

WeWebU OpenWorkdesk 3.0.0.0

Installation Guide

Copyright

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Typographical Conventions Used in This Manual

Convention	Example
Standard	Standard Text
Important terms	OpenECM-Framework
Classes	OwAppContext
Methods	<code>getName()</code>
Source Code	<code>public void myMethod(){} // simple source code comment</code>
Java Package	<code>com.wewebu.server.app</code>
Plugins	<code>com.wewebu.ow.server.plugin.owdemo.owmain</code>
Path	<code>com/wewebu/ow/server/...</code>
XML Attribute	<code><node></code>
XML value	<code>value</code>
Internal link to other chapters in the document	Introduction
External link to other documents	INST, chapter "Installing the Configurator"
Product-specific terms	<i>Add Document</i>

Formatting legend for brackets in Source Code, Paths, File Names, etc.:

Ellipsis (...): Parameter the user must supply

Between brackets [...]: Optional items

Between braces {...}, choices separated by pipe |, example: {even|odd}: Set of choices from which the user must choose only one

The following placeholders are used in this document:

- (OpenWorkdesk) - root directory of OWD deployment.
- (Adapter) - the folder in the OWD deployment containing adapter specific configuration
- (Workplace) - root directory of IBM FileNet P8Workplace deployment.
- (Websphere) - installation root of Websphere application server.
- (Tomcat) - installation root of Tomcat application server.
- (JBoss) - installation root of JBoss application server.
- (ContentManager) - installation root of IBM Content Manager.



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1 Introduction

WeWebU OpenWorkdesk (OWD) is a suite of Enterprise Content Management with a web-based, intuitively usable ECM front-end.

Using OWD, even users who have no or little experience with ECM systems can use state-of-the-art ECM functionalities without much training effort. OWD application is accessible via any internet browser, thus it is not necessary to install the framework on every client machine. Within one browser frame window, users can comfortably switch between document retrieval, eFile management and case management and easily access data from integrated external third-party systems. With the help of a fine-granular security and user roles concept, the user is provided with exactly those information and functions for which he is authorized and needs them to complete his tasks.

OWD provides a series of features which make working with the ECM content fast and more productive, e.g. shortcuts, context menus, import of documents via drag & drop, support of different languages and a complete online help. Its standard functions can easily be enhanced and customized according to the individual needs of the customers.

WeWebU OpenWorkdesk is available in three editions. The Community Edition provides user-friendly applications for eFile management and retrieval and supports all CMIS-enabled ECM systems. It can be downloaded for free and is licensed under the GNU Public License. The early availability of Community Edition releases allows using the latest features very fast. Customers can use the Community Edition to develop their own solutions and system integrators can build their own vertical applications on top of WeWebU OpenWorkdesk.

Who ever needs professional assistance, service and support or is searching for an ECM solution with little pre-invest can subscribe for WeWebU OpenWorkdesk Pro Edition. It is licensed according to a subscription model based on the number of processors used in the application server. Customers subscribing to the Pro Edition get full professional support from either WeWebU directly or our highly qualified reselling partners. Both WeWebU's or a partners' professional services organisation efficiently help to create a complete solution that exactly fulfils the customer's needs. WeWebU OpenWorkdesk Pro Edition comes with support for one single CMIS repository, powerful role management, drag & drop and e-mail integration. WeWebU Zero-Install Office Integration and an advanced document viewing option are available as billable add-ons.

The highest demands on functionality, versatility, security, and performance are fulfilled by WeWebU OpenWorkdesk Enterprise Edition. It provides additional native adapters for IBM ECM and BPM systems as well as CMIS and JCR. Furthermore, it includes enterprise features like multitenancy, federation and audit trail, WeWebU Zero-Install Office Integration, advanced document viewing

options and broad support from WeWebU. If you want to get the most out of your ECM systems and have a large number of users, this is the edition of choice.

1.1 About this Document

This manual explains how to deploy the OWD and how to configure the supported ECM infrastructure. It also contains information about how to install the WeWebU OpenWorkdesk Configurator (OWD Configurator). Here is the brief overview of the different chapters in this installation manual.

The chapter **Prerequisites** discusses about the pre-requisites that need to be fulfilled before starting the OWD installation process. Making assurance of the fulfillment of these pre-requisites will provide you a confidence that you are on right track.

The chapter **Recommendations** gives few recommendations about the ports and URL structure of installation.

The chapter **Preparations** is concerned about preparing the building blocks of the installation process which include the settings for application servers, ECM systems, search templates etc.

The chapter **Deploy** describes the actual deployment of OWD starting from the dummy ECM adapter deployment and then steadily moving towards the actual deployment of real ECM adapter. It also discusses which library files are needed for which ECM system and the source & destination locations of these libraries during the deployment.

You need to consult the chapter **Basic Configuration** if something is not working as described in the document. This chapter includes the most common problems that can occur along with their remedies.

The chapter **Hints and Troubleshooting**: After you are done with the installation of OWD with a real ECM adapter, you can configure different components of OWD like Role Manager, History Manager, MIME Type Manager, drag & drop etc. by following the instructions in this chapter.

Chapter **Installing the OWD Configurator**: To facilitate the configuration of plugins and MIME types, OWD comes with a tool named OWD Configurator. This chapter describes how you can install and use this GUI tool to easily configure the plugins and MIME types.

The chapter **Updating OpenWorkdesk** describes how you can update your OWD installation with new updates/fixpacks.

1.2 Intended Audience

This document is intended for software professionals who will install C
Depending on the adapter you want to run with OWD and the OWD €
basic skills to administrate the underlying ECM systems.



For the following ECM systems adapters are provided by OWD, which make use of the native Java APIs:

- IBM FileNet P8 *
- IBM FileNet Image Services *
- IBM Content Manager 8 *
- IBM Content Manager on Demand 8 *

* ECM systems only supported by OWD Enterprise Edition

In addition, OWD provides support for CMIS or JCR 170 compliant ECM repositories.

It is very useful to have basic knowledge about:

- Application Servers:
 - deploying web applications (on WebSphere, JBoss, Oracle WebLogic, Tomcat)
 - classpath configurations
 - configuration of libraries used by your web application
 - log4j configuration, reading of log files
 - xml
- JDBC Connections
- Database knowledge (running DB scripts)

It is recommended to be a System administrator experienced with: DB, application server, Web-Applications, LDAP etc.

 **Note: You must have the authorization to modify and create resources.**



1.3 Checklist

1.	Before starting <input type="checkbox"/> [Chapter 2] Fulfill prerequisites? <input type="checkbox"/> [Chapter 3] Checked recommendations? <input type="checkbox"/> [Chapter 4.1] Checked settings for Application Server? <input type="checkbox"/> [Chapter 4.2] Checked settings for ECM system?
2.	Deployment <input type="checkbox"/> [Chapter 5.1] Dummy ECM adapter deployment is running? <input type="checkbox"/> [Chapter 5.2] Client libraries installed? <input type="checkbox"/> [Chapter 5.2.1.4] Log4j configured? <input type="checkbox"/> [Chapter 5.2.2] OWD configured? <input type="checkbox"/> [Chapter 5.3] Viewer configured? *
3.	Basic configuration <input type="checkbox"/> [Chapter 5.4] Database configured? <input type="checkbox"/> [Chapter 5.4.1.4] Role Manager configured? * <input type="checkbox"/> [Chapter 5.4.1.4] History Manager configured? * <input type="checkbox"/> [Chapter 5.4.1.4] ZIOI installed? * <input type="checkbox"/> [Chapter 5.4.1.4] Drag & Drop applet configured? *
4.	Installing OWD Configurator <input type="checkbox"/> [Chapter 8] New project created and deployment imported?

*) Feature only available in OWD Pro or OWD Enterprise Edition



2 Prerequisites

Before deploying OWD please make sure that your infrastructure meets the following prerequisites on the server-side (2.1) and the client-side (2.2).

2.1 Server-Side Prerequisites

Please check the server-side prerequisites before starting the OWD installation.

2.1.1 Application Server

As the applications built using OWD are web applications, an application server is always required for the execution of these applications. You can test your OWD installation on the application server without a backend ECM system by using our dummy ECM adapter (see chapter 5.1 for more information).

OWD has been successfully tested on several application servers. In the following, you see a list of the most commonly used ones:

- JBoss (only supported for OWD Pro and Enterprise Edition)
- Oracle WebLogic (only supported for OWD Pro and Enterprise Edition)
- IBM WebSphere (only supported for OWD Pro and Enterprise Edition)
- Apache Tomcat (only for Community Edition)

2.1.2 Databases and JDBC Drivers

OWD stores persistency information in a database. Communication with that database is done via JDBC and data sources handled by the application server. In case there is no eligible JDBC driver installed on the application server yet, you need corresponding JDBC libraries from your database vendor. For details see chapter 5.4 Database Connectivity

OWD has been successfully tested with several databases. In the following, you see a list of the most commonly used ones:

- IBM DB2 (only for OWD Pro and Enterprise Edition)
- Microsoft SQL (only for OWD Pro and Enterprise Edition)
- Oracle Database (only for OWD Pro and Enterprise Edition)
- MySQL (only for OWD Community Edition)



2.1.3 Backend ECM Systems

According to the used ECM backend system, the following prerequisites have to be fulfilled.

 **Versions:** See [OWD Release Notes](#) for supported ECM system versions.

2.1.3.1 IBM FileNet P8 (only for OWD Enterprise Edition)

Please make sure that your Workplace deployment is running and you have made a backup. When using IBM FileNet P8, we recommend deploying OWD on the same application server that hosts FileNet Application Engine. In some cases, this is even mandatory.

2.1.3.2 IBM FileNet Image Services (only for OWD Enterprise Edition)

Please make sure that the FileNet Image Services Resource Adapter (ISRA) deployment is running and that the OWD deployment is running on the same application server that hosts ISRA.

2.1.3.3 IBM Content Manager (only for OWD Enterprise Edition)

When using IBM Content Manager, OWD may be deployed on the same application server as the IBM Information Integrator for Content Management (II4C) is.



are the IBM

2.1.3.4 IBM Content Manager on Demand

When using IBM Content Manager on Demand, OWD must be deployed on the same application server where the IBM OnDemand Web Enablement Kit (ODW) is installed.

dition)

tion server

2.1.3.5 JCR (only for OWD Enterprise Edition)

When using the Java Content Repository (JCR) adapter, OWD needs an ECM system that implements the JCR version 1 or JCR version 2 API. The repository of this ECM system must be available to the OWD deployment via JNDI.

2.1.3.6 CMIS

No additional prerequisites have to be fulfilled to connect OWD to an ECM backend system via the Content Management Interoperability Services (CMIS) adapter.

If you want to read more and want to get the most out of your OpenWorkdesk installation go to <http://www.openworkdesk.org/> and register by clicking at the "REGISTER" button on the top right side of the page. Afterwards you can download the full version of this document and other documentation from <http://www.openworkdesk.org/guides> . Furthermore you can post comments and questions in the forum at <http://www.openworkdesk.org/phpbbforum> . Give it a try!

