server License. If you are migrating more than 100 users, you must purchase an additional Client Access License for each additional user.
MailWorks on VAX	Office Server on Alpha	Update Client Access License must be purchased for every user. After migration to Office Server, you must purchase an additional Client Access License for every additional user.
MailWorks on Alpha	Office Server on Alpha	Existing Capacity or User licenses can be traded for the appropriate number of Client Access Licenses, equal to the number of users supported during the migration. After migration to Office Server, you must purchase an additional Client Access License for every additional user.

2. If you are installing a new system, licensing is controlled by Client Access Licenses (CALs). Functionality is restricted to Electronic Messaging, Group Services, Directories, File Cabinet, Word Processing (not including the WPS–PLUS editor), and User Setup.

1.4.1 Registering License PAKs for Software Provided with Office Server Version 5.0

You must register the License PAKS for additional products supplied with the Office Server Version 5.0 kit.

The License PAKs for Message Router, Message Router gateway, and the CDA Converter Library can be registered automatically using the Office Server Version 5.0 installation procedure

The License PAKs supplied for these products are for VAX installations only, and are for 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 Office Server Version 5.0 kit.

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 Office Server Version 5.0 kit. The installation then terminates.

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

1.5 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 Office Server Version 5.0 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 Office Server 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 Office Server node or cluster. DIGITAL X.500 and the MAILbus 400 MTA must be correctly installed, configured and running before you start the new Office Server installation. See the *MAILbus 400 MTA and DIGITAL X.500 Planning* chapter in the *Compaq Office Server Planning and Setup 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.

1.6 Installation Procedure Requirements

This section describes the requirements for installing Office Server Version 5.0. It explains how to check the values and how to change them if necessary.

1.6.1 Installing Account Requirements

Use the SYSTEM account to install Office Server Version 5.0.

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 1–4 summarizes the requirements.

Note that these values are sufficient for installation, but they may not be appropriate for running Office Server. When you create new user accounts for Office Server Version 5.0 the process quotas are set to the appropriate values.

Table 1–4 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	

1.6.2 System Parameters

Table 1–5 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 Office Server Version 5.0.

The values for the system parameters and quotas given in this section are those specific to Office Server Version 5.0 and are acceptable for most systems.

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 1–5 Minimum System Parameter Values Required

System Parameter	VAX	Alpha
CTLPAGES	100	100

(continued on next page)

Table 1–5 (Cont.) Minimum System Parameter Values Required

System Parameter	VAX	Alpha
GBLSECTIONS	250 (new) 50 (upgrade)	250 (new) 50 (upgrade)
GBLPAGES	20000 (new) 5000 (upgrade)	35000 (new)[1] 5000 (upgrade)[1]
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

[1]For Alpha systems after OpenVMS Version 7.1, the value of GBLPAGES is dynamic.

(continued on next page)

Table 1–5 (Cont.) Minimum System Parameter Values Required

System Parameter	VAX	Alpha
GBLPAGFIL	For upgrade installations: 1. Add together the number of global buffers[2] 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$SHARn, where n is a letter from A to E. 3. Multiply the total by 4 to convert to global pages 4. Add 500	For upgrade installations: 1. Add together the number of global buffers[2] on the following files in OA$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

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

(continued on next page)

Table 1–5 (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[3]	16 384 pages[4]	250 000 pagelets

[3]A high value of VIRTUALPAGECNT is required when running the File Cabinet test and repair procedure (FCVR program). For versions of OpenVMS after Version 7.0, VIRTUALPAGECNT is not required.

[4]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.

1.6.3 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 1–5 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.

1.6.4 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 1–6.

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 1–6 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 1–5 for the required value.

(continued on next page)

Table 1–6 (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 1–5 for the required values.

If you change any of the system parameter values, you must update them using AUTOGEN. See Section 1.6.4.1 and Section 1.6.4.2.

1.6.4.1 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.

1.6.4.2 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.

1.6.5 Disk Space on Your System Disk or Alternate Working Device

This section discusses the disk space requirement for your kit working device during an Office Server Version 5.0 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 documentation provided with your kit. You must check the disk space requirements on the target disks where Office Server Version 5.0 will be installed. See Section 1.6.7.

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

Note

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

When you run the installation in safety mode, all of the Office Server Version 5.0 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 Office Server Version 5.0 kit on your system disk. The disk space values for installing your kit in safety mode are given in Appendix C, or the documentation that is supplied with your kit, if not US or GB.

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 Office Server Version 5.0 kit. The disk space values for installing your kit in non-safety mode are given in Appendix C, or the documentation that is supplied with your kit, if not US or GB.

1.6.6 Using the OA$LIB_SHARE Disk as the AWD

If you have sufficient space on the target disk on which OA$LIB_SHARE will reside, Compaq recommends that you use this disk as the AWD. If you do have sufficient space to install on this target disk, the installation time can be reduced by approximately 20%. This is because the majority of the Office Server files reside in the OA$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.

1.6.7 Disk Space for Office Server Areas on Target Disks

You can install Office Server Version 5.0 in the following ways:

- On a single target disk
- Across several target disks by installing Office Server areas on separate disks.

For upgrade installations, the installation procedure assumes that the Office Server disks and top-level directories for the Office Server areas have not changed, and that the Office Server 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 Office Server 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 *Compaq Office Server Planning and Setup Guide* for more information about Office Server areas.

The disk space requirements for Office Server language and market areas that you are installing are provided in the documentation supplied with your kit.

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 Appendix C, or the documentation that is supplied with your kit, if not US or GB.

The disk space requirements for each Office Server area are listed in the following tables:

- Table 1–7 for a new installation. See Section 1.6.9.
- Table 1–8 for an upgrade installation. See Section 1.6.10.
- Table 1–9 for the addition, upgrade or update of VAX or Alpha architecture support. See Section 1.6.11.

  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 Office Server area during the installation.

1.6.8 Assigning Logical Names to Your Disks

Compaq 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 1.10 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 Office Server 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.

1.6.9 New Installation: Disk Space for Office Server Areas

Table 1–7 gives the disk space requirements for installing Office Server 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 1–7 New Installation: Disk Space for Office Server Areas

Office Server Area for	VAX	Alpha
System disk files[1]	21 000	61 000
Shared library files	71 500	112 000
Shared data files	12 500	12 500
Shared areas[2]	1000	1000
Office Server Manager account[3]	1000	1000

[1]Space required to provide Office Server shared files to system directories. Add the value given in the Appendix C (or the documentation that is supplied with your kit, if not US or GB) 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 Appendix C, or the documentation that is supplied with your kit, if not US or GB.

Note

Do not create the Office Server manager's account in a subdirectory of an OpenVMS system directory.

1.6.10 Upgrade Installation: Disk Space for Office Server Areas

Table 1–8 gives the disk space requirements for upgrading Office Server 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 1–7.

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 1–8 Upgrade Installations: Disk Space for Office Server Areas

Office Server Area for	VAX	Alpha
System files[1]	10 500	61 000
Shared library files	14 500	112 000

[1]Space required to provide Office Server shared files to system directories. Add the value given in Appendix C (or the documentation that is supplied with your kit, if not US or GB) to get the total value

(continued on next page)

Table 1–8 (Cont.) Upgrade Installations: Disk Space for Office Server Areas

Office Server Area for	VAX	Alpha
Shared data files	2000	2000

For the disk space values for the primary language files, see Appendix C, or the documentation that is supplied with your kit, if not US or GB.

1.6.11 Addition of Architecture Support: Disk Space for Office Server areas

Table 1–9 gives the disk space requirements for adding, upgrading or updating architecture support on the system and Office Server target disks.

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

Table 1–9 Addition, Upgrade or Update of Architecture Support: Disk Space for Office Server Areas

Office Server Area for	VAX	Alpha
System files[1]	21 000	61 000
Shared library files	48 500	95 000

[1]Space required to provide Office Server files to system directories. Add the value given in Appendix C (or the documentation that is supplied with your kit, if not US or GB) to get the total value

For the disk space values for the primary language files, see Appendix C, or the documentation that is supplied with your kit, if not US or GB.

1.6.12 Disk Quota Allocation

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

1.6.13 Installed Images

Make sure that the shareable image and message files listed in Table 1–10 are installed on your VAX system and Table 1–11 are installed on your Alpha system before you install Office Server. Note that this list of required images applies to the versions of the products listed in Table 1–2.

Table 1–10 Installed Images Required on VAX

Product	Image Required on VAX
Always required	SYS$SHARE:CONVSHR.EXE
	SYS$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 Office Server, you must make sure that image is installed before the installation.
	SYS$SHARE:CDDSHR.EXE
	SYS$MESSAGE:DTRMSGS.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

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

Product	Image Required on VAX
	SYS$SHARE:CDDEXC.EXE
DEC Notes	SYS$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 1–11 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

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

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Table 1–11 (Cont.) Installed Images Required on Alpha

Product	Image Required on Alpha
	SYS$SHARE:LIBRTL.EXE
	SYS$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 Office Server, 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

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Table 1–11 (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 1.6.14.
- Other images, see Section 1.6.15.

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

1.6.14 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

1.6.15 Installing Other Images

Install other images as follows:

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

1.6.16 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
```

1.7 Additional Tasks for Upgrade Installations

If you are upgrading an existing Office Server system, do the following:

1. Review your object libraries.

   Your object libraries may have been updated if you installed layered products. Office Server 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 Office Server Version 5.0. 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 Office Server 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 Compaq Office Server directories in non-site areas also have system delete access (S:D).
4. Make copies of customized data files. See Section 1.7.1.

1.7.1 Copying Customized Data Files

Office Server Version 5.0 uses modified versions of several data files:

- In the base area:
  - OAFC_SERVER_MASTER.DAT, the File Cabinet Server master file
- Files which have not been converted but their records have changed or new ones have been added:
  - CM$SDC
  - CM$CART$RUNS.DAT
  - SM_ACCOUNT_TYPES.DAT

Before upgrading, make copies of any data files that you have customized as new versions of data files are provided with Office Server Version 5.0. You must also return the data files to the Compaq standard format before you upgrade.

1.8 Using the MAILbus 400 MTA and DIGITAL X.500

You can install a new Office Server Version 5.0 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 Office Server Version 5.0 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 Office Server 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 *Compaq Office Server Planning and Setup Guide*.

1.9 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 Office Server mailbox for the node (or cluster) on which you are installing Office Server. See Section 1.9.1.

2. Create an entry for the remote Message Router node in the network nodes database on the local machine on which you are installing Office Server.
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.

1.9.1 Create an Office Server 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 Office Server the Office Server mailbox name will be A1.

If the remote Message Router is not in the same VMScluster, other Office Server 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 Office Server. `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 Office Server 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.

1.10 Running the Preinstallation System Check

The Office Server Version 5.0 installation procedure provides a Perform all preinstallation checks (PC) option. Compaq recommends that you use this option before installing Office Server Version 5.0 to ensure that you have made all necessary system changes before installing the software.

You can use this option while an existing Office Server 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 1.10.1 describes the types of errors that are detected. Section 1.10.2 describes how to use the Perform all preinstallation checks (PC) option.

1.10.1 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

1.10.2 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.

If you are migrating from MailWorks, the MailWorks migration tool is installed as part of the installation desribed in Table 2–2.

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.

1.11 Final System Preparation Tasks: New Installations

To prepare your system for a new Office Server Version 5.0 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 1.13.

1.12 Final System Preparation Tasks: Upgrade Installations

For an upgrade installation from Office Server Version 4.0, 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 Office Server. See Section 1.12.1.
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 1.12.2.
4. Start the queue manager, if necessary.
5. Back up the system disk and any target disks. See Section 1.13.

1.12.1 Shut Down Office Server

Ask users currently on the system to log out, and then shut down Office Server.

Note

Office Server 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.

1.12.2 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.

1.13 Back Up Your System and Target Disks

Compaq 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 Office Server 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 Office Server Version 5.0 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 Office Server Version 5.0 base, language and market components. The following installation examples are given:

- A new installation of Office Server Version 5.0 on an Alpha system with the MAILbus 400 MTA and DIGITAL X.500. See Section 2.1.
- Upgrade installation of Office Server Version 4.0 to Office Server Version 5.0 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 *Compaq Office Server Planning and Setup 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?	A1050
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 Office Server Version 4.0 with Message Router.

Table 2–2 Installation Procedure for New and Upgrade Installations

Step	Action
1	Create a log file for the installation. Compaq 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 CD that contains the software kit.

3	Invoke the VMSINSTAL procedure from the SYSTEM account.
	Enter the following commands:
	`$ SET DEFAULT SYS$UPDATE`
	`$ @VMSINSTAL A1050 device`
	To use an alternate working device (AWD), enter the following command lines:
	`$ SET DEFAULT SYS$UPDATE`
	`$ @VMSINSTAL A1050 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$. `A1050` is the product identifier and `disk` is the location of the alternate working device.

(continued on next page)

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

Step	Action

4	Verify your system backup.
	`OpenVMS VAX Software Product Installation Procedure V6.2`
	`It is 19-MAR-1997 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.

For installation type	Go to
New	Step 5
Upgrade	Step 8

5	New Installation: Enter the number for the type of installation that you want to do.
	`Logical OA$IMAGE is not defined.`
	`No Office Server image can be found using the default specification.`
	`Using the FULL Office Server V5.0 kit, the following installation types can be performed:`
	`(1) A new installation of Office Server V5.0`
	`(RL) Register licenses for pre-requisite software`
	`(MM) Install MailWorks Migration Tool`
	`* Which installation do you wish to perform [1]:`
	Enter 1 to install a new Office Server system.

6	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.

(continued on next page)

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

Step	Action
7	New installation: Specify whether you want a File Cabinet only system. `* Do you wish to install Office Server as a File Cabinet Only system [NO]?` You should be aware that if you answer Y any future installation will take this option automatically. If, after installing Office Server as a File Cabinet only system, you want to revert to a full Office Server system, you will need to contact your Compaq Support Center. Press RETURN to install a full Office Server system. To continue: go to Step 11.

8	Upgrade Installation: Enter the number for the type of installation you want to perform.
	`The current product image identification is V4.0A.`
	`Using the FULL Office Server V5.0 kit, the following installation types can be performed:`
	`(1) Upgrade of Office Server V4.0A to Office Server V5.0`
	`(2) Add, upgrade, or update Alpha components for an Office Server V5.0 system`
	`(RL) Register licenses for pre-requisite software`
	`(MM) Install MailWorks Migration Tool`
	`* Which installation do you wish to perform [1]: ?`
	Enter `1` to upgrade an existing Office Server system.
	If you are running Office Server in a single-architecture VMScluster, you are not offered option `(2)`.

(continued on next page)

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

Step	Action

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.

10	Upgrade installation: Specify whether you want a File Cabinet only system. This question is asked only for upgrades to full Office Server systems. If the system you last installed was a File Cabinet only system, this question is not displayed. `* Do you wish to install Office Server as a File Cabinet Only system [NO]?` You should be aware that if you answer Y any future installation will take this option automatically. If, after installing Office Server as a File Cabinet only system, you want to revert to a full Office Server system, you will need to contact your Compaq Support Center. Press RETURN to install a full Office Server system.

11	In some cases, the following licensing question may be displayed:
	`%A1-I-NOLICENSE, No license PAK was found for this product so it is assumed`
	`%A1-I-NOLICENSE, that you are using Client Access Licensing (CAL)`
	`* Do you have enough CALs licenses to run this system? [YES]`
	`* How many CALs licenses do you have:`
	Enter the number of CALs licenses that you have for this system.

12	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.

(continued on next page)

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

Step	Action
13	If DATATRIEVE is already installed, indicate whether you want to integrate DATATRIEVE with Office Server. `DATATRIEVE can be integrated into Office Server. On VAX systems with Deferred image activation enabled the DATATRIEVE image will be deferred. If you use the standard DATATRIEVE image SYS$SHARE:DTRSHR.EXE then you can select to dynamically activate DATATRIEVE. You will still be able to use DATATRIEVE within Office Server, but you will avoid any performance impact of having it physically linked with the Office Server image.`  `* Do you want to integrate DATATRIEVE with Office Server [NO]?`  Press RETURN if you do not want to integrate DATATRIEVE.  If you want to integrate DATATRIEVE, enter `Y`. You are prompted to supply the name of the DATATRIEVE image that you want to link with. If you are using the standard DATATRIEVE image, SYS$SHARE:DTRSHR.EXE, you are asked if you want to dynamically activate DATATRIEVE during the Office Server startup. It is recommended that you do.

(continued on next page)

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

Step	Action

14	If you are using a license that allows WPS–PLUS (CALs licenses do not allow WPS–PLUS), indicate whether you want to install WPS–PLUS with Office Server. 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 Office Server 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 Office Server [NO]?`
	
	Enter YES to install WPS–PLUS. You are then asked if you want to install the graphics and page overlay samples:
	
	`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 Office Server library directory.`
	
	`* Do you want these graphics copied to the OA$LIB directory [NO]?`
	
	Press RETURN if you do not want to copy the files.
	
	Enter `Y` to copy the files.

15	Indicate whether to you want to build a multilanguage system.
	
	`If you wish to use more than one Office Server 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.
	`Office Server allows you to select a default date format for each language you have installed. This will become the default Office Server 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 Office Server users. `* What will be the greatest number of simultaneous users:` Upgrade installation A default value is given. Press RETURN to accept the default value. New installation Specify the maximum number of Office Server users that you expect at any one time. (This principally affects VT access.) 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 21.

19	New installation: Specify a batch queue for starting the AIDA and File Cabinet Servers, and the Sender and Fetcher processes.
	`* A running batch queue on this node is needed 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.

20	New installation: Specify whether you are migrating from MailWorks, and, if you are, whether you want to use MailWorks folder names.
	`If you are not migrating from a MailWorks system, press Return to continue.`
	`If you are migrating from a MailWorks system, you may wish to continue to use the default MailWorks folder names. If so, please type "?" to see the help before answering the next question`
	`*Do you want to use the default MailWorks folder names?`
	Enter Y if you want to use default MailWorks folder names.

(continued on next page)

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

Step	Action

21	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.
	`Electronic Messaging can be used to 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, Office Server 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 29
Are installing a new Office Server system with DIGITAL X.500 and the MAILbus 400 MTA	Step 22
Are upgrading with Message Router	Step 23

(continued on next page)

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

Step	Action

22	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 successfully process your mail until you have completed all the set up tasks described in the Planning and Setup Guide.`
	
	`If you answer NO to this question, Office Server 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 not make any difference to the installation if the MAILbus 400 MTA is installed on the same node as Office Server 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 *Compaq Office Server Planning and Setup Guide*.
	
	To continue: Go to Step 26.

23	Upgrade Installation: Confirm that you want to use Message Router for remote mail. Office Server 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. Office Server 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 Office Server 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
24	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.

25	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 Office Server. 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 Office Server 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
26	Indicate the type of Mail Directory support that you want. For new installations where DIGITAL X.500 or an LDAP X.500 directory service 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
An X.500 LDAP Directory Service as the Mail directory	L

When you are installing with DIGITAL X.500, it does not matter whether DIGITAL X.500 is installed on the same node as Office Server 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 29.

27 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 29.

(continued on next page)

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

Step	Action

28	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.

29	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 Tru64 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-Office Server 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 Office Server system.

(continued on next page)

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

Step	Action
30	System checking. The installation procedure checks mandatory and optional software prerequisites. You may be asked additional questions depending on the software and licenses 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.

31	Indicate if you want client applications to connect to Office Server 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 Office Server 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 Office Server 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.

32	System checking. The installation procedure checks system parameters, quotas and identifiers. For new installations, the Office Server identifiers are created. The identifiers already exist for upgrade installations.
33	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 Appendix D.

(continued on next page)

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

Step	Action

34	If your language kit contains a dialect component, you will be asked to 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 Appendix D.
	The installation procedure continues with system checking.

For installation type	Go to
New	Step 35
Upgrade	Step 36

(continued on next page)

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

Step	Action

35	New Installation: Specify the devices for the Office Server areas. The initial default is the non-system disk with the most space.
	`* Which device will hold the Office Server shared library files:`
	`* Which device will hold the Office Server shared data files [A1DISK1:]:`
	`* Which device will hold the Office Server ENGLISH language files [A1DISK1:]:`
	`* Which device will hold the Office Server mail area SDAF file [A1DISK1:]:`
	`* How many shared directories do you want to create [1]:`
	`* Which device will hold the Office Server shared directory SHARE1 [A1DISK1:]:`
	`* Which device will hold the Office Server lexicon files [A1DISK1:]:`
	For shared directories, Compaq recommends that you select the default value at installation time and then create additional shared directories after the installation, following the instructions in the *DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book).
	If lexicon files have already been installed by another product, you are not asked the question about lexicon files.

36	Enter the market code. (This is defaulted for an upgrade.) `* Enter market code for this installation (2 characters): US` Enter the two-letter market code for the installation. See Appendix D. **Installation type** / **Go to** New — Step 37 Upgrade — Step 44

(continued on next page)

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

Step	Action

37	New Installation: Specify an OpenVMS account and password for the Office Server 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 ...`
	
	`Creating an OpenVMS account for the Office Server manager.`
	
	`* What OpenVMS username do you want to use for Office Server Manager account [OFFICE]:`
	`* Enter a password for the Office Server Manager account:`
	
	`* Please confirm the password which you specified:`

38	New Installation: Enter a system group UIC and default device and directory for the Office Server manager. Do not create the Office Server manager's account in a subdirectory of an OpenVMS system directory.
	
	`* What UIC do you want to use for Office Server Manager account:`
	`* What default device do you want to use for the Office Server Manager's account`
	
	`[A1DISK1:]`
	`* What default directory do you want to use for Office Server Manager's account?`
	
	`[OFFICE:]`

39	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:`

40	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 SCRIPT SYMBIONT account:`

(continued on next page)

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

Step	Action

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

42	If you are prompted, enter a UIC for the WEB$ACCESS account. You are prompted only if WEB$ACCESS does not already exist. WEB$ACCESS is created automatically in a new installation. The account is used to control access to the File Cabinet drawers by the Compaq Office Server Web Interface and the IMAP and POP3 Servers. The WEB$ACCESS account is not used for interactive logins, so you will no be asked for a password. `* What UIC do you want to use for WEB$ACCESS account:`

43	New Installation: Specify the top-level directories for the Office Server areas.
	`* Enter top-level directory required for the shared library files [OFFICE]:`
	`* Enter top-level directory required for the shared data files [OFFICE]:`
	`* Enter top-level directory required for all ENGLISH language files [OFFICE]:`
	`* Enter top-level directory required for the mail area SDAF file [OFFICE]:`
	`* Enter the name required for the SHARED DIRECTORY on A1DISK1: [OFFICE]:`
	Go to Step 46 to continue.

44	Upgrade Installation: Enter the OpenVMS username for the Office Server manager's account. `* What is the existing OpenVMS username for the Office Server account [ALLIN1]:` Enter the OpenVMS username for the Office Server account. The account details are displayed.

(continued on next page)

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

Step	Action
45	Upgrade Installation: Confirm that the details of the Office Server manager's account are correct. `* Are all the specified account's characteristics correct [YES]?` Press RETURN if all the information is correct.
46	If you choose to, you can run the IVP (Installation Verification Procedure). `* Do you want to run the IVP after the installation [NO]?` Enter Y if you want to run the IVP. All the installation questions have now been completed. If you are installing Office Server Version 5.0 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 Office Server Version 5.0 installation on an Alpha system in the same VMScluster
Alpha architecture support	A new or upgrade Office Server Version 5.0 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 Office Server configuration file, OA$DATA_SHARE:A1CONFIG.DAT, on the system where you have already installed a new Office Server Version 5.0 system or upgraded to an Office Server Version 5.0 system. You will be asked for this information during the installation.
2. Run the script, OA$LIB:SM_CHECK_SYS$SYSDEVICE.SCP, to check for logicals containing SYS$SYSDEVICE.
3. From the Office Server manager's account on the node where Office Server is already installed, run the script, OA$LIB:SM_CHECK_SYS$SYSDEVICE.SCP:

```
$ SET HOST 0/LOG=filename
$ OFFICESERVER/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:

- Office Server Version 5.0 is already installed on an Alpha system in the same VMScluster.
- WPS–PLUS is installed on the Alpha system.
- Office Server 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.

```
The current product image identification is V4.0A.

Using the FULL Office Server V5.0 kit, the following installation types
can be performed:

  (1)  Upgrade Office Server V4.0A to Office Server V5.0

  (2)  Add, upgrade, or update VAX components for an
       Office Server V5.0 system

  (RL) Register licenses for pre-requisite software

  (MM) Install MailWorks Migration Tool

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

Press RETURN to upgrade VAX components for an existing Office Server Version 5.0 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.
	`Logical OA$IMAGE is not defined.`
	`No product image can be found using the default specification.`
	`Using the FULL Office Server V5.0 kit, the following installation types can be performed:`
	`(1) A new installation of Office Server V5.0`
	`(2) Add, upgrade, or update VAX components for an Office Server V5.0 system`
	`(RL) Register licenses for pre-requisite software`
	`(MM) Install MailWorks Migration Tool`
	`* 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 Office Server configuration file, for Office Server Version 5.0 on the existing system.
	`You have chosen an architecture only installation. To continue you must specify the location of the existing 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 Office Server 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 A1V50START.COM to define the logicals`
	`-A1-I-DEFLOG, from your existing Office Server V4.0 Alpha system.`
	`Defining language independent logical names`
	`Defining ENGLISH language logical names`

10	Where possible, the VAX architecture-only installation matches the configuration of Office Server that is already installed on the Alpha system. The informational messages that are displayed will depend on the existing configuration.
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.
12	System checking for existing Office Server configuration. The informational message depends on your existing configuration, for example: `During your Office Server installation on Alpha you chose to install Office Server 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
13	System checking for existing Office Server configuration. The informational message depends on your existing configuration, for example: `Office Server on the Alpha is linked as a MULTI-LANGUAGE system, therefore Office Server on this VAX will also be linked the same way.`
14	Specify the greatest number of simultaneous Office Server users. `* What will be the greatest number of simultaneous users:` Upgrade Installation: A default value is given. Press RETURN to accept this default value. New Installation: Specify the maximum number of Office Server users that you expect at any one time. (This number refers predominantly to VT users.) The installation procedure uses this entry to check that system parameters are large enough to support your intended number of users.

15	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 Office Server 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 Office Server system will be configured`
	`-A1-I-LOCMR, to use a local Message Router`
	`%A1-I-DIROPP, Your Alpha Office Server 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`
	`.`
	`.`
	`.`

(continued on next page)

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

Step	Action

16	Indicate if you want client applications to connect to Office Server 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 Office Server 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 Office Server 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.

17	System checking. The installation procedure checks system parameters, quotas and identifiers.
18	Enter the language code. `* Enter language code for this installation (2 characters): US` Enter the two-letter language code for your language component. See Appendix D.

(continued on next page)

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

Step	Action

19	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]:`

20	Enter the market code. `* Enter market code for this installation (2 characters): US` Enter the two-letter market code for the installation. See the Appendix D.
21	Enter the name of the OpenVMS account for the Office Server manager. `* What is the existing OpenVMS username for the Office Server account [OFFICE]:` The account details are displayed.
22	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.
23	Run the IVP (Installation Verification Procedure). `* Do you want to run the IVP after the installation [NO]?` Enter YES if you want 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 Office Server logicals and logicals created during the installation
- Runs the Office Server startup procedure, A1V50START.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, OAFC_SERVER_MASTER.DAT is updated.

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 Office Server Version 5.0 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 Office Server Version 5.0 Alpha system that is configured as a multilanguage system.

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. Compaq 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 CD that contains the language software kit.

3	Invoke the VMSINSTAL procedure from the SYSTEM account.
	Enter the following commands:
	`$ SET DEFAULT SYS$UPDATE`
	`$ @VMSINSTAL A1LUS050 device`
	To use an alternate working device (AWD), enter the following command lines:
	`$ SET DEFAULT SYS$UPDATE`
	`$ @VMSINSTAL A1LUS050 device OPTIONS AWD=disk`
	`device` is the device on which you have mounted the CD. You can use a physical or a logical device name but do not use logical device names beginning with A1$, OA$, or OA1$. `A1LUS050` 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 V6.2`
	`It is 14-FEB-1997 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	Enter the number for the type of installation you want to do.
	`The current product image identification is V4.0A.`
	`Using the LANGUAGE-only Office Server V5.0 kit, the following installation types can be performed:`
	`(1) Install new Office Server V5.0 additional language`
	`(2) Upgrade Office Server V4.0A additional language`
	`(3) Update Office Server V5.0 additional language`
	`(4) Add, Upgrade or Update Alpha architecture specific components of an existing Office Server V5.0 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 Office Server Version 5.0 language.

6	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.

7	Supply information about optional software as appropriate.
	`During your first language installation you chose to integrate WPS-PLUS, therefore you will be able to use WPS-PLUS as an additional editor from your Office Server 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 Office Server library directory [NO]?`
	Enter `Y` to copy the WPS–PLUS graphics library to the Office Server directory.

(continued on next page)

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

Step	Action

8	Select a default date format.
	`Office Server allows you to select a default date format for each language you have installed. This will become the default Office Server 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 Appendix C (or, if not US or GB, the documentation provided with your kit) for more details about date formats.
	The installation procedure now does system checks.

9	Enter the language code. `* Enter language code for this installation (2 characters): US` Enter the two-letter language code for your language component. See Appendix D.

(continued on next page)

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

Step	Action

10	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 Appendix D.

11	Specify the device for the additional language files. `* Which device will hold the Office Server BRITISH language files:` Enter the device name.
12	Enter the OpenVMS username for the Office Server manager's account. `* What is the existing OpenVMS username for the Office Server account [OFFICE]:` The details of the account are displayed.
13	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.
14	Specify the top-level directory for the Office Server additional language files. `* Enter the top-level directory required for all BRITISH language files [BRITISH]:`

(continued on next page)

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

Step	Action
15	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 Office Server 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 Office Server manager's account on the node where you have already installed Office Server, run the script, OA$LIB:SM_CHECK_ SYS$SYSDEVICE.SCP:

```
$ SET HOST 0/LOG=filename
$ OFFICE/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.

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 Office Server 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 Office Server V5.0 kit, the following installation types can be performed:`
	`(1) Install new Office Server V5.0 additional language`
	`(2) Upgrade Office Server V4.0A additional language`
	`(3) Update Office Server V5.0 additional language`
	`(4) Add, upgrade, or update VAX components for an Office Server V5.0 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 Office Server Version 5.0 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 Office Server configuration file, for the existing Office Server Version 5.0 system.
	
	`You have chosen an architecture only installation. To continue you must specify the location of the existing Office Server 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 A1V41START.COM to define the logicals`
	`-A1LUS-I-DEFLOG, for your existing V4.0 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.

10	Configuration checking.
	
	You may be asked questions depending on the configuration of Office Server on the Alpha system.
	
	`This VAX architecture only installation will where possible match the configuration of Office Server already installed on the Alpha system.`
	
	`During your Office Server installation on Alpha you chose to install Office Server with WPS-PLUS, therefore WPS-PLUS will also be installed during this VAX architecture only installation.`

(continued on next page)

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

Step	Action
11	Select a default date format.

```
    Office Server allows you to select a default date format for each language

    you have installed. This will become the default Office Server 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]:
```

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 Appendix D.

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.

(continued on next page)

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

Step	Action
14	Enter the name of the OpenVMS username of the Office Server manager's account. `* What is the existing VMS username for the Office Server account [OFFICE]:` The account details are displayed.
15	Confirm that the account details are correct. `* Are all the specified account's characteristics correct [YES]?` Press RETURN if the account information is correct.
16	If you want to, run the IVP (Installation Verification Procedure). `* Do you want to run the IVP after the installation [NO]?` Enter YES if you want 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 Office Server Version 5.0 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 Errors

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.

4.2 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 Office Server. 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.

4.2.1 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.

4.2.2 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.

4.2.3 Full Installations

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

4.2.4 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 1.6.2.

4.3 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 Office Server 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:A1V50START.COM:

     Creating logical names
   - Automatic postinstallation procedures

     Installing image files
     Compiling and installing form libraries
4. Make sure that the Office Server 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 or disks 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 Office Server privileges are set to YES.

4.3 Error Messages when Running the IVP

- The IVP user directory points to the disk and subdirectory that you specified for the Office Server manager's account. For example:

  ```
  a1device:[OFFICE.IVPUSER]
  ```

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

- The Office Server account, IVP, is accessed from the Office Server manager's OpenVMS account.

7. Run Office Server and try to use those areas that failed during the IVP to find more information on the error.

   Log in to the Office Server manager's IVP account:

   ```
   $ OFFICE /USERNAME=IVP
   ```

   Manually execute each IVP test as described in *DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book).

   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 Office Server at a level which is normally customization-independent. However, if you have customized the Phone Directory subsystem of Office Server, the display graphics (IDG) procedure may fail. This is a demonstration test used to exercise the terminal graphics as a typical application.

4.4 IVP Failure

If the IVP fails, the following messages are displayed:

```
The Office Server V5.0 Installation Verification Procedure failed.
%VMSINSTAL-E-IVPFAIL, The IVP for Office Server V5.0 has failed.
```

5
Postinstallation Tasks

This chapter describes the tasks that you must do to complete the setup of Office Server. 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 Office Server manager must do to set up the users' working environment before Office Server is used. These tasks are explained in detail in the *DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book)

You must run postinstallation from the node on which you are running Office Server.

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 Office Server on all nodes in a VMScluster system	Full, upgrade or additional architecture	See Section 5.2
Create or modify the Office Server 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 5.9
Migrate SITELINK40.com to SITELINK50.COM using Customization Management	Upgrade, additional language and architecture support	Section 5.10

(continued on next page)

5.1 Checklist of Manual Postinstallation Tasks

Table 5–1 (Cont.) Postinstallation Tasks

Task	Type of Installation	Information
Link Office Server to include code-level customizations	Upgrades of code-level customized systems and additional architecture if also installed	Section 5.11
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 5.12. For upgrade or new installations with Message Router, see Section 5.13.
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 5.14.
Move the CDA DOC_STYLE files to a suitable location, if necessary	If CDA$LIBRARY does not exist on your system	Section 5.15
Add the ADMIN form library to the AIDA library search list, if necessary	Upgrade from ALL–IN–1 Version 3.1, if you are using OA$LIB:AIDA.A1$LSO to define AIDA library search orders	Section 5.16

(continued on next page)

5.1 Checklist of Manual Postinstallation Tasks

Table 5–1 (Cont.) Postinstallation Tasks

Task	Type of Installation	Information
Set up the user environment	Full or upgrade	*DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book)
Tune the File Cabinet Servers	Full or upgrade	*DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book)
Decide how many mail Sender and Fetcher processes to run	Full or upgrade	*DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book)

5.2 Start Office Server on all Nodes in a VMScluster System

The Office Server startup procedure, SYS$STARTUP:A1V50START.COM, is supplied with Office Server and is executed automatically on the node used for the installation, once the installation has completed successfully.

If you are running Office Server on a VMScluster you must also run SYS$STARTUP:A1V50START.COM on each node in the cluster in order to start Office Server. If you run A1V50START.COM manually from the DCL prompt, you must include the location of the Office Server configuration file, OA$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 Office Server, you must define new system logical names on each node in the cluster. For further information about running Office Server on a VMScluster, see the *DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book).

5.3 Create or Modify the Site-specific Office Server Startup Procedure

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

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

- A language-independent startup command procedure called A1V50_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 Office Server 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 Office Server Version 5.0 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 A1V32_SITE_START.COM to A1V50_SITE_START.COM.

5.4 Edit the Site-specific Startup Procedure

When you run A1V50START.COM from the DCL prompt, you must include the location of the Office Server 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 Office Server startup procedure in the OpenVMS site startup procedure, you must specify the location of the A1CONFIG.DAT file:

```
$ @SYS$STARTUP:A1V50START.COM location
```

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 Office Server data files and `directory` is the top-level directory that you specified for the Office Server data files.

5.4 Edit the Site-specific Startup Procedure

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 Office Server prerequisite products are started before Office Server. This includes messaging software, DEC Notes, and DECwindows/Motif if you are using CDA converters with Office Server.

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

If you have installed a new Office Server system with DIGITAL X.500 and the MAILbus 400 MTA, you must ensure that the prerequisite messaging products are started before Office Server. 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 Office Server systems using Message Router, you must ensure that the Message Router software is started before Office Server.

As an example, Table 5–2 describes how to edit the OpenVMS site-specific startup file to include the Office Server startup procedure after an upgrade installation from ALL–IN–1 Version 3.2. This ensures that the Office Server 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$STARTUP:A1V50START.COM location`[2]
Upgrade from Office Server Version 4.0 and addition of second architecture (unless you are using common startup files)	Change the line `$ @SYS$STARTUP:A1V40START.COM location`[2] to `$ @SYS$STARTUP:A1V50START.COM location`[2]
If you are running a remote Message Router and using the Message Router Directory Service	Add the following entry *before* the entry for the Office Server startup procedure: `$ @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 Office Server configuration file, OA$DATA_SHARE:A1CONFIG.DAT.

5.5 Replace the DCLTABLES on Cluster Systems

If you installed Office Server Version 5.0 on a VMScluster system, you must replace the DCLTABLES on any nodes in the cluster where you are not installing Office Server Version 5.0. 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 Office Server Version 5.0. The Office Server installation procedure replaces the tables automatically for the node on which you are installing Office Server Version 5.0.

5.6 Delete Files That Are No Longer Required

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

- For an Office Server Version 4.0 upgrade:

  SYS$HELP:A1040.RELEASE_NOTES or
  SYS$HELP:A1Llang040.RELEASE_NOTES
  SYS$HELP:A1Cmarket040.RELEASE_NOTES, if available
  SYS$STARTUP:A1V40START.COM

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 Office Server 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 Office Server Version 4.0 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.

5.8 Recompile Form Libraries

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 *DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book).

5.9 Migrating Your Customizations After Upgrading

Immediately after installing Office Server Version 5.0, and before allowing your users to access Office Server, review your customizations to mandatory elements.

You can rerun the CART after installing Office Server Version 5.0 using the Check Conflicts (CC) option from the Application Maintenance menu. When you run the CART from within Office Server, 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.

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_V40$PRIMARY to CM_CART_SUMMARY_V40$PRIMARY_19SEP. 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.

5.9 Migrating Your Customizations After Upgrading

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 Office Server Version 5.0.
5. Review conflicts with elements reported with status code D, see the *Compaq Office Server Planning and Setup Guide*. Status code D indicates a customization that calls an element which has been removed from Office Server Version 5.0.

   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 5.9.2. Edit the command procedure DELETE_OBSOLETE_FILES.COM so that these elements are not deleted. Use Customization Management to create a new customized element to replace the referenced base element that no longer exists in Office Server Version 5.0.

   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 Office Server Version 5.0. When it is convenient, resolve the conflicts for informational elements.

5.9.1 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 *DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book). 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 5.9 which describes how to resolve conflicts for elements reported with status code D.

5.9.2 Deleting Obsolete Files

A command procedure, DELETE_OBSOLETE_FILES.COM, is provided to remove the files that are no longer required by Office Server Version 5.0.

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.

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 Office Server system. If you have additional languages installed on your system, you can run this procedure for each additional languages.

5.9.3 Replacing the Help Modules for Your Application

For more information about customizing Help, see the *ALL–IN–1 Application Programming: Guide*.

After the upgrade, copy the Office Server Version 5.0 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 Office Server 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.

5.10 Migrate SITELINK40 Using Customization Management

The SITELINK50.COM file is under the control of Customization Management. It is important that you check that any customizations to SITELINK40.COM are compatible with SITELINK50.COM.

Use Customization Management to edit the base template version of the site link file, SITELINK50.COM, to include your previous SITELINK40.COM from OA$SITE_BUILD. Review your customizations to SITELINK50.COM and then move your customized version to LIVE. Review your customizations to make sure they are compatible with Office Server Version 5.0. Do not relink Office Server until you have done this. See Section 5.9.

It is recommended that you do the following to relink:

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

5.11 Link Office Server to Include Code-level Customizations

Office Server Version 5.0 is linked during the installation without any customizations you may have made to your existing system. Therefore, it is important to relink Office Server after the installation if you wish to link with your customizations when you have checked them. See Chapter 2 of *Compaq Office Server Planning and Setup Guide*.

5.12 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 *Compaq Office Server Planning and Setup Guide*.

5.13 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 Office Server installed on the Message Router node
  - Without Office Server installed on the Message Router node
- Installed on a VAX node that is not in the same VMScluster as Office Server

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 Office Server mailbox. You may have already done this as part of your preinstallation tasks.	Section 5.13.1

(continued on next page)

5.13 Setting up Remote Mail When Using Message Router

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

Task	For Information See
If you have installed Office Server Version 5.0 on a mixed architecture cluster, you must modify the mailbox entry on the Message Router node.	Section 5.13.2
If you are using MRGATE on a remote node, set up each node that will be using MRGATE.	Section 5.13.3
Set up the remote Mail directory	Section 5.13.4 if Office Server is using a Message Router in the same VMScluster and Office Server is installed on the Message Router node
	Section 5.13.4.2 if Office Server is using a Message Router that is not in the same VMScluster or Office Server is not installed on the Message Router node
	If you are using DIGITAL X.500 after a new Office Server Version 5.0 installation with Message Router, you must follow the instructions for setting up DIGITAL X.500 in the *Compaq Office Server Planning and Setup Guide*.
Edit the site-specific startup procedure to start up the remote Mail directory.	Section 5.13.5

5.13.1 Create a Mailbox for Office Server

This section applies when Office Server 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 Office Server mailbox for your node (or cluster) requires a mailbox entry on the remote Message Router node.

To add a mailbox:

5.13 Setting up Remote Mail When Using Message Router

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`
	where:
	• `localnode` is the name of the Office Server node or cluster. The name must be unique to the Message Router system.
	• `password` is the Office Server mailbox password that you specified during the Office Server installation on the remote system.
	The password that you specify here must be the same as you specified during the Office Server installation. If you change the password when creating the mailbox, you must also change it to the same value in Office Server by using the Set operating conditions (SOC) option on the Manage Messaging menu. See *DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book).

3	Exit from the Message Router management utility: `MRM> EXIT`

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

5.13.2 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 Office Server 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.

5.13.3 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 Office Server 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.

5.13.4 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 Office Server installed, see Section 5.13.4.1.
- If the Message Router node is not in the same VMScluster or Office Server is not installed on the Message Router node, see Section 5.13.4.2.

5.13 Setting up Remote Mail When Using Message Router

5.13.4.1 Message Router is in the Same VMScluster

Read this section if Office Server is installed in the same VMScluster as Message Router and Office Server 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$DIRECT_PRIME is set to 2. If, during the installation, you chose to use the Mail directory as the secondary directory with Office Server as the primary directory, then OA$DIRECT_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 for the system on which you are installing Office Server. 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 Office Server manager. The proxy attribute of the subscriber entry is the name of the local Office Server user agent entry (OA$node$ALLIN1). This attribute gives Office Server proxy access to the manager's entry, so that Office Server 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 Office Server manager's Office Server account: `$ OFFICESERVER /USERNAME=MANAGER`

5.13 Setting up Remote Mail When Using Message Router

Step	Action

2	Enter the following commands from Office Server:
	`<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.
	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.

5.13 Setting up Remote Mail When Using Message Router

Step	Action
3	Update the user agent entry by entering the following command: `<DO OA$LIB:USERAGENT_POST` This DO script does the following: • Updates the user agent entry in OA$DATA_SHARE:UAPASSWRD.DAT with the Mail directory identity obtained from the user agent object in the Mail directory. The Office Server user agent is now available for all users. • Sets the Mail directory field in the Office Server manager's account details to Y. • Copies details from the Office Server 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 Office Server account details. • Updates the Office Server user agent object in the Mail directory with the values you supplied for organization name and location. • Creates a mail address (OA$DDS_AREA_ROUTE) that is used for all the Mail directory subscribers owned by the user agent (Office Server). The mail address comprises the name of the Office Server Message Router mailbox (OA$MTI_MAILBX), and the name of the node or cluster (OA$PRIMARY_NODE) running the Message Router to be used by Office Server. If area routing is in use at your site, the network address also includes the area code that you specified.
4	Restart Office Server 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 *DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book) for information about how to populate the Mail directory.

5.13 Setting up Remote Mail When Using Message Router

5.13.4.2 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 Office Server, or it is in the same VMScluster but Office Server is not installed on the Message Router Node.

You must create the following:

- A user agent entry name and password.
- A subscriber entry for the Office Server manager. The proxy attribute of the subscriber entry is the name of the local Office Server user agent entry (OA$node$ALLIN1). This attribute gives Office Server proxy access to the manager's entry, so that Office Server 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 Office Server 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 Office Server 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 Office Server will use to access the user agent object. It must not be more than eight characters long.

5.13 Setting up Remote Mail When Using Message Router

Step	Action

3	Create and add a subscriber entry to the Mail directory for the Office Server 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 Office Server manager's Office Server 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 Office Server user agent proxy access to the manager's subscriber entry. This enables the Office Server user agent to access and update the manager's subscriber entry on behalf of the manager.
	
	• `/SUBID="uaname"` identifies the Office Server manager's subscriber entry to Office Server, as there can be many entries called MANAGER.

4	**On the Office Server node (VAX or Alpha)**, do all the next steps from the Office Server manager's Office Server 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.

5.13 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 Office Server manager's account which contains detailed instructions on what to do next.

6 For details of populating the Mail Directory, see the *DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book).

5.13.5 Remote Message Router Directory Service Startup Procedure

On each Office Server node that will be using a remote Mail directory, add the following entry to your site-specific startup procedure *before* the entry for the Office Server 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.

5.14 WPS–PLUS Login Command Procedure

During the Office Server Version 5.0 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.

5.15 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.

5.16 Adding the ADMIN Form Library for AIDA Library Searches

If you have upgraded from an Office Server Version 4.0 system that has created a new AIDA library search order in OA$LIB:AIDA.A1$LSO, you may need to perform an additional postinstallation task.

When this file OA$LIB:AIDA.A1$LSO is present, AIDA Servers on the system use the form libraries listed in this search order rather than the standard form libraries. If you are using the default search order, you do not need to take any action as the default search order now includes the ADMIN form library.

5.16 Adding the ADMIN Form Library for AIDA Library Searches

If you are using OA$LIB:AIDA.A1$LSO to define AIDA library search orders, you must add the ADMIN form library to the list. See the section *Accessing Additional Form Libraries* in the *Managing AIDA Servers* chapter of *DIGITAL Office Server Managing from a VT Terminal* (the V4.0 book).

A

Office Server Version 5.0 Distribution Media

The Office Server kit is provided on its own CD-ROM or as part of the CD-ROM Consolidated Software Distribution.

A separate CD-ROM is provided for the Office Server Web Interface product.

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

The notes in this section apply to both the Office Server Version 5.0 CD-ROM and to the Consolidated Software Distribution CD-ROM. On the Compact Disc (CD-ROM), the base kit is in the directory A1050.KIT. The printable documentation is in a directory called A1050.DOCUMENTATION.

For the Office Server Version 5.0 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 A1lang050, where `lang` is the 2-letter code for the Office Server language that you are installing. See Appendix D for a list of codes.

The base component savesets in the A1050.KIT directory are:

```
A1050.A
A1050.B (used by VAX only)
A1050.C (used by Alpha only)
A1050.D (used by VAX only)
A1050.E (used by Alpha only)
A1050.F (used by VAX only)
A1050.G (used by Alpha only)
A1050.H (used by VAX only)
A1050.I (used by Alpha only)
A1050.J
A1050.K
A1050.L
A1050.M (MailWorks migration files)
```

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

The documentation directory, A1050.DOCUMENTATION contains ASCII (.TXT) and PostScript (.PS) versions of the following documentation:

- The *Office Server Installation Guide*, INST_GUIDE.TXT and INST_GUIDE.PS
- The Read Me First letter, READ_ME_FIRST.TXT and READ_ME_FIRST.PS
- The Software Product Description (SPD), A1050_SPD.TXT and A1050_SPD.PS.

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

- Message Router (VAX only)
- Message Router VMSmail Gateway (VAX only)
- DEC Notes

B

Office Server Version 5.0 Files and Directories

This appendix lists the files that are installed in directories other than the Office Server directories.

B.1 Files in the Office Server Kit

For a complete list of all Office Server directories and file names when the installation is complete, use the following command for each Office Server area:

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

where `a1dir` is the top level directory name for each area (for example OFFICE.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-Office Server Directories

The following list shows the files that are installed in directories other than the Office Server 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-Office Server 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)


FDVSHR.EXE (FMS image, added on new installations 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)

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

B.2 Files Installed in Non-Office Server Directories

- SYS$COMMON:[SYSEXE]

```
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

FMSFAA.EXE (FMS image added on new installations only)
FMSFCV.EXE (FMS image added on new installations on VAX machines only)
FMSFED.EXE (FMS image added on new installations only)
FMSFLG.EXE (FMS image added on new installations only)
FMSFLI.EXE (FMS image added on new installations only)
FMSFTE.EXE (FMS image added on new installations only)
FMSFUU.EXE (FMS image added on new installations only)
```

- 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)

FDVMSG.EXE (FMS image, added on new installations only)
FMSMSG.EXE (FMS image, added on new installations only)
```

- SYS$COMMON:[SYS$STARTUP]

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

- SYS$COMMON:[SYSMGR]

```
A1WPSPLUS_LOGIN.COM
```

B.2 Files Installed in Non-Office Server Directories

- SYS$COMMON:[SYSHLP.EXAMPLES]

```
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.

C
ENGLISH Kit

This supplement describes the Office Server Version 5.0 ENGLISH kit. This kit provides the language and market components for Office Server Version 5.0. This chapter lists the disk space requirements for an English language installation.

Note

This kit can be used to install American English, which is referred to as *English*, or British English, which is referred to as *British*.

To install:

- English, install the English language component.
- British, install the English language component and the British dialect component.
- The GB or the US market component with either language, see the market information in this chapter.

If your license and support agreements are for a market component other than the GB or US market component with the English language kit, see Appendix D, and the documentation provided with your kit, for the market-specific information that you need.

The language and market components are installed during the Office Server Version 5.0 installation procedure. Follow the instructions in the *Compaq Office Server Installation Guide* to install this kit.

Use the information in this supplement to plan and prepare for the Office Server Version 5.0 installation. See the *Compaq Office Server Installation Guide*.

C.1 About Your ENGLISH Kit

The ENGLISH kit has the following components:

- English language component
- US market component
- GB market component
- British dialect component

C.1.1 Distribution Media

The ENGLISH kit is supplied on compact disc (CD-ROM).

C.1.2 Savesets Provided

Table C–1 lists the savesets provided with your ENGLISH kit.

Table C–1 Savesets Provided with the ENGLISH Kit

Component	Savesets
English language	A1LUS050.A (Contains the *Release Notes Part 1: Language*)
	A1LUS050.B
	A1LUS050.C
	A1LUS050.D
	A1LUS050.E
	A1LUS050.F
	A1LUS050.G
	A1LUS050.H
	A1LUS050.I (used on VAX only)
	A1LUS050.J (used on Alpha only)
	A1LUS050.K
	A1LUS050.L
	A1LUS050.M
US market	A1CUS050.A (Contains the *Release Notes Part 2: Market*)
	A1CUSO50.B
	A1CUS050.C

(continued on next page)

Table C–1 (Cont.) Savesets Provided with the ENGLISH Kit

Component	Savesets
GB market	A1CGB050.A (Contains the *Release Notes Part 2: Market*)
	A1CGB050.B
	A1CGB050.C
British dialect	A1DUS_GB050.A and A1DUS_GB050.B

C.2 Disk Space Requirements

The values given in this section are required when you are preparing your system for installation. See Chapter 1.

C.2.1 Disk Space Required on the System Disk or Alternate Working Device (AWD)

Table C–2 gives the disk space requirement for installing all the components of the Office Server Version 5.0 kit on the system disk or alternate working device (AWD) during the installation. The values for safety and non-safety mode apply to both full and upgrade installations of Office Server Version 5.0. For more information about safety and non-safety mode, see Chapter 1.

Table C–2 Disk Space Required on the System Disk or AWD (Blocks)

Installation Type	VAX		Alpha	
	Safety	Non-safety	Safety	Non-safety
English or British as the primary language	176 000	46 200	253 000	72 600
Addition of architecture support for English or British as the primary language	60 500	34 650	137 500	72 600
English or British as an additional language	81 400	34 650	91 300	36 300
Addition of architecture support for English or British as an additional language	13 200	13 200	22 000	17 050

C.2 Disk Space Requirements

C.2.2 Disk Space for Language Files on Target Disks

This section gives the disk space requirements, in blocks, for installing the language files in Office Server areas on target disks. The following disk space tables are provided:

Type of Installation	Disk Space Table
New installation of Office Server Version 5.0 with English or British as the primary language, or English or British as a new additional language.	Table C–3.
Upgrade installation from ALL–IN–1 Version 3.2 or update of Office Server Version 5.0 with English or British as the primary language, or English or British as an additional language	Table C–4
Addition, upgrade or update of VAX or Alpha architecture support.	Table C–5.

Note

If you do not install WPS–PLUS with Office Server Version 5.0, you can decrease the disk space requirement on the language disk by approximately 2000 blocks.

Table C–3 Disk Space for Language Files: New Installation

Office Server Area	VAX	Alpha
Language disk	58 000	67 000
LCI$lexicon disk[1]	1500	1500
System disk[2]	5500	5500

[1]Only required if you install WPS–PLUS with Office Server Version 5.0.

[2]Space required to provide Office Server language files to system directories when using an alternate working device (AWD).

C.2 Disk Space Requirements

Table C–4 Disk Space for Language Files: Upgrade from Version 3.1

Office Server Area	VAX	Alpha
Language disk	12 000	21 000
LCI$lexicon disk[1]	1500	1500
System disk[2]	5500	5500

[1]Only required if you install WPS–PLUS with Office Server Version 5.0.

[2]Space required to provide Office Server language files to system directories when using an alternate working device (AWD).

Table C–5 Disk Space for Language Files: Add, Upgrade or Update Architecture Support

Office Server Area	VAX	Alpha
Language disk	6000	12 000
System disk[1]	5500	5500

[1]Space required to provide Office Server language files to system directories when using an alternate working device (AWD).

C.3 Information on the English Language Component

Table C–6 lists information about your language component.

Table C–6 Useful Information for the English Language Component

Information	Value	Used For
Product name	A1LUS050	Installation
Language name	ENGLISH	File, directory and logical names, and for the /LANGUAGE qualifier
Language code	US	During installation

C.4 Information on the British Language Component

Table C–7 lists information about the British language component.

Table C–7 Useful Information for the British Language Component

Information	Value	Used For
Product name	A1LUS050	Installation
Language name	BRITISH	File, directory and logical names, and for the /LANGUAGE qualifier
Language code	US	Installation
Dialect Code	US_GB	Installation

The British dialect component contains a United Kingdom (UK) addendum file which contains information that is specific to the UK. The file is provided in OA$LIB:UK_ADDENDUM.TXT

C.5 Information on the US Market Component

Table C–8 provides information about your US market component.

C.5 Information on the US Market Component

Table C–8 Useful Information for the US Market Component

Information	Value	Used For
Product name	A1CUS050	Installation and naming of savesets
Market name	US	Media labeling
Market code	US	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	MM/DD/YY	Office Server
WPS–PLUS date format	dd-mmm-yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency	Dollar ($)	WPS–PLUS
Decimal separator	dot (.)	WPS–PLUS
Thousand separator	comma (,)	WPS–PLUS
Page size	66	Printer settings

C.5.1 Keyboards Supported by the US Market Component

The US market component supports the following keyboard mapping tables:

```
FRENCH_A1_LK201-AA.A1KMT        FRENCH_WPS_LK201-AA.A1KMT
FRENCH_A1_LK201-AP.A1KMT        FRENCH_WPS_LK201-AP.A1KMT
FRENCH_A1_LK201-BA.A1KMT        FRENCH_WPS_LK201-BA.A1KMT
FRENCH_A1_LK201_BP.A1KMT        FRENCH_WPS_LK201-BP.A1KMT
FRENCH_A1_LK201-NA.A1KMT        FRENCH_WPS_LK201-NA.A1KMT
FRENCH_A1_LK250-AA.A1KMT        FRENCH_WPS_LK250-AA.A1KMT
FRENCH_A1_LK250-AP.A1KMT        FRENCH_WPS_LK250-AP.A1KMT

GERMAN_A1_LK201-AG.A1KMT        GERMAN_WPS_LK201-AG.A1KMT
GERMAN_A1_LK201-BA.A1KMT        GERMAN_WPS_LK201-BG.A1KMT
GERMAN_A1_LK201-BG.A1KMT        GERMAN_WPS_LK201-BA.A1KMT
GERMAN_A1_LK250-AG.A1KMT        GERMAN_WPS_LK250-AG.A1KMT

SPANISH_A1_LK201-AA.A1KMT       SPANISH_WPS_LK201-AA.A1KMT
SPANISH_A1_LK201-BA.A1KMT       SPANISH_WPS_LK201-BA.A1KMT
SPANISH_A1_LK201-BS.A1KMT       SPANISH_WPS_LK201-BS.A1KMT
SPANISH_A1_LK201-LS.A1KMT       SPANISH_WPS_LK201-LS.A1KMT
SPANISH_A1_LK250-AS.A1KMT       SPANISH_WPS_LK250-AS.A1KMT
```

A list of supported keyboards is held in OA$DATA_SHARE:OA$KEYBOARDS.DAT.

C.5 Information on the US Market Component

To invoke the keyboard mapping tables, enter:

```
$ OFFICESERVER/KEYBOARD=keyboard_mapping
```

where `keyboard_mapping` is the identity of the required keyboard.

C.5.2 Modems Supported by the US Market Component

Hayes and Hayes-compatible modems are supported.

C.6 Information on the GB Market Component

Table C–9 lists information about your GB market component.

Table C–9 Useful Information for the GB Market Component

Information	Value	Used For
Product name	A1CGB050	Installation and naming of savesets
Market name	GB	Media labeling
Market code	GB	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	DD/MM/YY	Office Server
WPS–PLUS date format	dd-mmm-yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency	Pound (£)	WPS–PLUS
Decimal separator	dot (.)	WPS–PLUS
Thousand separator	comma (,)	WPS–PLUS
Page size	66	Printer settings

C.6.1 Keyboards Supported by the GB Market Component

The GB market component supports the following keyboard mapping tables:

```
FRENCH_A1_LK201-AA.A1KMT        FRENCH_WPS_LK201-AA.A1KMT
FRENCH_A1_LK201-AP.A1KMT        FRENCH_WPS_LK201-AP.A1KMT
FRENCH_A1_LK201-BA.A1KMT        FRENCH_WPS_LK201-BA.A1KMT
FRENCH_A1_LK201_BP.A1KMT        FRENCH_WPS_LK201-BP.A1KMT
FRENCH_A1_LK201-NA.A1KMT        FRENCH_WPS_LK201-NA.A1KMT
FRENCH_A1_LK250-AA.A1KMT        FRENCH_WPS_LK250-AA.A1KMT
FRENCH_A1_LK250-AP.A1KMT        FRENCH_WPS_LK250-AP.A1KMT
```

```
GERMAN_A1_LK201-AG.A1KMT        GERMAN_WPS_LK201-AG.A1KMT
GERMAN_A1_LK201-BA.A1KMT        GERMAN_WPS_LK201-BG.A1KMT
GERMAN_A1_LK201-BG.A1KMT        GERMAN_WPS_LK201-BA.A1KMT
GERMAN_A1_LK250-AG.A1KMT        GERMAN_WPS_LK250-AG.A1KMT

SPANISH_A1_LK201-AA.A1KMT       SPANISH_WPS_LK201-AA.A1KMT
SPANISH_A1_LK201-BA.A1KMT       SPANISH_WPS_LK201-BA.A1KMT
SPANISH_A1_LK201-BS.A1KMT       SPANISH_WPS_LK201-BS.A1KMT
SPANISH_A1_LK201-LS.A1KMT       SPANISH_WPS_LK201-LS.A1KMT
SPANISH_A1_LK250-AS.A1KMT       SPANISH_WPS_LK250-AS.A1KMT
```

A list of supported keyboards is held in OA$DATA_SHARE:OA$KEYBOARDS.DAT.

To invoke the keyboard mapping tables, enter:

```
$ OFFICESERVER/KEYBOARD=keyboard_mapping
```

where `keyboard_mapping` is the identity of the required keyboard.

C.6.2 Modems Supported by the GB Market Component

Hayes and Hayes-compatible modems are supported.

D

Information on Market Components

If your Office Server license and support agreement are for a market component other than the US or GB components with the English language kit, you can find the market information that you need in this appendix. You can install the market component from the Office Server media.

For information on the US or GB components, see Appendix C

The Office Server installation procedure prompts you for the two-letter market code for the market component that you want to install. Follow the installation procedure described in Chapter 2.

For all market components, the keyboard mapping tables are invoked by entering:

```
$ OFFICESERVER/KEYBOARD=keyboard_mapping
```

where *keyboard_mapping* is the identity of the required keyboard. A list of these keywords is held in OA$DATA_SHARE:OA$KEYBOARDS.DAT (see *DIGITAL Office Server Managing from a VT Terminal*).

Each of the kits has three savesets:

- A1C*mc*050.A
- A1C*mc*050.B
- A1C*mc*050.C

where *mc* is the two-letter market code defined in the tables in this chapter, for example, BE for the Belgian market component.

D.1 Belgian Market Component

Table D–1 lists useful information for the Belgian market component of Office Server Version 5.0.

Table D–1 Useful Information for the Belgian Market Component

Information	Value	Use
Product name	A1CBE050	Installation and naming of savesets
Market code	BE	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	DD-MM-YY	Office Server
WPS–PLUS date format	dd-mmm-yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	BEF	WPS–PLUS
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	dot (.)	WPS–PLUS

D.2 Brazilian Market Component

Table D–2 lists useful information for the Brazilian market component of Office Server Version 5.0.

Table D–2 Useful Information for the Brazilian Market Component

Information	Value	Used For
Product name	A1CBZ050	Installation and naming of savesets
Market code	BZ	During installation
WPS–PLUS date format	dd-mmm-yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Office Server date format:		

(continued on next page)

Table D–2 (Cont.) Useful Information for the Brazilian Market Component

Information	Value	Used For
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	YY-MM-DD	Office Server
Currency format:		
Currency	Esc	WPS–PLUS
Decimal separator	dot (.)	WPS–PLUS
Thousand separator	comma (,)	WPS–PLUS

D.3 Canadian Market Component

Table D–3 lists useful information for the Canadian market component of Office Server Version 5.0.

Table D–3 Useful Information for the Canadian Market Component

Information	Value	Use
Product name	A1CCA050	Installation and naming of savesets
Market code	CA	During installation
Office Server date format:		
Alphanumeric	DD MMM YYYY	Office Server
Numeric	DD/MM/YY	Office Server
WPS–PLUS date format	dd mmmmmm yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	$	WPS–PLUS
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	dot (.)	WPS–PLUS

D.4 Danish Market Component

Table D–4 lists useful information for the Danish market component of Office Server Version 5.0.

D.4 Danish Market Component

Table D–4 Useful Information for the Danish Market Component

Information	Value	Use
Product name	A1CDK050	Installation and naming of savesets
Market code	DK	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	YY-MM-DD	Office Server
WPS–PLUS date format	dd-mmmmm-yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	DKK	WPS–PLUS
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	dot (.)	WPS–PLUS

D.5 Dutch Market Component

Table D–5 lists useful information for the Dutch market component of Office Server Version 5.0.

Table D–5 Useful Information for the Dutch Market Component

Information	Value	Use
Product name	A1CNL050	Installation and naming of savesets
Market code	NL	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	DD-MM-YY	Office Server
WPS–PLUS date format	dd-mmm-yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	F	WPS–PLUS

(continued on next page)

Table D–5 (Cont.) Useful Information for the Dutch Market Component

Information	Value	Use
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	dot (.)	WPS–PLUS

D.6 Finnish Market Component

Table D–6 lists useful information for the Finnish market component of Office Server Version 5.0.

Table D–6 Useful Information for the Finnish Market Component

Information	Value	Use
Product name	A1CFI050	Installation and naming of savesets
Market code	FI	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	DD-MM-YY	Office Server
WPS–PLUS date format	dd.mm.yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	mk	WPS–PLUS
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	dot (.)	WPS–PLUS

D.7 French Market Component

Table D–7 lists useful information for the French market component of Office Server Version 5.0.

D.7 French Market Component

Table D–7 Useful Information for the French Market Component

Information	Value	Use
Product name	A1CFR050	Installation and naming of savesets
Market code	FR	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	DD/MM/YY	Office Server
WPS–PLUS date format	dd-mmm-yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	FF	WPS–PLUS
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	blank ( )	WPS–PLUS

D.8 German Market Component

Table D–8 lists useful information for the German market component of Office Server Version 5.0.

Table D–8 Useful Information for the German Market Component

Information	Value	Use
Product name	A1CDE050	Installation and naming of savesets
Market code	DE	During installation
Office Server date format:		
Alphanumeric	DD.MMM.YYYY	Office Server
Numeric	DD.MM.YY	Office Server
WPS–PLUS date format	dd.mmm.yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	DM	WPS–PLUS

(continued on next page)

Table D–8 (Cont.) Useful Information for the German Market Component

Information	Value	Use
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	dot (.)	WPS–PLUS
Page size	72	Printer settings

D.9 Italian Market Component

Table D–9 lists useful information for the Italian market component of Office Server Version 5.0.

Table D–9 Useful Information for the Italian Market Component

Information	Value	Use
Product name	A1CIT050	Installation and naming of savesets
Market code	IT	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	DD-MM-YY	Office Server
WPS–PLUS date format	dd-mmm-yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	pound symbol	WPS–PLUS
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	dot (.)	WPS–PLUS

D.10 Norwegian Market Component

Table D–10 lists useful information for the Norwegian market component of Office Server Version 5.0.

D.10 Norwegian Market Component

Table D–10 Useful Information for the Norwegian Market Component

Information	Value	Use
Product name	A1CNO050	Installation and naming of savesets
Market code	NO	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	YY-MM-DD	Office Server
WPS–PLUS date format	dd.mmmmm yyyy	WPS–PLUS
WPS–PLUS time separator	dot (.)	WPS–PLUS
Currency format:		
Currency symbol	NOK	WPS–PLUS
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	dot (.)	WPS–PLUS

D.11 Portuguese Market Component

Table D–11 lists useful information for the Portuguese market component of Office Server Version 5.0.

Table D–11 Useful Information for the Portuguese Market Component

Information	Value	Use
Product name	A1CPT050	Installation and naming of savesets
Market code	PT	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	YY-MM-DD	Office Server
WPS–PLUS date format	dd-mmm-yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	Esc	WPS–PLUS

(continued on next page)

Table D–11 (Cont.) Useful Information for the Portuguese Market Component

Information	Value	Use
Decimal separator	dot (.)	WPS–PLUS
Thousand separator	colon (:)	WPS–PLUS

D.12 Spanish Market Component

Table D–12 lists useful information for the Spanish market component of Office Server Version 5.0.

Table D–12 Useful Information for the Spanish Market Component

Information	Value	Use
Product name	A1CES050	Installation and naming of savesets
Market code	ES	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	DD-MM-YY	Office Server
WPS–PLUS date format	dd-mmm-yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	Pts.	WPS–PLUS
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	dot (.)	WPS–PLUS

D.13 Swedish Market Component

Table D–13 lists useful information for the Swedish market component of Office Server Version 5.0.

D.13 Swedish Market Component

Table D–13 Useful Information for the Swedish Market Component

Information	Value	Use
Product name	A1CSE050	Installation and naming of savesets
Market code	SE	During installation
Office Server date format:		
Alphanumeric	DD-MMM-YYYY	Office Server
Numeric	YY-MM-DD	Office Server
WPS–PLUS date format	yyyy-mm-dd	WPS–PLUS
WPS–PLUS time separator	dot (.)	WPS–PLUS
Currency format:		
Currency symbol	SEK	WPS–PLUS
Decimal separator	comma (,)	WPS–PLUS
Thousand separator	dot (.)	WPS–PLUS

D.14 Swiss Market Component

Table D–14 lists useful information for the Swiss market component of Office Server Version 5.0.

Table D–14 Useful Information for the Swiss Market Component

Information	Value	Use
Product name	A1CCH050	Installation and naming of savesets
Market code	CH	During installation
Office Server date format:		
Alphanumeric	DD.MMM.YYYY	Office Server
Numeric	DD.MM.YY	Office Server
WPS–PLUS date format	dd.mmm.yyyy	WPS–PLUS
WPS–PLUS time separator	colon (:)	WPS–PLUS
Currency format:		
Currency symbol	SFr	WPS–PLUS

(continued on next page)

Table D–14 (Cont.) Useful Information for the Swiss Market Component

Information	Value	Use
Decimal separator	dot (.)	WPS–PLUS
Thousand separator	apostrophe (')	WPS–PLUS

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