Installation Guidelines for icoya OpenContent (Linux Version, Red Hat 7.2, SuSE)

The installation of icoya OpenContent is divided into several steps. The first step is to unpack the icoya OpenContent (iOC) installation file.

The icoya OpenContent installation files are contained in the packed archive (gzipped tar file) with name

icoyaOpenContent-1.3.4.tar.gz

NOTE: We do not offer icoya OpenContent as a rpm package, as we want to enable users without super user (root) rights to profit from our product. This is important for installations using service providers or other shared environments.

Preparation

icoya OpenContent can be installed as normal user (short user) or super user (root). Before you install iOC as super user, you should know about super user rights on Linux or Unix system and have previous experience as super user. struktur AG recommend the installation as normal user without super user rights.

If you want to install iOC as super user (root), please log onto your system as root. To install iOC without super user rights (as a normal user), the users home directory or sub directory of the home directory should be used for the installation of iOC. For a system wide installation of icoya OpenContent the system directories /usr/local/iOC or /opt/iOC should be used

Depending as which user you want to install iOC log onto your system as super user (root) or normal user and change into the insatllation directory (here ~/ is used)

as normal user (user) :
cd ~/

as superuser (root) :
su –
cd /usr/local

Unpacking

Unpack the archive using the following command (*root* and *user*):

tar xvzf icoyaOpenContent1.3.4.tar.gz

The installation files will now be unpacked into the installation directory.

Installation

The installation uses the installation script "install". To start the script change into the installation directory (for example: as normal user ~/icoyaOpenContent1.3.4/iOC, or as root /usr/local/icoyaOpenContent1.3.4/iOC). In the following, this directory will be referred to as [iOC]. In the directory start the install script:

As *root* and *user*

cd [iOC]
./install

The installation script compiles the Python source code and changes file access right for various files.

IMPORTANT:
If you have installed iOC as super user you have to perform the following command in order to change the ownership of the [iOC]/var directory. This is necessary, as after the start of iOC the process will be detached from the super user, and will run as user nobody. In the [iOC] directory enter the command:

chown –R nobody.nobody ./var

The directory [iOC]/var is now owned by the user nobody.

Administrator Password

At the end of the installation, the script generates the administrator password and echoes it onto the screen. Please note this password! The password is needed later to manage the Zope server and the Zope Database (ZODB).

Start icoya OpenContent

To start the icoya OpenContent's Zope server execute the start script (both *root* and *user*)

./start

Note:
The Zope server should not be started as root for security reasons during the normal running of icoya OpenContent. Please have a look in the Zope installation read-me file (./iOC/doc/INSTALL.txt)

Log onto the icoya OpenContent demo portal

Please start an Internet browser that supports cascading style sheets (CSS2-support). Nearly all-modern browser support CSS2. Suitable browsers are: Microsoft Internet Explorer 5.5. or later (Windows), Mozilla 1.0 (Linux, Windows, OS/2, BSD and MacOS) and Opera (Linux, Windows).

The icoya OpenContent demo portal (ExpoSpace Demo) can be viewed with the browser using the following URL.

http://localhost:8080/

The included ExpoSpace Demo has predefined users and users passwords. The following table lists all users and passwords:

Username	Role	Password
admin	administrator	expospace
chefredakteur	editor in chief	expospace
redakteur	editor	expospace
besucher	visitor	expospace

To create, edit and publish content it best to log on as administrator (username "admin") or editor in chief (username "chefredakteur"). The editor (username "redakteur") is allowed to create and edit, but not to publish content. The publishing rights are limited to the administrator and chief editor role.

Administer the Zope server
To manage the Zope server please log on using the following URL:

http://localhost:8080/manage

To login please use the username admin and the administrator password noted earlier.

Creating a new icoya Portal

In the Zope administrator area, you can now create a new icoya OpenContent portal. In principle, it is possible to create an arbitrary number of portals. The number of users is also not restricted.

To create new portals please select the menu option "icoya site" in right hand top corner in the Zope administrator area. To create the new portal click on the "Add" button. The browser window displays the new page "Add icoya site". Please enter a unique "Id" for the new portal, e.g. "myPortal". The entered ID is later a part of the portal's URL. Please do not use any special characters or white spaces (tabs, spaces, etc.). You can enter an arbitrary title for the portal. Please choose "Create a new user folder in the portal" for the menu option "Membership source". Once you have entered all necessary options click on the "Add icoya site" button. The portal will now be created.

Access the new Portal

The new portal can now be accessed using the following URL:

http://localhost:80808/myPortal

After the creation of the new portal, it is recommended to create new users or change the passwords of existing users.

Change Zope's HTTP Port

After the installation, the HTTP port 8080 is predefined. The port number can be changed using the option "-w" at the start. To use port number 80, start the server using the command

./start –w 80

icoya OpenContent and Zope is now configured to run on the standard HTTP port 80.

IMPORTANT: To use port numbers lower than 1024 in Linux and Unix you have to have root permissions.

Alternatively, to change the port number via the start option "-w", you can change the port number in the start-up file "z2.py". To edit the "z2.py" file use a usual text editor like "emacs" or" vi". In the editor, look for the line containing the instruction HTTP_PORT=8080:

 # Port for HTTP Server. The standard port for HTTP services is 80.
HTTP_PORT=8080

Change the number to the desired port.

Stop the server

To halt the server, start the stop script. Execute the script in the icoya OpenContent directory using the command:

./stop

It is possible to restart or stop the server via the administration area in the Zope user interface (http://localhost:8080/manage).

Uninstall icoya OpenContent

WARNING: A uninstallation will remove **all** data from your system. You cannot not reproduce this data without a backup system!

In order to uninstall icoya OpenContent, you have to physically delete the installation folder. To do that, go to the home installation folder (the following are examples and not necessary the same folder you have installed iOC!):

as normal user (user) :
cd ~/

as superuser (root) :
su –
cd /usr/local

and remove the complete icoya OpenContent folder by entering the command :

rm –rf ./iOC

icoya OpenContent is now removed from your system and all data is lost.

Detailed Documentation

The icoya OpenContent manuals are available online (www.icoya.com). For detailed documentation concerning Zope, please consult the Zope community web page (www.zope.org)

Please mail us questions or suggestions concerning icoya OpenContent to support@struktur.de.

Your struktur AG team