

JADE Product Information Library

Version 2018.0.01

The following table lists the titles and file names of the documents in the JADE 2018 product information library.

» **To navigate to the first page of any document to which you have access**

- Click the hyperlink in the first column.

» **For a summary of the information contained in a document (with the exception of white papers)**

- Click the hyperlink in the second column to see the contents of chapters in the selected document.

Title	File Name	Contents
Upgrading to the JADE 2018 Release	ReleaseInfo2018	Latest JADE 2018 release information
Administration and deployment documentation		
JADE Database Administration Guide	DbAdmin	Administering the JADE database
JADE Monitor User's Guide	JadeMonitor	Monitoring and examining your JADE environment
JADE Remote Node Access Utility User's Guide	JadRap	Starting or administering JADE on a server node
JADE Runtime Application Guide	RuntimeApps	Administering JADE runtime applications
JADE Schema Inspector Utility User's Guide	SchemaInspector	Inspecting database objects in production systems
JADE Schema Load User's Guide	JadScmLoad	Loading user data
JADE Synchronized Database Service (SDS) Administration Guide	SDSAdmin	Administering Synchronized Database Services (SDS), including Relational Population Services (RPS)
JADE Thin Client Guide	ThinClient	Administering JADE thin client environments
JADE Web Application Guide	WebApps	Implementing, monitoring, and configuring HTML and Web service JADE applications, and using the Rich Internet Application (RIA) framework
Development environment documentation		
JADE Automated Test Code Generator (ATCG) Reference	ATCGRef	Using the Automated Test Code Generator to record and replay GUI actions in JADE applications
JADE Developer's Reference	DevRef	Using JADE to develop and maintain JADE applications

Title	File Name	Contents
JADE Development Environment Administration Guide	Admin	Administering the JADE development environment
JADE Development Environment User's Guide	UserGuide	Using the JADE development environment
JADE Encyclopaedia of Classes (Volume 1)	EncycloSys1	Volume 1 covers system (non-GUI) classes in the range ActiveXAutomation class through JadeSkin class, inclusive
JADE Encyclopaedia of Classes (Volume 2)	EncycloSys2	Volume 2 covers system (non-GUI) classes in the range JadeSkinApplication class through WebSession class, inclusive
JADE Encyclopaedia of Classes (Volume 3)	EncycloWin	Volume 3 covers Window (GUI) classes
JADE Encyclopaedia of Primitive Types	EncycloPrim	Covers primitive types and global constants
JADE External Interface Developer's Reference	ExtIntDevRef	Developing JADE applications using external interfaces
JADE Object Manager Guide	ObjectManager	Administering the JADE Object Manager or writing API calls to JADE
JADE Report Writer User's Guide	ReportWriter	Configuring and designing JADE Reports
Configuration documentation		
JADE Error Messages and System Messages	JADEMsgs	Cause of JADE system and error messages and any action that can be taken
JADE Initialization File Reference	JADEini	Maintaining JADE initialization file parameter values
JADE Installation and Configuration Guide	InstallConfig	Installing and configuring JADE
JADE Platform Differences Guide	PlatDiffs	Platform differences when running JADE applications
White papers		
Asynchronous Method Calls White Paper	WP_AsynchMethodCalls	Provides the ability to execute different tasks of an application in parallel
Audit Access White Paper	WP_AuditAccess	Extracting information from the JADE journal, discussing some aspects of developing an application to realize this potential
Code Coverage White Paper	WP_CodeCoverage	Measures the degree to which the methods in a system have been tested, to assure the quality of a set of tests as opposed to directly reflecting the quality of the system under test
Design Tips for Better Performance White Paper	WP_PerformDesignTips	Contains specific design and coding hints and tips for JADE developers

Title	File Name	Contents
<i>Developing a Backup Strategy White Paper</i>	WP_BackupStrategy	Provides guidance in developing a backup strategy for a JADE database
<i>Environmental Considerations White Paper</i>	WP_EnvConsiderations	Outlines environmental considerations required to deploy JADE systems to achieve a high degree of confidence in the levels of data integrity and availability that can be maintained in the event of catastrophic failures
<i>Erewhon Demonstration System Reference</i>	WP_Erewhon	Internet-enabled online purchasing and tendering application, providing an appreciation of JADE's features, including Web deployment, JADE Smart client technology, and Web services
<i>Exception Handling White Paper</i>	WP_ExceptionHandling	Provides a sound understanding of the use of JADE exception handlers, and presents a number of ways in which exception handlers can be used to help produce robust, high-performance JADE applications that properly encapsulate functionality within the application's classes
<i>Logical Certifier White Paper</i>	WP_LogicalCertifier	Describes the tool (application) that is used to verify and, if necessary, restore the referential integrity in a JADE database
<i>Multithreading JADE Applications White Paper</i>	WP_Multithreading	Describes the basics of multithreading using JADE and provides some examples of the use and control of multithreaded applications
<i>Multiuser Setup White Paper</i>	WP_MultiuserSetup	Covers setting up clients and servers for a runtime JADE system, where the clients and servers could be installed on separate machines
<i>Packages White Paper</i>	WP_Packages	Covers some of the issues you should consider when both developing and using packages in your JADE applications
<i>Performance Analysis White Paper</i>	WP_PerformAnalysis	Provides guidance in analyzing the performance of a JADE system
<i>Relational Population Service (RPS) White Paper</i>	WP_RPS	Using the Relational Population Service (RPS) for replication of objects from a primary JADE database to one or more relational databases
<i>Relational Queries Using ODBC White Paper</i>	WP_RelQueriesODBC	Covers using the JADE ODBC standard driver and thin client driver to use SQL statements to access a relational view of your JADE database

Title	File Name	Contents
REST Services White Paper	WP_RestServices	Contains information about the REST-based Web services functionality provided by JADE
Server Memory Allocation White Paper	WP_ServerMemory	Contains information that enables you to tune database disk cache to maximize performance
Synchronized Database Service (SDS) White Paper	WP_SDS	Using the Synchronized Database Service (SDS) as an effective solution to protect a business's core data assets, providing access to these assets on a 24x7 basis in the face of disasters and system outages
Using the JADE Report Writer White Paper	WP_ReportWriter	Provides an understanding of how to use the JADE Report Writer to improve performance during execution of user reports
Web Services White Paper	WP_WebServices	Provides an overview of Web services and the JADE implementation of Web services provider and consumer features, along with a detailed example
Web Services Security White Paper	WP_WebServicesSecurity	Covers the use of a .NET class library to implement Web services security in JADE
Web Services Tips and Techniques White Paper	WP_WebServicesTips	Provides useful information to assist a JADE Web services developer
XML in JADE White Paper	WP_XML	Covers the XML framework in JADE, which enables rapid development of XML applications and XML components.

Notes If you want to develop your own installation process, the JADE install and upgrade steps are documented in the **ReadmeInstallSteps.pdf** file in the documentation directory.

For details about licensing agreements for third-party products, you must read the JADE **ReadMe.txt** file.

Upgrading to the JADE 2018 Release (ReleaseInfo2018)

The [Upgrading to the JADE 2018 Release](#) document contains:

- [JADE Release Support](#)
 - [Deimplementations and Deprecations](#)
- [Highlights in this Release](#)
- [Accessing Details about Faults Fixed in Releases](#)
- [Upgrading to JADE 2018](#)
 - [Upgrading to JADE 2018 from JADE 7.1](#)
 - [JADE Thin Client Upgrade](#)
 - [Upgrading an SDS Native or RPS Secondary System](#)
 - [Upgrade Validation](#)
- [JADE 2018 Changes that May Affect Your Existing Systems](#)
- [Changes and New Features in JADE Release 2018](#)

Administration and Deployment Documents

The following sections summarize the administration- and deployment-related documents in the JADE product information library.

JADE Database Administration Guide (DbAdmin)

For database administrators.

Chapter 1	Using the single user offline JADE Database utility
Chapter 2	Using the single user or multiuser online JADE Database Administration utility
Chapter 3	Database administration, including backing up and recovering databases, database certification, and database space management
Chapter 4	Using the JADE Database Encryption utility

JADE Monitor User's Guide (JadeMonitor)

For system administrators when monitoring, analyzing, and diagnosing a JADE environment.

Chapter 1	Initiating and setting up the JADE Monitor, including running the JADE Monitor as a background process
Chapter 2	Using the JADE Monitor for system instrumentation and diagnosis

JADE Remote Node Access Utility User's Guide (JadRap)

For system administrators when starting or administering JADE on a server node and recording server node statistics.

Chapter 1	Starting or administering JADE on a server node
---------------------------	---

JADE Runtime Application Guide (RuntimeApps)

For system administrators when administering JADE runtime applications.

Chapter 1	Running a JADE user application
Chapter 2	Using skins in runtime applications
Chapter 3	Using rich text controls on runtime forms
Chapter 4	Converting a user database
Chapter 5	Deploying database files
Chapter 6	Upgrading to a new release of a runtime application
Appendix A	Customizing the deployment upgrade process

JADE Schema Inspector Utility User's Guide (SchemaInspector)

For system administrators when inspecting JADE database objects in production systems.

Chapter 1	Inspecting JADE database objects in production systems
---------------------------	--

JADE Schema Load User's Guide (JadScmLoad)

For system administrators when loading user data without using the JADE development environment.

Chapter 1	Loading user data
---------------------------	-------------------

JADE Synchronized Database Service (SDS) Administration Guide (SDSAdmin)

For system administrators when administering JADE Synchronized Database Services (SDS), including Relational Population Services (RPS).

Chapter 1	Covers administering a JADE Synchronized Database Service (SDS) environment
Chapter 2	Considerations when using the Relational Population Service (RPS) to replicate a production JADE database to one or more Relational Database Management System (RDBMS) target databases

JADE Thin Client Guide (ThinClient)

For system administrators when administering JADE thin client environments.

Chapter 1	Installing application servers and presentation clients and customizing the installation of JADE presentation client software
Chapter 2	Running the application server and presentation clients
Chapter 3	Administering JADE thin client environments
Appendix A	JADE thin client considerations and restrictions
Appendix B	Upgrading software on presentation clients

JADE Web Application Guide (WebApps)

For system administrators when administering JADE HTML and Web service applications.

Chapter 1	Implementing HTML and Web service JADE applications
Chapter 2	Monitoring Web applications
Chapter 3	Configuring Web applications
Chapter 4	Using the Rich Internet Application (RIA) framework

Development Environment Documents

The following sections summarize the development environment-related documents in the JADE product information library.

JADE Automated Test Code Generator (ATCG) Reference (ATCGRef)

Covers using the Automated Test Code Generator (ATCG) to record and replay GUI actions in JADE applications.

Chapter 1	Overview of the Automated Test Code Generator
Chapter 2	Getting started
Chapter 3	ATCG development structure and considerations
Chapter 4	Design guidelines and directions

JADE Development Environment Administration Guide (Admin)

For system administrators when administering JADE development environments.

Chapter 1	Saving and restoring JADE schema and forms definitions
Chapter 2	Change Control
Chapter 3	Patch versioning

JADE Development Environment User's Guide (UserGuide)

For developers using the JADE development environment to develop user applications.

Chapter 1	JADE concepts and terminology
Chapter 2	Signing on and off, using the JADE development environment, and using the JADE online help
Chapter 3	Defining applications and classes in your own schemas, and performing a schema reorganization
Chapter 4	Defining JADE methods, properties, constants, and conditions
Chapter 5	Using the JADE Painter, including the Form Wizard and Menu Design facilities
Chapter 6	Inspecting your JADE database
Chapter 7	Using the JADE debugger
Chapter 8	Defining external methods and external interfaces

Chapter 9	Defining ODBC inquiry relational views and ad hoc indexes
Chapter 10	Extracting and loading schemas
Chapter 11	Localizing (translating) JADE to suit your local requirements
Chapter 12	Adding and maintaining HTML documents
Chapter 13	Adding and maintaining method views, which group methods from any class in any schema
Chapter 14	Adding and maintaining interfaces
Chapter 15	Defining a Relational Population Service (RPS) mapping using the Relational Population Service wizard
Chapter 16	Importing and maintaining ActiveX and .NET external component libraries
Chapter 17	Using the C# Exposure Wizard to generate a C# class library for a JADE schema
Appendix A	Glossary

JADE Developer's Reference (DevRef)

Covers using JADE to develop and maintain JADE applications.

Chapter 1	JADE language
Chapter 2	Handling event notifications
Chapter 3	Handling exceptions
Chapter 4	Behavior and tuning of collections
Chapter 5	Creating user-defined controls
Chapter 6	JADE locking facilities
Chapter 7	Using the supplied JADE database administration framework
Chapter 8	Provides instructions for using packages to build and reuse common frameworks
Chapter 9	Provides instructions for using skins
Chapter 10	Provides considerations when developing applications using the Synchronized Database Service (SDS)
Chapter 11	Provides instructions for building distributed JADE applications using the XML Web services architecture
Chapter 12	Provides instructions for parsing, creating, navigating, manipulating, and writing XML documents
Chapter 13	Provides instructions for using object versioning in the JADE development environment
Chapter 14	Database reorganization
Chapter 15	Provides instructions for using the messaging framework
Chapter 16	Provides instructions for using asynchronous method calls
Chapter 17	Provides instructions for using method tracking and notification tracing to enhance performance
Chapter 18	Provides instructions for executing code before and after a target method is called
Chapter 19	Provides instructions for identifying objects that are updated, created, and deleted within a transaction
Chapter 20	Partitioning database files

Chapter 21	Defining runtime data
Chapter 22	Unaudited database file operations
Appendix A	JADE limits
Appendix B	JADE attribute type storage sizes

JADE Encyclopaedia of Classes – Volume 1 (EncycloSys1)

Volume 1 covers system (non-GUI) classes in the range [ActiveXAutomation](#) class through [JadeSkin](#) class, inclusive.

Chapter 1	System classes in the range ActiveXAutomation class through JadeSkin class, inclusive, and the methods, properties, and class constants that they provide
---------------------------	---

JADE Encyclopaedia of Classes – Volume 2 (EncycloSys2)

Volume 2 covers system (non-GUI) classes in the range [JadeSkinApplication](#) class through [WebSession](#) class, inclusive.

Chapter 1	System classes in the range JadeSkinApplication class through WebSession class, inclusive, and the methods, properties, and class constants that they provide
---------------------------	---

JADE Encyclopaedia of Classes – Volume 3 (EncycloWin)

Volume 3 covers the [Window](#) class and subclasses.

Chapter 2	Window classes, and the methods, properties, and class constants that they provide
---------------------------	--

JADE Encyclopaedia of Primitive Types (EncycloPrim)

Covers primitive types and global constants.

Chapter 1	Primitive types, and the methods that they provide
Appendix A	Global constants

JADE External Interface Developer's Reference (ExtIntDevRef)

Covers using external interfaces to develop and maintain JADE applications.

Chapter 1	Using external methods and external functions
Chapter 2	External interfaces, including external databases
Chapter 3	Transforming an external relational database
Chapter 4	Provides instructions for using ActiveX automation server and .NET external component libraries
Chapter 5	XML Metadata Interchange (XMI) support
Appendix A	ODBC reserved words
Appendix B	JADE pointers in the RootSchema jomos external function library

JADE .NET Developer's Reference (DotNetDev)

Covers developing applications using .NET class libraries exposed in JADE.

Chapter 1	.NET and JADE requirements
Chapter 2	JADE .NET object management
Chapter 3	Sample client-server application
Chapter 4	Introduction to JADE .NET tutorial
Chapter 5	Using the .NET framework to develop .NET applications to connect to a JADE system
Chapter 6	Exposing JADE classes and their entities to generate a .NET class library
Chapter 7	Reference to the jomdotnet library and the API required to use the exposed classes
Appendix A	Mapping JADE primitive types to Common Language Runtime (CLR) data types
Appendix B	Developing applications to store, edit, and query spatial information directly through the JADE .NET API

JADE Object Manager Guide (ObjectManager)

For system administrators and JADE developers when administering the JADE Object Manager or writing API calls to JADE.

Chapter 1	Distributed processing, and JADE Object Manager architecture
Chapter 2	JADE security, including deployed databases and the JADE development environment
Chapter 3	JADE Object Manager Application Programming Interface (API)
Chapter 4	JADE system instrumentation and diagnosis, including node statistics sampling
Chapter 5	JADE Logical Certifier diagnostic tool and its errors and repairs
Chapter 6	C-level Application Programming Interface (API)

JADE Report Writer User's Guide (ReportWriter)

For people who are using the JADE Report Writer to develop and run reports.

Chapter 1	JADE Report Writer concepts and terminology
Chapter 2	Signing on and off and using the JADE Report Writer
Chapter 3	Configuring the JADE Report Writer
Chapter 4	Designing JADE reports
Chapter 5	Previewing, printing, and extracting data from JADE reports
Chapter 6	Running the JADE Report Writer, including setting security and dealing with exceptions
Appendix A	Detailed description of creating scripts in the JADE Report Writer Designer
Appendix B	Detailed description of using script commands in the JADE Report Writer Designer
Appendix C	Detailed description of using script fields in the JADE Report Writer Designer

Configuration Documents

The following sections summarize the JADE configuration-related documents in the JADE product information library.

JADE Error Messages and System Messages (JADEMsgs)

The [JADE Error Messages and System Messages](#) document contains all JADE system and error messages, and provides the cause of each message and any action that you can take.

JADE Installation and Configuration Guide (InstallConfig)

For system administrators when installing and configuring JADE.

Chapter 1	Installing JADE under Windows
Chapter 2	Configuring JADE
Appendix A	JADE program and warning exit values

JADE Initialization File Reference (JADEini)

For system administrators when maintaining JADE initialization file parameter values.

Chapter 1	JADE initialization file
---------------------------	--------------------------

JADE Platform Differences Guide (PlatDiffs)

For system administrators when administering JADE systems or for users running JADE applications.

Chapter 1	Multiuser and client-server issues
Chapter 2	Migrating from a JADE 6.3 Release
Chapter 3	Miscellaneous platform differences
