

FUJITSU Software

Symfoware Server V12.0.0

A decorative horizontal band with a red-to-dark-red gradient, featuring abstract, glowing white and red lines that swirl and intersect, creating a sense of motion and technology.

Documentation Road Map

Windows/Linux

J2UL-1732-01ENZ0(01)
January 2014

Preface

Purpose of this manual

This document is intended for users of "Symfoware Server", and explains how to read the manuals.

Structure of this document

The structure and content of this manual is shown below.

[Chapter 1 How to Read the Manuals](#)

This section explains the notational conventions in Symfoware Server manuals.

[Chapter 2 Export Control Restrictions, Trademarks, and Copyright](#)

This section explains the export restrictions, trademarks, and copyright.

Issue date and version

First edition: November 2013 Edition 1.1: January 2014

Copyright

Copyright 2013-2014 FUJITSU LIMITED

Contents

Chapter 1 How to Read the Manuals.....	1
1.1 Intended Products.....	1
1.2 Abbreviations of manual titles.....	1
1.3 System of manuals and how to use the manuals.....	1
1.3.1 System of Manuals.....	1
1.3.2 Documentation Roadmap.....	3
1.4 Notational Conventions in the Manuals.....	3
1.4.1 Platform-specific information.....	4
1.4.2 Abbreviation of product names.....	4
1.4.3 Symfoware Server conventions.....	6
1.4.3.1 Server.....	6
1.4.3.2 Client.....	7
1.4.4 Abbreviations for specific terms.....	7
1.4.5 Symbol convention.....	7
1.5 Notes about Manuals.....	7
Chapter 2 Export Control Restrictions, Trademarks, and Copyright.....	8
2.1 Export Control Restrictions.....	8
2.2 Trademarks.....	8

Chapter 1 How to Read the Manuals

The Symfoware Server manuals use certain notational conventions and rules. Pay attention to these conventions and rules when reading the Symfoware Server manuals.

1.1 Intended Products

The manuals apply to the following products:

- Symfoware Server Standard Edition

1.2 Abbreviations of manual titles

The following tables list abbreviations of the titles of manuals for Symfoware Server as they appear in the manuals.

Formal manual title	Abbreviation in Symfoware Server manuals
Symfoware Server General Description	General Description
Symfoware Server Installation and Setup Guide for Server	Installation and Setup Guide for Server
Symfoware Server Installation and Setup Guide for Client	Installation and Setup Guide for Client
Symfoware Server Operation Guide	Operation Guide
Symfoware Server Cluster Operation Guide	Cluster Operation Guide
Symfoware Server Application Development Guide	Application Development Guide
Symfoware Server Reference	Reference
Symfoware Server Java API Reference	Java API Reference
Symfoware Server Glossary	Glossary
Symfoware Server Messages	Messages
PostgreSQL 9.2 Documentation	PostgreSQL Documentation

1.3 System of manuals and how to use the manuals

This section describes the system of manuals for Symfoware Server.

1.3.1 System of Manuals

Symfoware Server manuals

The table below shows the manual on Symfoware Server.

Use/Purpose	Manual title	Content	When to read
Acquiring an overview of the product and the basic information required for work and operation.	General Description	Description of all available functions associated with each intended purpose or use, and screenshots of operations.	Learn basic information and restrictions that system engineers and operators must know to actually operate the product.

Use/Purpose	Manual title	Content	When to read
Installing and setting up Symfoware Server correctly to enable its use.	Installation and Setup Guide for Server	Procedure for installing and setting up Symfoware Server.	Install and Setup Symfoware Server.
Installing the Symfoware Server client function correctly to enable its use.	Installation and Setup Guide for Client	Installing the Symfoware Server client function.	Install the Symfoware Server client function.
Operating and managing Symfoware Server.	Operation Guide	Description of the tasks required in Symfoware Server management and operation.	Learn how to operate and manage the databases.
Performing the failover operation.	Cluster Operation Guide	Description of the tasks required in the failover operation.	Create an operating environment for failover or and enable failover.
Applications using the interface provided by Symfoware Server.	Application Development Guide	Procedure for creating an application using embedded SQL, JDBC driver, ODBC driver, and .NET Data Provider.	Develop an application using the interface provided by Symfoware Server.
Usage of Symfoware Server commands	Reference	Explanation of the Symfoware Server commands expanded on from PostgreSQL.	Learn Symfoware Server command functions, options, and examples of use.
Learning the syntax of Java API.	Java API Reference	Explanation of the syntax of the Java APIs.	Learn the syntax of Java APIs.
Learning the meaning of the term of Symfoware Server.	Glossary	Explanation of the term and the relating term of Symfoware Server.	Check for the cause of the meaning of the term used with Symfoware Server manuals.
Referring to messages from Symfoware Server and taking measures for them.	Messages	Explanation of each message and description of any measures to be taken for it.	Find out the specific measures for dealing with messages from Symfoware Server.

PostgreSQL manual

The table below shows the manual on PostgreSQL-compatible features.

Use/Purpose	Manual title	Content	When to read
To learn about PostgreSQL features.	PostgreSQL Documentation	Official PostgreSQL documentation. Explains all features officially supported by the relevant version of PostgreSQL.	To learn how to use PostgreSQL.

1.3.2 Documentation Roadmap

This section provides a documentation roadmap, broken down by user role.

Database administrator

The database administrator is a user who performs Symfoware Server installation and setup, and who operates and monitors the database.

Refer to the manuals in the table below, according to purpose:

	Purpose	Manual name	
Required reading	To read an overview of the software	General Description	
	To perform installation and setup	Installation and Setup Guide for Server	
	Operation		Operation Guide
			Cluster Operation Guide
			Reference
	Reference		Messages
Glossary			
Refer to as required	To learn about PostgreSQL features	PostgreSQL Documentation	

Application developer

The application developer is a user who defines the database and develops applications.

Refer to the manuals in the table below, according to purpose:

	Purpose	Manual name	
Required reading	To read an overview of the software	General Description	
	To perform installation and setup	Installation and Setup Guide for Client	
	To define a database	Operation Guide	
	To develop applications		Application Development Guide
			Java API Reference
	Reference		Messages
Glossary			
Refer to as required	To learn about PostgreSQL features	PostgreSQL Documentation	

1.4 Notational Conventions in the Manuals

Manual titles and product names in the manual are abbreviated.

This section explains the notational conventions for abbreviations and platform-specific information in the manuals.

1.4.1 Platform-specific information

Even manuals whose title has a platform name contains content common to all the platforms supported by Symfoware Server. In such cases, the platform-specific information is marked as shown below. Refer to only the necessary information.

L

Linux

Indicates content concerning Linux.

W

Windows(R)

Indicates content concerning Windows(R).

1.4.2 Abbreviation of product names

The following table lists abbreviations of the names of products related to Symfoware Server as they appear in the manuals.

Formal name	Abbreviation
Red Hat(R) Enterprise Linux(R) 5 (for Intel64), Red Hat(R) Enterprise Linux(R) 5 (for x86), Red Hat(R) Enterprise Linux(R) 6 (for Intel64) and Red Hat(R) Enterprise Linux(R) 6 (for x86)	Linux
Red Hat(R) Enterprise Linux(R) 5 (for Intel64)	RHEL5(Intel64)
Red Hat(R) Enterprise Linux(R) 5 (for x86)	RHEL5(x86)
Red Hat(R) Enterprise Linux(R) 6 (for Intel64)	RHEL6(Intel64)
Red Hat(R) Enterprise Linux(R) 6 (for x86)	RHEL6(x86)
Red Hat(R) Enterprise Linux(R) 5 (for Intel64) and Red Hat(R) Enterprise Linux(R) 5 (for x86)	RHEL5
Red Hat(R) Enterprise Linux(R) 6 (for Intel64) and Red Hat(R) Enterprise Linux(R) 6 (for x86)	RHEL6
Microsoft(R) Windows(R) XP Professional, Microsoft(R) Windows(R) XP Home Edition and Microsoft(R) Windows(R) XP Professional x64 Edition	Windows(R) XP
Microsoft(R) Windows(R) XP Professional x64 Edition	Windows(R) XP for x64
Windows Vista(R) Home Basic, Windows Vista(R) Home Premium, Windows Vista(R) Business, Windows Vista(R) Ultimate and Windows Vista(R) Enterprise	Windows Vista(R)
Windows(R) 7 Home Premium, Windows(R) 7 Professional, Windows(R) 7 Enterprise and Windows(R) 7 Ultimate	Windows(R) 7
Windows(R) 8, Windows(R) 8 Pro and Windows(R) 8 Enterprise	Windows(R) 8
Microsoft(R) Windows Server(R) 2003, Standard Edition, Microsoft(R) Windows Server(R) 2003, Enterprise Edition, Microsoft(R) Windows Server(R) 2003, Standard x64 Edition, Microsoft(R) Windows Server(R) 2003, Enterprise x64 Edition, Microsoft(R) Windows Server(R) 2003 R2, Standard Edition, Microsoft(R) Windows Server(R) 2003 R2, Enterprise Edition,	Windows Server(R) 2003

Formal name	Abbreviation
Microsoft(R) Windows Server(R) 2003 R2, Standard x64 Edition and Microsoft(R) Windows Server(R) 2003 R2, Enterprise x64 Edition,	
Microsoft(R) Windows Server(R) 2003, Standard x64 Edition, Microsoft(R) Windows Server(R) 2003, Enterprise x64 Edition, Microsoft(R) Windows Server(R) 2003 R2, Standard x64 Edition and Microsoft(R) Windows Server(R) 2003 R2, Enterprise x64 Edition	Windows Server(R) 2003 x64 Editions
Microsoft(R) Windows Server(R) 2008 Standard, Microsoft(R) Windows Server(R) 2008 Enterprise, Microsoft(R) Windows Server(R) 2008 Datacenter, Microsoft(R) Windows(R) Web Server 2008, Microsoft(R) Windows Server(R) 2008 Standard without Hyper-V, Microsoft(R) Windows Server(R) 2008 Enterprise without Hyper-V and Microsoft(R) Windows Server(R) 2008 Datacenter without Hyper-V	Windows Server(R) 2008
Microsoft(R) Windows Server(R) 2008 Standard, Microsoft(R) Windows Server(R) 2008 Enterprise, Microsoft(R) Windows Server(R) 2008 Datacenter, Microsoft(R) Windows(R) Web Server 2008, Microsoft(R) Windows Server(R) 2008 Standard without Hyper-V, Microsoft(R) Windows Server(R) 2008 Enterprise without Hyper-V and Microsoft(R) Windows Server(R) 2008 Datacenter without Hyper-V	Windows Server(R) 2008 for x64
Microsoft(R) Windows Server(R) 2008 R2 Datacenter, Microsoft(R) Windows Server(R) 2008 R2 Enterprise, Microsoft(R) Windows Server(R) 2008 R2 Standard, Microsoft(R) Windows Server(R) 2008 R2 Foundation and Microsoft(R) Windows(R) Web Server 2008 R2	Windows Server(R) 2008 R2
Microsoft(R) Windows Server(R) 2012 Datacenter, Microsoft(R) Windows Server(R) 2012 Standard. Microsoft(R) Windows Server(R) 2012 Essentials and Microsoft(R) Windows Server(R) 2012 Foundation	Windows Server(R) 2012
Microsoft(R) Windows(R) XP Professional, Microsoft(R) Windows(R) XP Home Edition, Microsoft(R) Windows(R) XP Professional x64 Edition, Windows Vista(R) Home Basic, Windows Vista(R) Home Premium, Windows Vista(R) Business, Windows Vista(R) Ultimate, Windows Vista(R) Enterprise, Windows(R) 7 Home Premium, Windows(R) 7 Professional, Windows(R) 7 Enterprise, Windows(R) 7 Ultimate, Windows(R) 8, Windows(R) 8 Pro, Windows(R) 8 Enterprise, Microsoft(R) Windows Server(R) 2003, Standard Edition, Microsoft(R) Windows Server(R) 2003, Enterprise Edition, Microsoft(R) Windows Server(R) 2003, Standard x64 Edition, Microsoft(R) Windows Server(R) 2003, Enterprise x64 Edition, Microsoft(R) Windows Server(R) 2003 R2, Standard Edition, Microsoft(R) Windows Server(R) 2003 R2, Enterprise Edition, Microsoft(R) Windows Server(R) 2003 R2, Standard x64 Edition, Microsoft(R) Windows Server(R) 2003 R2, Enterprise x64 Edition, Microsoft(R) Windows Server(R) 2008 Standard, Microsoft(R) Windows Server(R) 2008 Enterprise,	Windows(R)

Formal name	Abbreviation
Microsoft(R) Windows Server(R) 2008 Datacenter, Microsoft(R) Windows(R) Web Server 2008, Microsoft(R) Windows Server(R) 2008 Standard without Hyper-V, Microsoft(R) Windows Server(R) 2008 Enterprise without Hyper-V, Microsoft(R) Windows Server(R) 2008 Datacenter without Hyper-V, Microsoft(R) Windows Server(R) 2008 R2 Datacenter, Microsoft(R) Windows Server(R) 2008 R2 Enterprise, Microsoft(R) Windows Server(R) 2008 R2 Standard, Microsoft(R) Windows Server(R) 2008 R2 Foundation, Microsoft(R) Windows(R) Web Server 2008 R2, Microsoft(R) Windows Server(R) 2012 Datacenter, Microsoft(R) Windows Server(R) 2012 Standard, Microsoft(R) Windows Server(R) 2012 Essentials and Microsoft(R) Windows Server(R) 2012 Foundation	
Microsoft(R) Internet Explorer 8.0, Microsoft(R) Internet Explorer 9.0 and Internet Explorer(R) 10.0	Internet Explorer
Java Naming and Directory Interface	JNDI
Java(TM) 2 SDK, Standard Edition, Java(TM) 2 Platform, Enterprise Edition, Java(TM) Platform, Standard Edition and Java(TM) Development Kit	JDK
Java(TM) 2 Runtime Environment, Standard Edition and Java(TM) Runtime Environment	JRE
Microsoft(R) Visual Basic(R) for Applications	VBA
Microsoft(R) Visual Basic	Visual Basic
Microsoft(R) Visual Basic.NET	Visual Basic.NET
Interstage Application Server Enterprise Edition, Interstage Application Server Standard-J Edition and Interstage Web Server	Interstage Application Server
Symfoware Server Standard Edition and Symfoware Server Standard Edition (64bit)	SE or Symfoware Server Standard Edition
PRIMECLUSTER Global Disk Services	PRIMECLUSTER GDS or GDS
PRIMECLUSTER Global Link Services	GLS

Remarks: The symbols (R) and (TM) may be omitted in this manual.

1.4.3 Symfoware Server conventions

The naming conventions for the Symfoware Server product names and functions used in the Symfoware Server manuals are shown below.

1.4.3.1 Server

The names used in the manuals in explanations regarding Symfoware Server functions are shown below.

Product name	Name used in manuals
Symfoware Server Standard Edition (64bit)	64-bit product
Symfoware Server Standard Edition (32bit)	32-bit product

1.4.3.2 Client

The names used in the manuals in explanations regarding Symfoware Server client functions are shown below.

Product name	Name used in manuals
Symfoware Server Client(64bit)	64-bit product
Symfoware Server Client(32bit)	32-bit product

1.4.4 Abbreviations for specific terms



The following abbreviations are used in descriptions concerning the Linux:

- "UNIX system" is an abbreviation for Symfoware Server running under the Linux.
- "UNIX system files" is an abbreviation for the files handled under the Linux.
- "UNIX system" is an abbreviation for the system configured for the Linux.

1.4.5 Symbol convention

The symbols shown below are used in the manuals.

Symbol	Meaning
[]	These symbols indicate characters displayed in a window or dialog box or keyboard keys. Examples: [Setting] dialogue box, [File] menu, [Item name], [OK] button, [Enter] key.

1.5 Notes about Manuals

This section contains notes about the Symfoware Server operating environments and manuals.

- Images in figures

The Symfoware Server manuals contain figures showing printouts for Symfoware/RDB to provide the reader an idea of what the printouts look like, but since the figures are only examples, they are incomplete.

- Explanatory examples

- Most of the examples of databases in the Symfoware Server manuals are modeled after inventory control databases of retail stores. The design and contents of the databases in the examples are fictitious and do not represent any real database.

- The examples given in the Symfoware Server manuals are assumed to be for RHEL6 unless expressly stated otherwise.(For Linux)

- UNIX release version number

This system conforms to UNIX System V Rel4.2MP.

Chapter 2 Export Control Restrictions, Trademarks, and Copyright

This chapter covers export control restrictions, trademarks, and the copyright.

2.1 Export Control Restrictions

Before exporting this document or providing it to another party, check the restrictions stipulated in the Foreign Exchange and Foreign Trade Law in Japan and applicable export control laws and regulations of the U.S. and other countries, and obtain necessary permits where such permits are required.

2.2 Trademarks

- Internet Information Services, Microsoft, MS, MS-DOS, Windows, Windows Server, Visual Basic, and Visual C++ are registered trademarks or trademarks of Microsoft Corporation in the U.S. and/or other countries.
- Oracle and Java are registered trademarks of Oracle Corporation and its subsidiaries and affiliated companies in the U.S. and other countries. Product and company names mentioned in this manual are the trademarks or registered trademarks of their respective owners.
- Linux is a registered trademark or trademark of Mr. Linus Torvalds in the U.S. and other countries.
- Red Hat, RPM, and all Red Hat-based trademarks and logos are registered trademarks or trademarks of Red Hat, Inc. in the U.S. and other countries.
- UNIX is a registered trademark of Open Group in the U.S. and other countries.
- Interstage, Systemwalker, PRIMECLUSTER and Symfoware are trademarks or registered trademarks of Fujitsu Limited.

Other product and company names mentioned in this manual are the trademarks or registered trademarks of their respective owners.