

WeWebU OpenWorkdesk 3.2.0.0

Community Edition

Quickstart Guide

Copyright

WeWebU Software AG
Hauptstr. 14
91074 Herzogenaurach
Germany

Phone: +49 (9132) 83660 - 0

E-Mail: contact@wewebu.com

<http://www.wewebu.com>

Version 1.9

Status: Approved

Author: WeWebU Software AG

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> |
| Comments in Source 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:

- (Delivery) - the downloaded and extracted OWD Community Edition ZIP-file
- (OpenWorkdesk) - root directory of OWD deployment
- (Tomcat) – installation directory of your Apache Tomcat application server

Table of Contents

| | | |
|----------|---|-----------|
| 1 | Welcome | 4 |
| 2 | Help and further information | 6 |
| 2.1 | USER COMMUNITY..... | 6 |
| 2.2 | TECHNICAL DOCUMENTATION..... | 6 |
| 3 | Setting up OpenWorkdesk Community Edition..... | 7 |
| 3.1 | CHECK THE LOCAL ENVIRONMENT..... | 7 |
| 3.2 | INSTALL OPENWORKDESK COMMUNITY EDITION | 9 |
| 3.2.1 | Deploy OpenWorkdesk Community Edition | 9 |
| 3.2.2 | Connect OpenWorkdesk to an Alfresco Repository | 10 |
| 3.2.3 | Connect to a dummy repository..... | 12 |
| 3.3 | START THE OPENWORKDESK COMMUNITY EDITION | 13 |
| 4 | Setting up the Human Resources Application | 14 |
| 4.1 | ADAPT YOUR IN-HOUSE ALFRESCO INSTALLATION..... | 14 |
| 4.2 | CONFIGURE OPENWORKDESK COMMUNITY EDITION | 16 |
| 5 | Abbreviations | 18 |
| 6 | List of Figures | 19 |
| 7 | Bibliography | 20 |

1 Welcome

Thank you for downloading WeWebU OpenWorkdesk Community Edition. This Quickstart Guide is designed to help you deploy the OpenWorkdesk Community Edition rapidly on a web server and to enable you to quickly set up several different configurations:

- After installing OpenWorkdesk Community Edition, it is possible to run and test the deployment against a system provided by **Alfresco in the cloud**. OpenWorkdesk uses this as its default configuration, so therefore no additional configuration is required. Just check the prerequisites as described in chapter [3.1 Check the local environment](#) and deploy OpenWorkdesk by following the easy steps given in chapter [3.2 Install OpenWorkdesk Community Edition](#).

The following chapter describes the steps of deploying OpenWorkdesk and connecting it to an Alfresco repository.

- Deploy OpenWorkdesk Community Edition. You can launch the OpenWorkdesk deployment as described in chapter [3.3 Start the OpenWorkdesk](#).
- If you want to explore more functionality and/or to improve its performance you might want to consider running OpenWorkdesk on top of an **in-house installation of Alfresco**. The configuration is already prepared. Chapter [3.2.2.2 In-house Alfresco Installation](#) shows what you have to do.
- Finally, we provide a **sample Human Resources application** that gives you a greater insight into what it is possible to do with OpenWorkdesk. The screenshots at <http://openworkdesk.org/screenshots> are taken using this application. The local Alfresco deployment must be populated with documents and data types, and the configuration of OpenWorkdesk Community Edition must be adapted. Chapter [4 Setting up the Human Resources Application](#) describes the necessary steps.
- If you have either problems with connecting to the Alfresco system in the cloud (maybe because the cloud is offline) or setting up a local Alfresco system, you might want to check your deployment by getting a glimpse of OpenWorkdesk working by simply running it on top of the **application server's file system**. The respective configuration is explained in chapter [3.2.3 Connect to a dummy](#).

If you encounter any problems or want to get in-depth information, we recommend that you visit the OpenWorkdesk Community. Chapter [2 Help and further information](#) explains how to get there.

Have fun with your installation of WeWebU OpenWorkdesk Community Edition. We look forward to your feedback.

2 Help and further information

We hope that we can give you a good first impression of OpenWorkdesk when you test it with the configurations that we have provided. If you need any help or would like to have more information, please read further.

2.1 User Community

If you have any problems, please visit our forum at

<http://openworkdesk.org/phpbbforum>

and browse the different threads. However, if you want get the most out of your OpenWorkdesk installation please register and become an active member of the OpenWorkdesk community.

It is quite easy and takes just a few seconds. Just use the “REGISTER” button top right on the page, fill out the form and submit the registration. Shortly afterwards you'll receive a confirmation e-mail with your account information. Once you are logged-in, you will be given permission to post your own questions and suggestions in the forum and even the possibility to comment on other community members' posts.

2.2 Technical Documentation

While the Quickstart Guide enables you to setup a preconfigured OpenWorkdesk environment we encourage you to build your own solution using the Tutorial at

<http://openworkdesk.org/tutorial>.

By registering with our community forum, you will also be able to obtain access the “guides” page at

<http://openworkdesk.org/guides>

where you will be able to download in-depth technical documentation about OpenWorkdesk:

- Plan your installation with the detailed [Installation Guide](#) (84 pages).
- Explore the manifold configuration possibilities of OpenWorkdesk. See how to transform the generic OpenWorkdesk into a specific application by simple configuration. Read the [Configuration and Planning Guide](#) (95 pages).
- Program extra functionality for OpenWorkdesk. See how you can extend OpenWorkdesk with own code in the [Developer Manual](#) (156 pages).

3 Setting up OpenWorkdesk Community Edition

Please make sure that you complete the following steps, in order to set up the environment correctly.

3.1 Check the local environment

This chapter gives an overview of prerequisites on server side environment.

3.1.1 OpenWorkdesk Web Application Server

Before you can deploy OpenWorkdesk Community Edition, verify that you have the correct setup to do so. So far, OpenWorkdesk Community Edition was successfully tested on Windows XP, Windows 7 and Ubuntu 10.04 x32 operating systems.

OpenWorkdesk Community Edition will work with every Java runtime environment (JRE) version 1.5.x or later, provided by Sun or Oracle. Furthermore, OpenWorkdesk Community Edition will run on every Apache Tomcat web server in version 5.5.x or later. Apache Tomcat can be downloaded at <http://tomcat.apache.org>.

⚠ Do not use the Apache Tomcat web server that comes with a local Alfresco installation for deploying OpenWorkdesk Community Edition, as there might be library conflicts!

When using an Apache Tomcat web server version 6.0.x in combination with a JRE 1.6.x you will need to do the following steps to avoid an `Webservice.paramName(...)` error:

1. Create the folder **(Tomcat)\endorsed** (in case it does not already exist) in the Tomcat instance in which you plan to install the OpenWorkdesk Community Edition.
2. Copy the **webservices-api.jar** from **(Delivery)\bin\lowWEB-INF\lib** into the folder created in step 1.

More information concerning this error can be found here:

https://metro.dev.java.net/guide/Using_JAX_WS_2_x___Metro_1_x_2_0_with_Java_SE_6.html

⚠ Please note that the steps above DO NOT relate to the Apache Tomcat coming with the Alfresco installation. If you copied the webservices-api.jar to the Apache Tomcat **endorsed folder of the Alfresco installation anyhow, Alfresco's communication web services will not start up correctly. Please remove the webservices-api.jar and restart the Apache Tomcat web server hosting your local Alfresco installation.**

- ⚠ OpenWorkdesk Community Edition should also run on other web servers, but this is not fully tested, yet. Therefore, we strongly recommend you to use an Apache Tomcat web server. OpenWorkdesk Professional and Enterprise Edition are fully supported by IBM WebSphere, Red Hat JBoss and Oracle WebLogic.**

To avoid port conflicts, when running two instances of Apache Tomcat (e.g. if you have a local Alfresco installation running in a second Apache Tomcat), you must adapt the port settings of the Apache Tomcat that is hosting OpenWorkdesk, and this can be done by configuring the **server.xml** file in the **(Tomcat)\conf** directory with a text editor.

- ⚠ If you test the OpenWorkdesk against the online Alfresco system, you can skip this step.**

We suggest changing default ports 8005, 8009 and 8080 like in the following excerpt of **server.xml**:

```
...
<!--This was port 8005-->
<Server port="8006" shutdown="SHUTDOWN">
...
<!--This was port 8080-->
<Connector port="8090" protocol="HTTP/1.1"
           connectionTimeout="20000"
           redirectPort="8443" />
...
<!--This was port 8009-->
<Connector port="8010" protocol="AJP/1.3" redirectPort="8443" />
...
```

- ⚠ Of course you can use all available ports in your environment, but be aware that this guide is using the ports configured in the example above, so if this guide is using for example port 8090 in any of its chapters, you would have to use your chosen and configured port instead.**

3.1.2 Alfresco

If you want OpenWorkdesk connect to an Alfresco Repository please refer also the Release Notes. Due to many changes from Alfresco Version 3.4 to 4.0 and its CMIS Interface, OpenWorkdesk Community Edition currently does not work without problems. Alfresco will solve these problems until out coming of Alfresco Enterprise Version 4.0. Therefore we heavily recommend using a former Version of Alfresco.

The latest working Version is Alfresco 3.4.e which can be downloaded from following location:

http://wiki.alfresco.com/wiki/Alfresco_Community_3.4.e_Download

3.2 Install OpenWorkdesk Community Edition

The following chapter describes the steps required for deploying OpenWorkdesk and connecting it to an Alfresco repository or any other CMIS-compliant repository.

3.2.1 Deploy OpenWorkdesk Community Edition

This chapter describes how to deploy OpenWorkdesk Community Edition on your Apache Tomcat web server configured in chapter 3.1 [Check the local environment](#). You will simply need to copy the folder **ow** from **(Delivery)\bin** and paste it into your Apache Tomcat's webapps directory **(Tomcat)\webapps** to deploy OpenWorkdesk Community Edition.

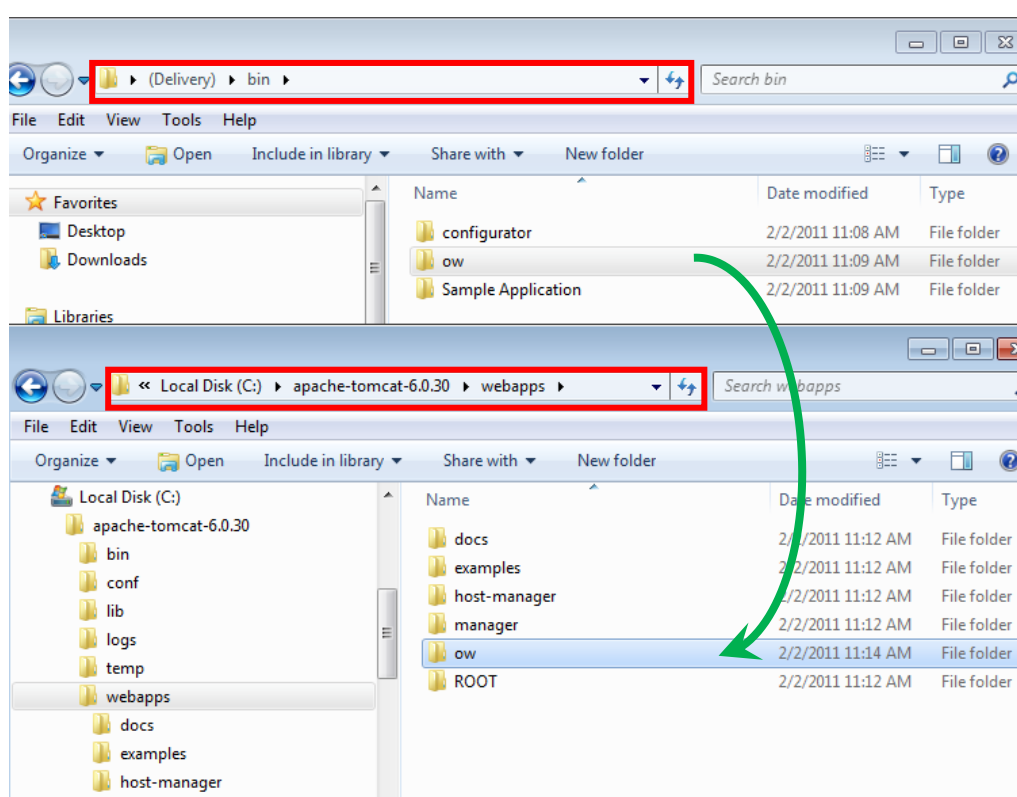


Fig. 1) Deploying OWD Community Edition

⚠ Do not use the Apache Tomcat web server that comes with a local Alfresco installation for deploying OpenWorkdesk Community Edition, as there might be library conflicts! See chapter 3.1 [Check the local environment](#).

If you are upgrading a former version of OpenWorkdesk or you have other issues concerning the installation process, please consult the OpenWorkdesk Community Forum [Installation & Upgrade Help](#).

3.2.2 Connect OpenWorkdesk to an Alfresco Repository

The following chapters describe different ways how to connect to an Alfresco repository. This Quickstart Guide only relates to Alfresco repository connections, however OpenWorkdesk is designed to run on top of any CMIS-compliant repository. For further information please go to the [OpenWorkdesk Community Forum](#).

3.2.2.1 Alfresco System in the Cloud

OpenWorkdesk Community Edition is configured to run on top of an Alfresco system in the cloud by default. If you want to test it against this system, no further configuration will need to be done. Just ensure, that the system, where the OpenWorkdesk is installed is able to connect to the online repository in the cloud. Use the following link to check the connection from the system where OpenWorkdesk is installed.

<http://cmis.alfresco.com/cmisis/RepositoryService?wsdl>

The browser should return something like the following:

```
<?xml version="1.0" encoding="UTF-8" ?>
- <wsdl:definitions name="RepositoryService" targetNamespace="http://docs.oasis-open.org/ns/cmisis/ws/200908/" xmlns:ns1="http://docs.oasis-open.org/ns/cmisis/messaging/200908/"
  xmlns:ns2="http://cf.apache.org/bindings/xformat" xmlns:soap="http://schemas.xmlsoap.org/wsdl/soap/" xmlns:tns="http://docs.oasis-open.org/ns/cmisis/ws/200908/"
  xmlns:wsdl="http://schemas.xmlsoap.org/wsdl/" xmlns:xsd="http://www.w3.org/2001/XMLSchema">
- <wsdl:types>
- <xs:schema attributeFormDefault="unqualified" elementFormDefault="qualified" targetNamespace="http://docs.oasis-open.org/ns/cmisis/messaging/200908/"
  xmlns:ns1="http://docs.oasis-open.org/ns/cmisis/core/200908/" xmlns:tns="http://docs.oasis-open.org/ns/cmisis/messaging/200908/"
  xmlns:xsd="http://www.w3.org/2001/XMLSchema">
  <xs:import namespace="http://docs.oasis-open.org/ns/cmisis/core/200908/" />
- <xs:element name="addObjectToFolder">
- <xs:complexType>
- <xs:sequence>
  <xs:element name="repositoryId" type="xsd:string" />
  <xs:element name="objectId" type="xsd:string" />
  <xs:element name="folderId" type="xsd:string" />
  <xs:element minOccurs="0" name="allVersions" type="xsd:boolean" />
  <xs:element name="extension" type="tns:cmisisExtensionType" />
</xs:sequence>
</xs:complexType>
</xs:element>
- <xs:element name="addObjectToFolderResponse">
- <xs:complexType>
```

Now you should be able to start OpenWorkdesk as described in Chapter [3.3 Start the OpenWorkdesk](#).

3.2.2.2 In-house Alfresco Installation

If you want to run OpenWorkdesk Community Edition on top of an in-house installation of an Alfresco ECM backend via the CMIS adapter you will need to change the configuration.

⚠ Please see chapter [3.1.2 Alfresco](#) regarding Alfresco Versions working with OpenWorkdesk.

In order to do so, you must first edit the configuration file **(OpenWorkdesk)\WEB-INF\conf\cmis\lowbootstrap.xml** with a text editor (e.g. Notepad.exe). Search for the tag **<EcmAdapter>** and its **<WSDL*...*>** entries. You will find two blocks of WSDL configurations: one block for setting up OpenWorkdesk on top of an in-house Alfresco system and the other block to run OpenWorkdesk on top of an online Alfresco system in the cloud.

In order to use OpenWorkdesk on top of your **in-house Alfresco** system, comment out the block for the online Alfresco system configuration and uncomment the block for the local Alfresco system as follows:

```
<!-- Alfresco local CMIS WSDL location -->
<WSDLRepository>http://server:port/alfresco/cm/RepositoryService?wsdl</WSDLRepository>
<WSDLNavigation>http://server:port/alfresco/cm/NavigationService?wsdl</WSDLNavigation>
<WSDLObject>http://server:port/alfresco/cm/ObjectService?wsdl</WSDLObject>
<WSDLMultifiling>http://server:port/alfresco/cm/MultiFilingService?wsdl</WSDLMultifiling>
<WSDLDiscovery>http://server:port/alfresco/cm/DiscoveryService?wsdl</WSDLDiscovery>
<WSDLVersioning>http://server:port/alfresco/cm/VersioningService?wsdl</WSDLVersioning>
<WSDLRelationship>http://server:port/alfresco/cm/RelationshipService?wsdl</WSDLRelationship>
<WSDLPolicy>http://server:port/alfresco/cm/PolicyService?wsdl</WSDLPolicy>
<!-- <WSDLACL>...currently not supported...</WSDLACL> -->
```

- ⚠ **The Alfresco Community Edition can be downloaded at <http://alfresco.com>.**
- ⚠ **The values `server` and `port` in the above example should be adopted according to your local Alfresco installation, e.g. <http://localhost:8080/>...**
- ⚠ **After changing your configuration, you must restart Apache Tomcat, which is hosting the OpenWorkdesk deployment, before your changes can take effect.**

3.2.2.3 Switching back to the Alfresco Cloud System

To switch back OpenWorkdesk on top of the **online Alfresco** system (default setting) in the cloud, comment out the block for the local Alfresco system configuration and uncomment the block for the online Alfresco system as follows:

```
<!-- Alfresco online CMIS WSDL location -->
<WSDLRepository>http://cmis.alfresco.com/cm/RepositoryService?wsdl</WSDLRepository>
<WSDLNavigation>http://cmis.alfresco.com/cm/NavigationService?wsdl</WSDLNavigation>
<WSDLObject>http://cmis.alfresco.com/cm/ObjectService?wsdl</WSDLObject>
<WSDLMultifiling>http://cmis.alfresco.com/cm/MultiFilingService?wsdl</WSDLMultifiling>
<WSDLDiscovery>http://cmis.alfresco.com/cm/DiscoveryService?wsdl</WSDLDiscovery>
<WSDLVersioning>http://cmis.alfresco.com/cm/VersioningService?wsdl</WSDLVersioning>
<WSDLRelationship>http://cmis.alfresco.com/cm/RelationshipService?wsdl</WSDLRelationship>
<WSDLPolicy>http://cmis.alfresco.com/cm/PolicyService?wsdl</WSDLPolicy>
<!-- <WSDLACL>...currently not supported...</WSDLACL> -->
```

- ⚠ **After changing your configuration, you must restart Apache Tomcat, which is hosting the OpenWorkdesk deployment, before your changes can take effect.**

3.2.3 Connect to a dummy repository

OpenWorkdesk comes with a dummy adapter, which allows you to use OpenWorkdesk on top of a file system, so that you can get an impression of working with OpenWorkdesk without having to connect with a real ECM repository.

To switch between OWD's CMIS configuration (default setting) and the dummy configuration, the **web.xml** file under **(OpenWorkdesk)\WEB-INF** must be edited with a text editor. Dummy configuration is activated by editing the lines in the `<context-param>` element and commenting out CMIS configuration as in the following example:

```
<context-param id="OwResourceFilePath">
  <param-name>OwResourceFilePath</param-name>

  <!-- Configuration "dummy": Test environment with full functionality -->
  <param-value>deploy#WEB-INF/conf/dummy</param-value>

  <!-- Configuration CMIS: CMIS adapter. -->
  <!-- <param-value>deploy#WEB-INF/conf/cmisis</param-value> -->

</context-param>
```

- ⚠ OWD Community Edition comes with dummy and CMIS configuration. Configurations for other ECM backend systems, like IBM FileNet P8, are supported in OWD Enterprise Edition, only!**
- ⚠ After changing your configuration, you must restart Apache Tomcat, which is hosting the OpenWorkdesk deployment, before your changes can take effect.**

3.3 Start the OpenWorkdesk Community Edition

Finally you can now start your OWD deployment by launching your Apache Tomcat server and calling the URL <http://<IP-address>:<Port>/<deployment-name>> inside your favorite web browser.

- ⚠ **If you configured your local Apache Tomcat's ports as described in chapter 3.1 Check the local environment and deployed OpenWorkdesk Community Edition as described in chapter 3.2 Install OpenWorkdesk Community Edition**

The following chapter describes the steps required for deploying OpenWorkdesk and connecting it to an Alfresco repository or any other CMIS-compliant repository.

- ⚠ **Deploy OpenWorkdesk Community Edition you should now be able to call OWD via URL <http://localhost:8090/ow>.**
- ⚠ **At the moment, OWD is fully supported on the following web browsers: Internet Explorer 7 or later and Mozilla Firefox 3.5 or later.**

If you are using OpenWorkdesk Community Edition on top of the online Alfresco system, login with user “**admin**” and password “**admin**”. However if you are using OpenWorkdesk Community Edition on top of an in-house Alfresco system, please use the login credentials for this Alfresco installation.

If you were able to connect and login to OpenWorkdesk, your installation was successful. At this stage you should be able to get your own impression of the intuitive and feature-rich OpenWorkdesk. Don't hesitate to let us know your ideas and please send your feedback to the OpenWorkdesk community forum at

<http://openworkdesk.org/phpbbforum>.

In case you might have any further problems (e.g. installation or connection problems), please also consult the [OpenWorkdesk Community Forum](#), where you will be able to find or ask for help.

For any further information, like FAQs, the OpenWorkdesk Installation Guide [\[INST\]](#) or the OpenWorkdesk Configuration and Planning Guide [\[CONFPLAN\]](#), please feel free to register at <http://openworkdesk.org>.

4 Setting up the Human Resources Application

OpenWorkdesk Community Edition can be transformed to a fully-functioning Human Resources (HR) application. In order to do this, your in-house Alfresco repository will need be filled with a data model and exemplary documents, and the configuration inside OpenWorkdesk Community Edition will need to be slightly adapted. This chapter describes the necessary steps.

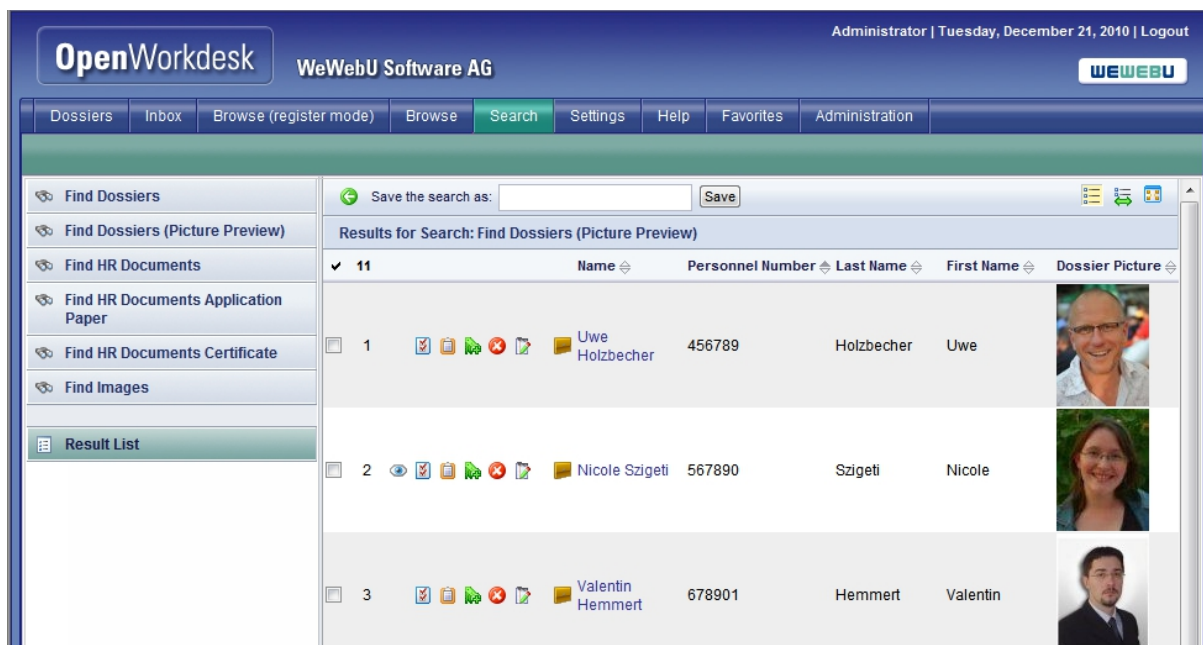


Fig. 2) Sample HR application: Search for employee dossiers

4.1 Adapt your in-house Alfresco installation

Initially you will need to populate your in-house Alfresco repository with example documents, before you can start using the Human Resources application with OpenWorkdesk. To do this, simply run **install-owd-hr.bat** (for Windows OS) or **install-owd-hr.sh** (for Linux OS). Both scripts can be found in **(Delivery)\bin\Sample Application\Human Resources Application** and can be executed inside a Windows command window or the Linux shell with parameters similar the following:

install-owd-hr.bat -ap <alfresco_path> -u <user_name> -p <password> (for Windows OS)

sudo install-owd-hr.sh -ap <alfresco_path> -u <user_name> -p <password> (for Linux OS)

- ⚠ If you are running Windows Vista or Windows 7, please ensure to open the command line window (cmd.exe) as administrator, by right-clicking on cmd.exe and selecting "Run as administrator".

- ⚠ The parameter <alfresco_path> must point to the installation path of your in-house Alfresco installation, <user_name> and <password> are the administrative user name and the corresponding password of your in-house Alfresco installation.

Examples:

install-owd-hr.bat -ap C:\Alfresco -u adminuser -p adminpass (for Windows OS)

install-owd-hr.sh -ap /opt/alfresco -u adminuser -p adminpass (for Linux OS)

A shell script should run and populate your in-house Alfresco system with data, which is required for the Human Resources sample application to run correctly. The script should finish with the statement “Successfully ran OWD Open Air installer...” like in the following command window for Windows operating systems:

```

C:\WINDOWS\system32\cmd.exe
2010-07-30 14:52:30.643 [main] INFO OwOpenAir [] - Property owd:hrD
ocumentType - [String values = [Social Security]]
2010-07-30 14:52:30.643 [main] INFO OwOpenAir [] - Property owd:doc
umentComment - [String values = []]
2010-07-30 14:52:31.796 [main] INFO OwOpenAir [] - added object with ID wor
kspace://SpacesStore/ed57c31f-6a5b-429e-b817-a35a4ebab26b
2010-07-30 14:52:31.796 [main] INFO OwOpenAir [] - adding D:owd:hrdocument
2010-07-30 14:52:31.796 [main] INFO OwOpenAir [] - Content BenBacht
al/OWD_Screenshot.jpg - image/jpeg
2010-07-30 14:52:31.796 [main] INFO OwOpenAir [] - Property cmis:na
me - [String values = [OWD Screenshot JPG]]
2010-07-30 14:52:31.796 [main] INFO OwOpenAir [] - Property owd:doc
umentPersonnelNumber - [String values = [890123]]
2010-07-30 14:52:31.796 [main] INFO OwOpenAir [] - Property owd:hrD
ocumentType - [String values = [Application Paper]]
2010-07-30 14:52:31.796 [main] INFO OwOpenAir [] - Property owd:doc
umentComment - [String values = []]
2010-07-30 14:52:32.494 [main] INFO OwOpenAir [] - added object with ID wor
kspace://SpacesStore/adf5165f-b496-43ef-8d16-5d7d57742e4d
2010-07-30 14:52:32.494 [main] INFO OwOpenAir [] - Stopping [Alfresco 3x data b
atch action ]
2010-07-30 14:52:32.494 [main] INFO OwOpenAir [] - Successfully ran OWD Open Ai
r installer @ Alfresco Community Edition 3.x
C:\OWD_HR_Scenario_openair>

```

Fig. 3) Successful population of the in-house Alfresco installation

- ⚠ The installer script may run several minutes, as it populates the Alfresco repository with a lot of documents, which are all needed by the OpenWorkdesk HR application. Please do not abort the running script.
- ⚠ The batch script can be run only once. If it fails for whatever reason, you will need to uninstall Alfresco and reinstall it again, since it will otherwise not be possible to run the script again.

4.2 Configure OpenWorkdesk Community Edition

As a last step you will need to reconfigure the OpenWorkdesk Community Edition, so that it works as the predefined HR application. This means that you will need to configure your CMIS adapter and therefore you will need to edit the configuration file **(OpenWorkdesk)\WEB-INF\conf\cmis_hr\lowbootstrap.xml** with a text editor (e.g. Notepad.exe). Search for the tag `<EcmAdapter>` and its `<WSDL*...*>` entries and configure the entries for your local Alfresco system (compare chapter [3.2.2.2 In-house Alfresco Installation](#)).

Furthermore you will need to adapt your configuration section in **web.xml**, which can be found under **(OpenWorkdesk)\WEB-INF**, so that it points to a preconfigured CMIS HR configuration set called **cmis_hr**, similar as in the following example:

```
<context-param id="OwResourceFilePath">
  <param-name>OwResourceFilePath</param-name>

  <!-- Configuration "dummy": Test environment with full functionality -->
  <!-- <param-value>deploy#WEB-INF/conf/dummy</param-value> -->

  <!-- Configuration CMIS: CMIS adapter. -->
  <!-- <param-value>deploy#WEB-INF/conf/cmisis</param-value> -->

  <!-- Configuration "cmis_hr": Demo Human Resource scenario -->
  <param-value>deploy#WEB-INF/conf/cmisis_hr</param-value>

</context-param>
```

⚠ If you want to use the preconfigured *cmis_hr* configuration set, please make sure that you commented out all other configuration sets except *cmis_hr*.

⚠ After changing your configuration, you must restart Apache Tomcat before your changes can take effect.



After restarting your OpenWorkdesk deployment, you can access the HR application by connecting to OpenWorkdesk through your Browser and using the log-in credentials, which are configured in the Alfresco Repository.

If you are able to connect and login to OpenWorkdesk, you have successfully deployed the HR application. Go on! Play with it! And get your own impressions of the intuitive and feature-rich OpenWorkdesk. Don't hesitate to let us know your ideas and feedback in the OpenWorkdesk community forum at

<http://openworkdesk.org/phpbbforum>.

Now that you've got a first impression you might want to learn more about OpenWorkdesk. Please refer to the [Tutorial](#) which assists you in configuring and building your own solution like the Human Resource Application. This Tutorial will help you create new Plugins, explains the differences between physical, semi-virtual and virtual eFiles and how to create them, create your custom search templates and use additional Plugins. Find out how easy it is. It's only a short step to your own Business Application. Consult

<http://openworkdesk.org/tutorial>.

In case you might have any further issues (e.g. installation or connection problems), please also consult the [OpenWorkdesk Community Forum](#), where you will be able to find or get help.

For any further information, like FAQs, the OpenWorkdesk Installation Guide [\[INST\]](#) or the OpenWorkdesk Configuration and Planning Guide [\[CONFPLAN\]](#), please feel free to register at

<http://openworkdesk.org>.

5 Abbreviations

| | |
|------|--|
| CMIS | Content Management Interoperability Services |
| ECM | Enterprise Content Management |
| HR | Human Resources |
| OWD | WeWebU OpenWorkdesk |
| WSDL | Web Services Description Language |

All trademarks, trade names, registered trademarks, or registered trade names are property of their respective holders.

6 List of Figures

| | | |
|----------------|---|----|
| Fig. 1) | Deploying OWD Community Edition | 9 |
| Fig. 2) | Sample HR application: Search for employee dossiers..... | 14 |
| Fig. 3) | Successful population of the in-house Alfresco installation | 15 |

7 Bibliography

[CONFPLAN] OpenWorkdesk Configuration and Planning Guide

[INST] OpenWorkdesk Installation Guide

See also chapter [2.2 Technical Documentation](#) if you want to obtain guides for OpenWorkdesk.