

ODM Vault Server

Installation Guide

Copyright © 2009 Infor

All rights reserved. The word and design marks set forth herein are trademarks and/or registered trademarks of Infor and/or related affiliates and subsidiaries. All rights reserved. All other trademarks listed herein are the property of their respective owners.

Important Notices

The material contained in this publication (including any supplementary information) constitutes and contains confidential and proprietary information of Infor.

By gaining access to the attached, you acknowledge and agree that the material (including any modification, translation or adaptation of the material) and all copyright, trade secrets and all other right, title and interest therein, are the sole property of Infor and that you shall not gain right, title or interest in the material (including any modification, translation or adaptation of the material) by virtue of your review thereof other than the non-exclusive right to use the material solely in connection with and the furtherance of your license and use of software made available to your company from Infor pursuant to a separate agreement ("Purpose").

In addition, by accessing the enclosed material, you acknowledge and agree that you are required to maintain such material in strict confidence and that your use of such material is limited to the Purpose described above.

Although Infor has taken due care to ensure that the material included in this publication is accurate and complete, Infor cannot warrant that the information contained in this publication is complete, does not contain typographical or other errors, or will meet your specific requirements. As such, Infor does not assume and hereby disclaims all liability, consequential or otherwise, for any loss or damage to any person or entity which is caused by or relates to errors or omissions in this publication (including any supplementary information), whether such errors or omissions result from negligence, accident or any other cause.

Trademark Acknowledgements

All other company, product, trade or service names referenced may be registered trademarks or trademarks of their respective owners.

Publication Information

Document code: U7755F US

Release: Infor ERP LN 6.1

Publication date: November 09

Table of Contents

Chapter 1	Introduction	1-1
	Infor ODM Vault Server	1-1
Chapter 2	Infor ODM Vault Server Installation Overview	2-1
	The Infor ODM Vault Server Program	2-1
Chapter 3	To install the Infor ODM Vault Server	3-1
	Step-by-step Infor ODM Vault Server installation	3-1
	To install the ODM Vault Server on a Windows machine	3-2
	To install the Vault Server on a UNIX machine	3-8
	To set up the Vault Server parameter file	3-9
	To register Vault Servers in ERP LN ODM	3-9
	To start the Vault Server	3-9
	To install the Vault Server as a Windows service	3-10
	To start the Vault Server manually	3-11
Chapter 4	To configure the Vault Server	4-1
	Vault Server Parameters	4-2
	Instance control parameters	4-2
	Administrator control parameters	4-2
	Service control parameters	4-3
	Network parameters	4-3
	Directories parameters	4-4
	Logging parameters	4-5

About this Guide

This document is an Installation Guide that describes the installation and set-up procedures for Object Data Management in Infor ERP LN 6.1.

This document is divided into the following chapters:

Chapter 1, "Introduction" provides an Introduction to this Installation Guide.

Chapter 2, "Infor ODM Vault Server Installation Overview" provides an overview of the installation requirements and installation procedure.

Chapter 3, "To install the Infor ODM Vault Server" provides step by step information for the Infor ODM Vault Server installation.

Chapter 4, "To configure the Vault Server" provides the parameters for the Vault Server configuration.

Send us your comments

We continually review and improve our documentation. Any remarks/requests for information concerning this document or topic are appreciated. Please e-mail your comments to documentation@infor.com.

In your e-mail, refer to the document code and title. More specific information will enable us to process feedback efficiently.

The Object Data Management (ODM) package for Infor ERP LN uses the following software to work on files stored in document management:

- A file access control application referred to as the Vault Server (VS).

This document describes:

- The additional software needed by Infor ODM Vault Server.
- The Infor ODM Vault Server installation procedure.
- The Infor ODM Vault Server configuration procedure.

Infor ODM Vault Server

Infor ODM Vault Server includes the following additional software required to run ODM. This software includes:

Vault Server (VS)	File access control application
Vault Client	Comes as part of ODM Vault Server installation

Platforms supported:

Windows NT or 98, 2000, XP, UNIX, AS/400

Chapter 2

Infor ODM Vault Server Installation Overview

2

The Infor ODM Vault Server Program

The Infor ODM Vault Server program provides file management services to Infor ERP ODM. The installation program includes the Vault Server (VS), and the Vault Client. When any file operation is requested, BW starts the vault client on the ERP server to retrieve files from the vault, or to transfer files to the vault. The Vault Server should be running on the machine from which the files need to be retrieved or transferred.

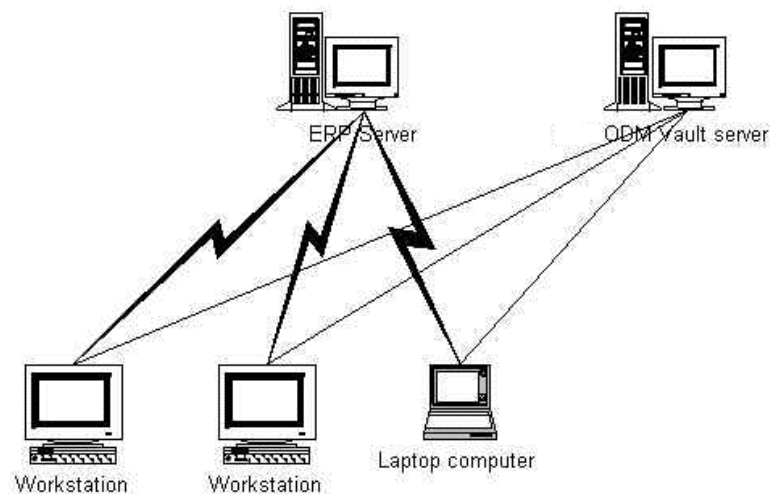


Figure 2-1 Diagram of Infor ODM Vault Server program

Chapter 3

To install the Infor ODM Vault Server

3

Step-by-step Infor ODM Vault Server installation

The Vault Server application is an automatic mechanism to control access to restricted files. The Document Management (DOC) module controls Vault Server access.

Because the Vault Server (VS) is Java compliant, you can install the VS on any operating system. The only requirement is that you must have the Java Virtual Machine installed and configured correctly.

When you start the Vault Server, the VS begins to listen for requests on one or more ports, depending on the start-up parameters. If a file operation is requested, the VS receives or transmits the file. If you expect heavy file traffic, you can start several instances of the VS or several services in the same instance.

When you start the Vault Server, the VS reads parameters from a parameter file. Each instance of the VS must have a unique parameter file.

Note: If you remove any part, or all, of the Infor ODM Vault Server package, or if you cancel the setup after the package has been installed, be sure to check the directories created for Infor ODM Vault Server, and delete any files that may have remained. If you reinstall over previously installed files, it can be difficult to delete those files in the future.

To install the ODM Vault Server on a Windows machine

- 1 Run setup.exe from the installation media. The **Welcome** dialog box appears.

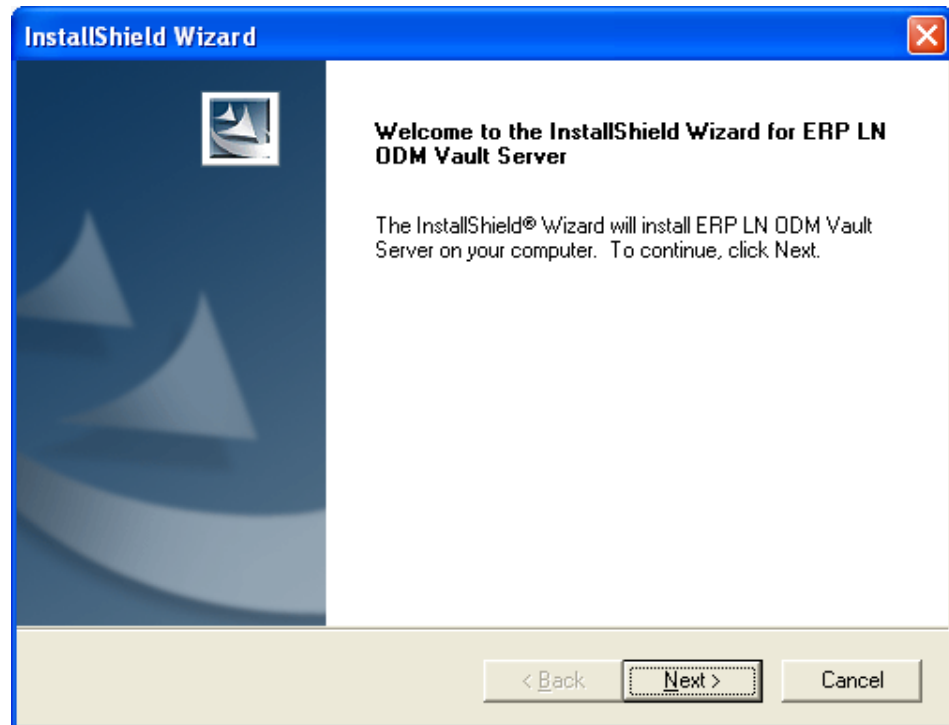


Figure 3-1 Welcome dialog box

- 2 Click **Next**.

The **License Agreement** dialog box appears.

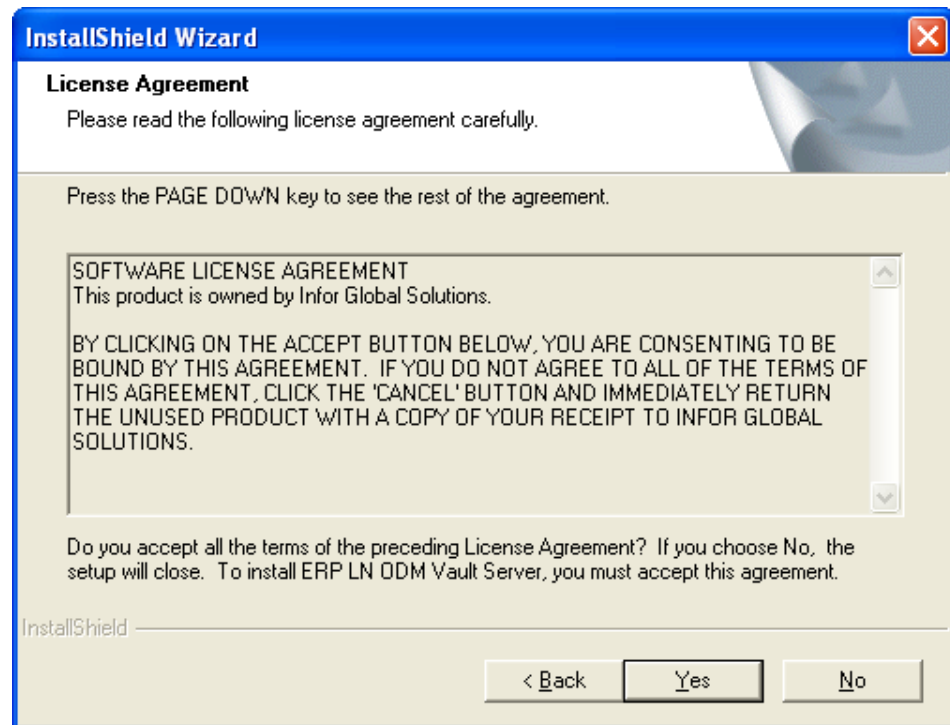


Figure 3-2 License Agreement

- 3 Read the license agreement carefully and, if you agree to the terms in the license agreement, click **Next**.

The **Information** dialog box appears.

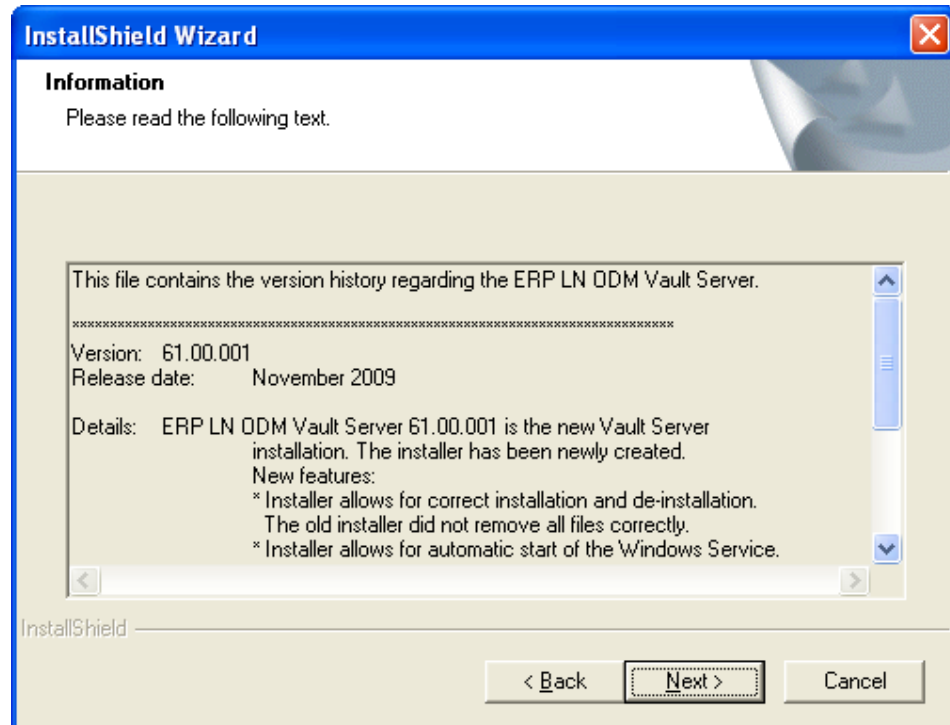


Figure 3-3 Information

- 4 Click **Next**.

The **Choose Destination Location** dialog box appears.

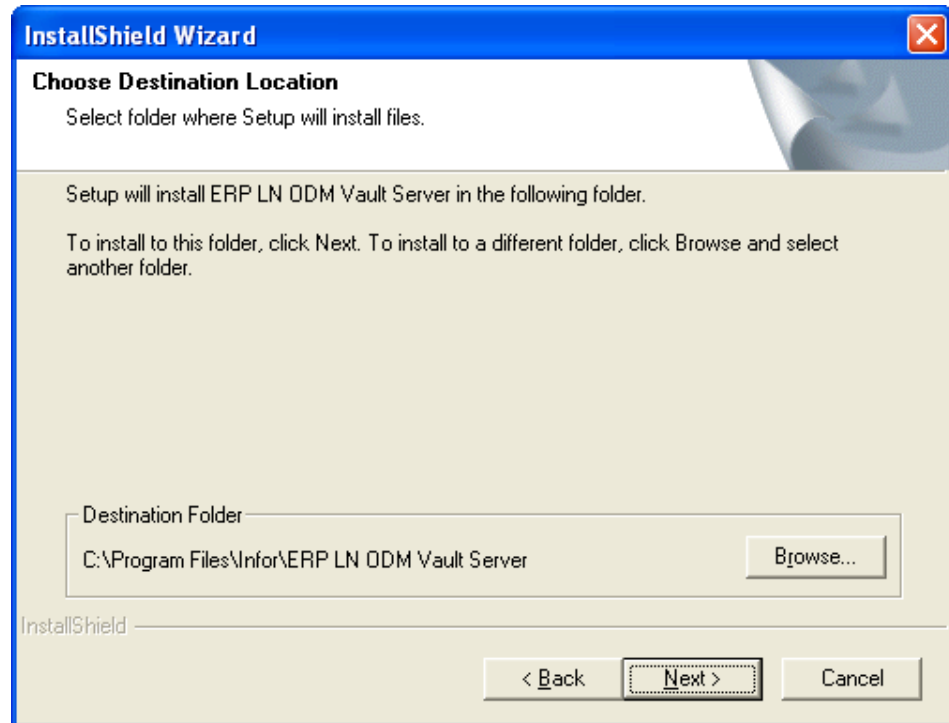


Figure 3-4 Choose Destination Location dialog box

- 5 Click **Next**.

The **Select Program Folder** dialog box appears.

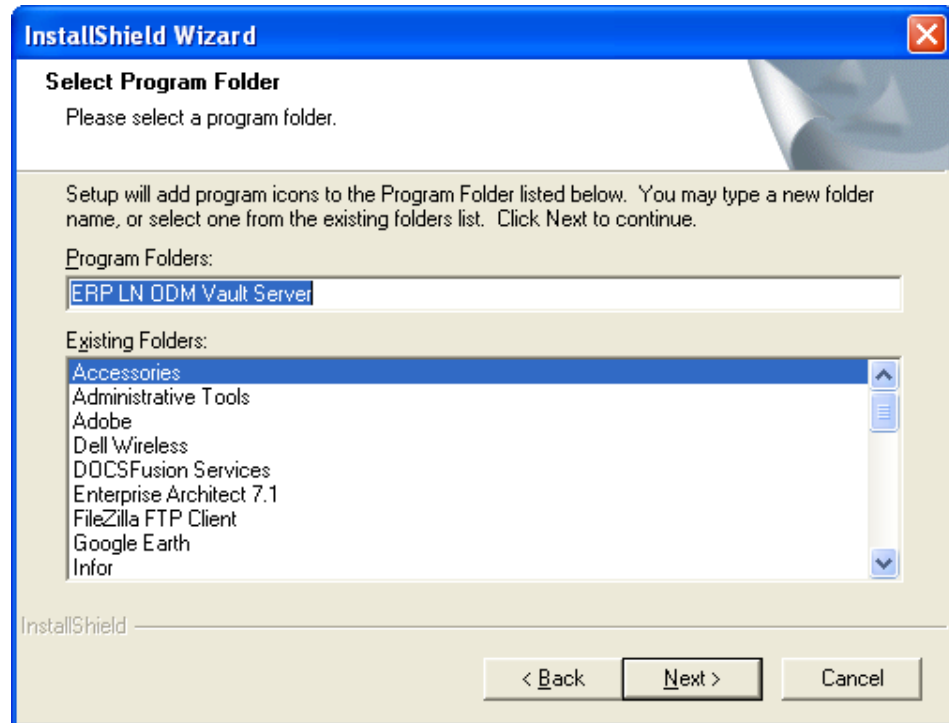


Figure 3-5 Select Program Folder dialog box

Clicking Next the installation will start. This step concludes the installation of Vault Server on a Windows machine. The next two options are configuration . First you will have an option to select the port to be used.

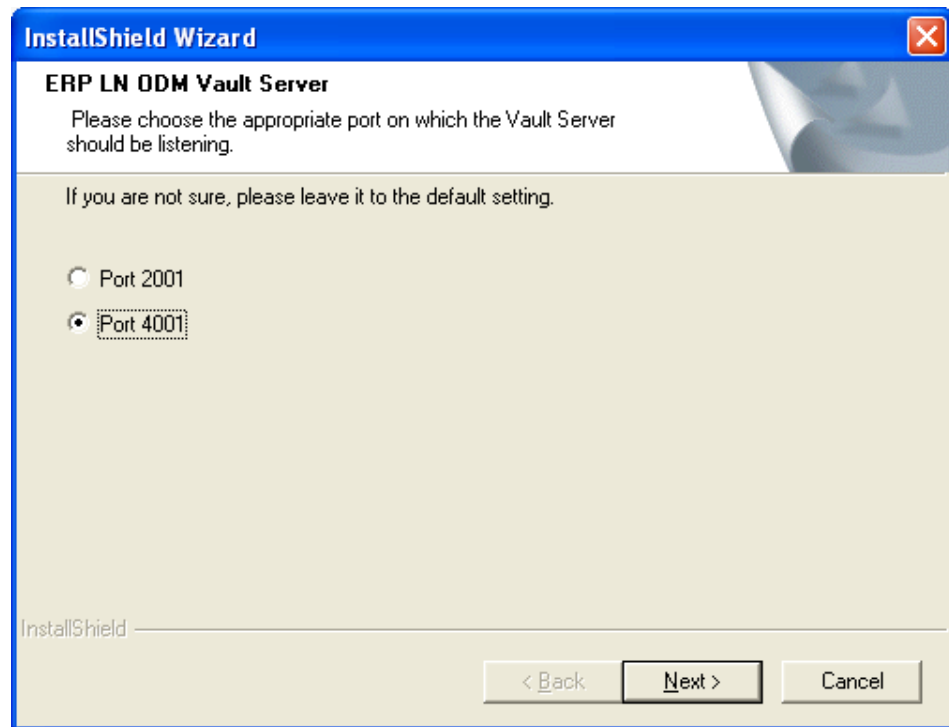


Figure 3-6 Select Port dialog box

Next an option whether the NT Service should be started. Note: you can always start the service later as indicated in paragraph To install the Vault Server as a Windows service but if you are not sure best to start already.

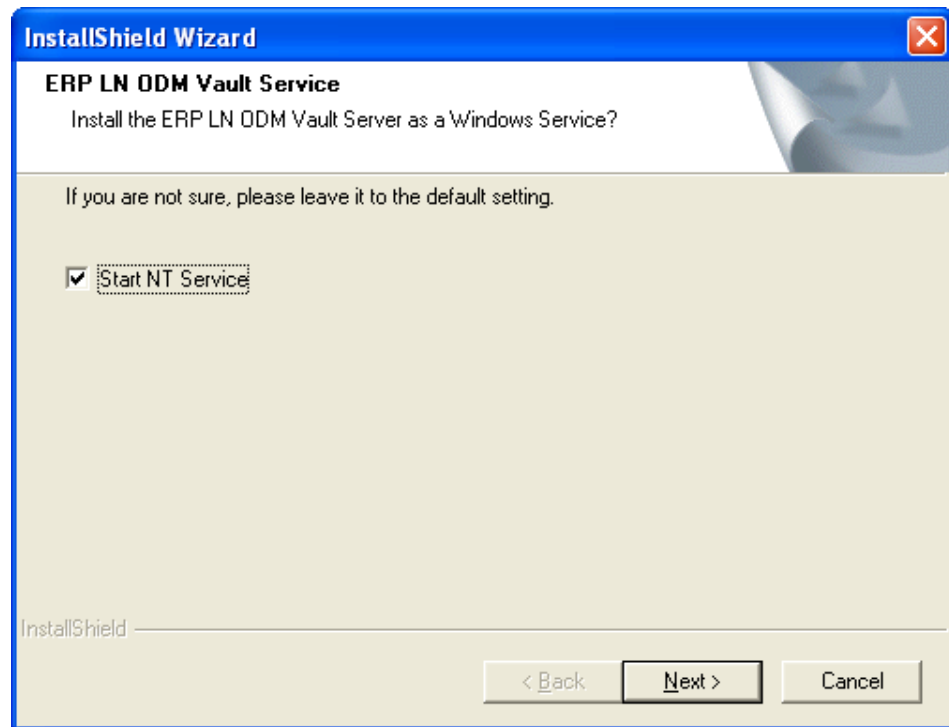


Figure 3-7 Start NT Service dialog box

The **InstallShield Wizard Complete** box appears.

For uninstall the Add or Remove Programs option of Windows can be used. It will stop the service and remove the software.

To install the Vault Server on a UNIX machine

To install the Vault Server, take the following steps:

- 1 Create a home directory for your Vault Server files.
- 2 You need to install the setup on a Windows machine and copy the folder "com" of Infor ODM Vault Server and place it on the UNIX machine.

Caution: The VS is case-sensitive. Do not change the case of file names when you transfer files.

- 3 Set permissions for the VS files and directories. You must set read/write permissions for the work / vault directory.
-

To set up the Vault Server parameter file

To create a parameter file, copy one of the sample parameter files that are provided as part of the Vault Server installation:

- Sever2001.properties.
- Server4001.properties.

You can call the file by any name, however, for best results; you must create the file in the root directory.

The sample files are located in the following subdirectories of the Infor ODM Vault Server directory, or for independent VS installations, in the following subdirectories of the Vault Server directory:

- For Windows platforms: dmfsvs\com\vault\properties
- For UNIX platforms: dmfsvs/com/vault/properties

If required, you can change the values in the parameter file to reflect your configuration. For instructions on how to configure the parameter file, refer to Chapter 4, “To configure the Vault Server”.

If you do not change the default path that is set while installing ODM Vault Server, then the default start-up parameters for Vault Server service will be:
C:\\Progra~1\\ERPLNODMVaultServer\\dmfsvs\\com\\vault\\properties\\<properties file>.

To register Vault Servers in ERP LN ODM

The ERP administrator must register each Vault Server in the ODM package. Only one Vault Server service can be registered for each host.

To register Vault Servers in ERP LN use the Hosts (dmdoc5500m000) session. While doing so, you can specify the port. You must run the vault server for this port number to enable other users to access this host.

To start the Vault Server

You can either start the Vault Server manually, or set up the VS as a Windows NT service. The executable SSAODMVaultServer.exe is provided to install the Vault Server as a Windows NT service.

To install the Vault Server as a Windows service

- 1 After Installing the Infor ODM Vault Server, open the Windows Services window; click **Services** on the Control Panel.

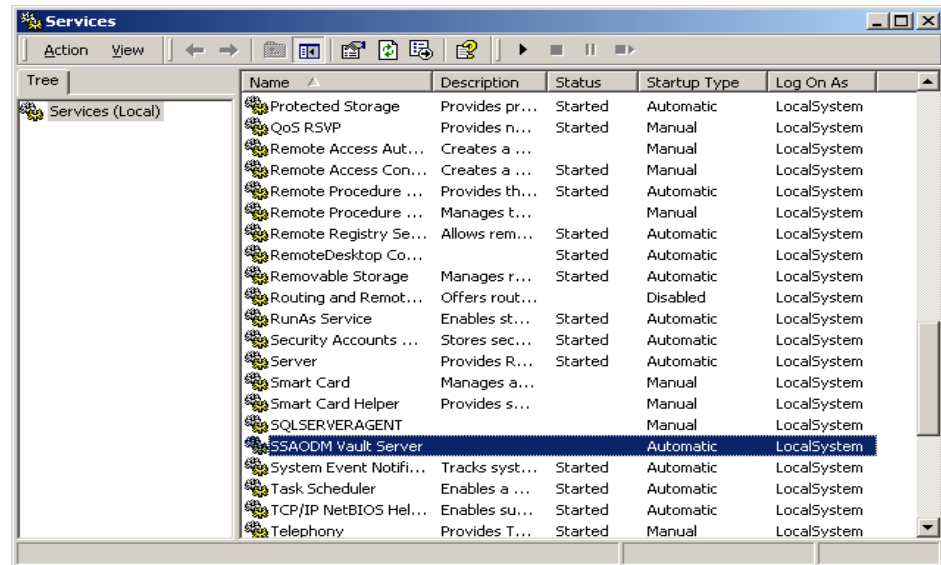


Figure 3-6 Services window

- 2 Click **SSAODM Vault Server** from the list of services, and click **Properties**.

The **Properties** window of this service appears.

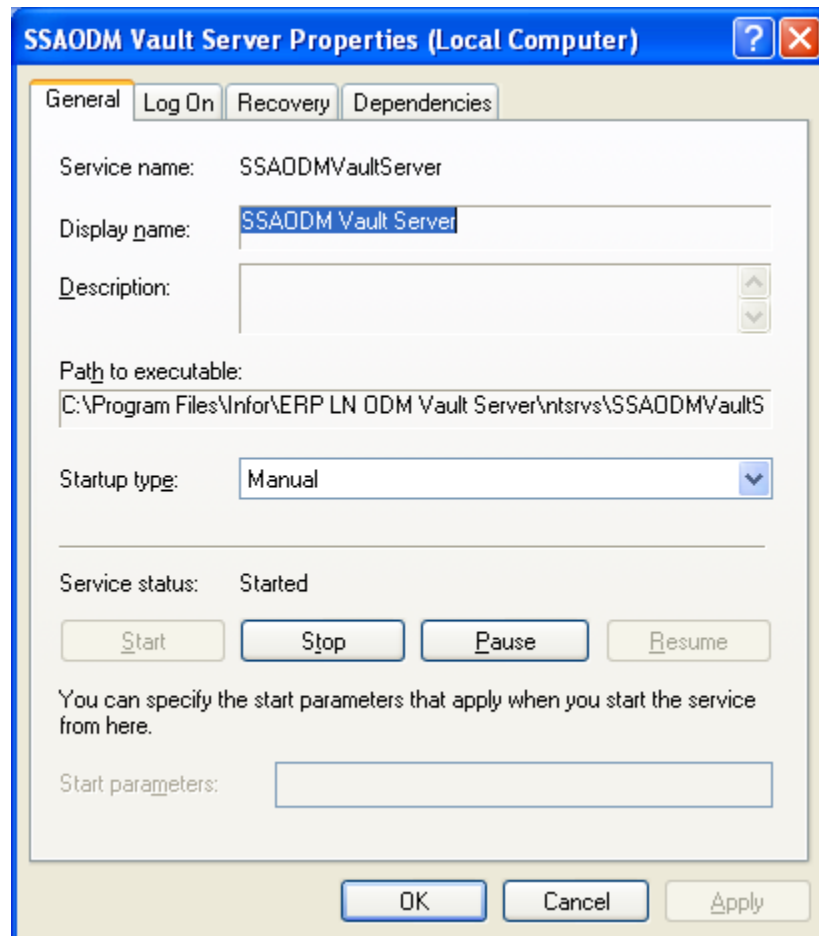


Figure 3-7 Properties dialog box

3 In the **Startup type** area, click **Automatic**.

Click **Start**. If the service cannot start, run Eventvwr.exe and check the Event Viewer for details.

To start the Vault Server manually

- 1 Change to the VS home directory.
- 2 Run `<java_loader> <VS_Class_name> <VS Parameter File>`
 where `<VS_Class_name>` is currently:
`com.vault.server.VaultServer`

Example:

```
java com.vault.server.VaultServer com/vault/properties/vsprop_2001
```

On some platforms, you may be required to set the CLASSPATH environment variable to point to the VS home directory.

Alternatively, run the VS invocation script to start the Vault Server. You can find sample VS invocation scripts in the following files:

- For Windows platforms: Server2001.bat and Server4001.bat
- For UNIX platforms: Server2001.csh and Server4001.csh

These files are located in the dmfsvs subdirectory of the Infor ODM Vault Server, or for independent VS installations, in the dmfsvs subdirectory of the Vault Server directory.

These scripts start the VS with the Server 2001.properties and Server 4001.properties sample parameter files, respectively.

On a UNIX platform, you can run the VS using the following command:

```
java com.vault.server.VaultServer  
com/vault/properties/Server2001.properties
```

Chapter 4

To configure the Vault Server

4

When you start the Vault Server, the VS reads parameters from a parameter file. To configure the Vault Server, change the values in the parameter file.

The parameter file is a text file that contains a list of parameters and a value for each parameter.

The parameter file has entries in the format:

`<Parameter> = <value1>[, <value2>[...]]`

Example:

`Socket.timeout=300`

Any line that begins with a pound sign (#) is a comment.

Sample parameter files are provided as part of the Vault Server installation: Server 2001.properties or Server 4001.properties. These files are located in the following subdirectories of the Infor ODM Vault Server directory, or for independent VS installations, in the following subdirectories of the Vault Server directory:

- For Windows platforms: dmfsvs\com\vault\properties
 - For UNIX platforms: dmfsvs/com/vault/properties
-

Vault Server Parameters

The Vault Server parameter file contains the following parameters:

Instance control parameters

Connection.max

This parameter specifies the maximum number of connections.

Administrator control parameters

These parameters enable you to specify whether the vault server must be controlled from the DOC module only, or whether you can control the server through other means. You must disable administrator control for security reasons.

ControlService.start

This parameter is mandatory. This parameter enables or disables administrator control. The valid values are as follows:

- True (enable)
- False (disable)

For example, to enable control: `ControlService.start=true`

ControlService.password

This parameter is mandatory if the control service is enabled. Administrator's password, for example, `ControlService.password=password`.

ControlService.port

This parameter is mandatory if the control service is enabled and is the control port for the VS. This port is not for file transfers, but for sending data flow and configuration control messages. If you start several instances of the VS, each instance must have a unique control port. To connect to this port, the administrator can use a program such as Telnet.

Service control parameters

Each instance of the VS can have several services, each of which uses a unique port.

Service.start

This parameter is mandatory. This parameter specifies the number of services that the Vault Server instance must start. The number of services can be one or more. To start multiple services, list all numbers separated by a comma. For example: `Service.start=1,2`.

Service<n>

This parameter is mandatory.

Start-up data for service number n

This must be in the following format: `Service<n>=<java_class>, <port>`.

Example:

`Service1=com.vault.server.service.VaultCommandService, 2001`

The port that is specified here is for data transfer. Each service must have a unique port. The Java class must always be the same.

Network parameters

You can change network parameters in accordance with your network configuration to increase transfer speed or reliability.

Packet.preferredSize

This parameter is mandatory and specifies the number of bytes that the VS sends as one packet.

ServerSocket.timeout

This parameter is mandatory and specifies the maximum amount of time (in seconds) that can pass until a service actually stops if you stop any existing services dynamically while the server runs with the use of the Administrator Control.

Socket.timeout

This parameter is mandatory and specifies the amount of time (in seconds) that passes until sockets that the server opens with the client times out.

Service.transactionMode

Mandatory. This check box determines whether the Vault Server must use the two-phase transaction mode, which uses temp and trash directories when running services. The valid values are as follows:

- True: Two-phase mode.
- False: Use only source/destination directories.

The recommended setting is: `Service.transactionMode=false`

Directories parameters

Directory.root.temp

This parameter is mandatory for two-phase transaction mode. This parameter specifies the name of a root directory in which the VS must create temporary directories. You must set read-write permissions for the directory.

Directory.root.trash

This parameter is mandatory for two-phase transaction mode. This parameter specifies the name of a root directory in which the VS must create trash directories. You must set read-write permissions for the directory.

Logging parameters

Log.minimumLevel

This parameter specifies the minimum level of messages to be logged in the log. The possible values, in ascending order of importance, are as follows:

- DEFAULT
- NOTICE
- WARNING
- ERROR
- CRITICAL

Log.filename

The name of the log file the server must use when writing to the log.
