



# oc4ware

# Software 4 Open Communities

Presented by Sandro Zic



Conference: UKUUG 2003, 2003/07/31-08/03  
Session: oc4ware, 2003/08/?  
Speaker: Sandro Zic, [sandro.zic@zzoss.com](mailto:sandro.zic@zzoss.com)  
Company: ZZ/OSS, [www.zzoss.com](http://www.zzoss.com)

# What is this session about?

The “Sourceforge for Knowledge Workers”.

A Web application for collaborative content and metadata creation as well as annotation.



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## Background

- Started March 2001
- paused since January 2003, waiting for development of CONESYS, then rename oc4ware?
- Latest is oc4ware 0.4.2
- Mainly developed by Sandro Zic and Christian Zonsius, today ZZ/OSS
- [www.oc4ware.org](http://www.oc4ware.org)
- GPL
- Linux, Apache, MySQL, PHP, XML



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# Who is speaking?

- Sandro Zic
- Programmer, Author, CEO
- ZZ/OSS Information Networking GbR
- Tübingen/Germany
- [www.zzoss.com](http://www.zzoss.com)
- [sandro.zic@zzoss.com](mailto:sandro.zic@zzoss.com)



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# Who is listening?

Let's ask the audience:

- Who does software development?
- Who implements, administrates CMS?
- Who calls himself a „knowledge worker“?



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# Users of oc4ware

Knowledge workers in general, especially

- **Scientists**
- **University/school teachers**, trainees, pupils, etc.
- **Companies and eLancers**



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# Knowledge Communities

- Collaboration, social software
- Semi-structured and atomized content and metadata
- Distributed content and knowledge networks
- Self-organisation, bottom-up
- Immitating the Knowledge Society



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# Editorial Boards

- **Group of knowledge workers**, commonly interested in the same topic.
- Use the oc4ware to publish and to **work with content and metadata** online.
- Similar to *projects* on **Sourceforge** ([www.sourceforge.net](http://www.sourceforge.net))
- Examples:
  - » Online-Journal dealing with a certain scientific topic
  - » Teachers' Journal dealing with a certain topic
  - » Editorial boards offering material for trainees



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# Key metadata of a Journal

## Edit Journal












[New](#)
[Open](#)
[Summary](#)
[Members](#)
[Publications](#)
[Forums](#)
[Journals](#)
[News](#)
[Files](#)
[Subjects](#)



### Key Data (mandatory)

Created: 0000-00-00 00:00:00

Changed: 2002-07-13T22:08:00+02:00

Number: 4

Language:

Short Name:

Full Name:

Description:

### Additional Data (optional)

Postal Address:

Homepage URL:

Terms and Conditions:



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# Members of a Journal

## List of Journal Members














[New](#) [Open](#) [Summary](#) [Members](#) [Publications](#) [Forums](#) [Journals](#) [News](#) [Files](#) [Subjects](#)

## assigned members

### name

[ordnas](#) (Sandro Zic)
 

[czonsius](#) (Christian Zonsius)
 

[oc4ev](#) ( oc4 e.V.)
 

## add member

enter username (part of it)  
or member number:














[New](#) [Open](#) [Summary](#) [Members](#) [Publications](#) [Forums](#) [Journals](#) [News](#) [Files](#) [Subjects](#)



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# Subjects of a Journal

## Journal Subjects



[New](#) [Open](#) [Summary](#) [Members](#) [Publications](#) [Forums](#) [Journals](#) [News](#) [Files](#) [Subjects](#)

## Selected (max. 3)

## Chose Subject

### odp:Computers:Organizations

- [Associations](#)
- [Directories](#)
- [Professional](#)
- [User Groups](#)
- [Committees](#)
- [Non-Profit](#)
- [Student](#)
- [Working Groups](#)

## Chose Catalogue

Name	Description
<a href="#">ODP</a>	The Open Directory Project (ODP) is the largest, most comprehensive human-edited directory of the Web. It is constructed and maintained by a vast, global community of volunteer editors.



[New](#) [Open](#) [Summary](#) [Members](#) [Publications](#) [Forums](#) [Journals](#) [News](#) [Files](#) [Subjects](#)



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# Administration of Metadata

## Edit Catalogue Structure



[New](#) [Open](#) [Summary](#) [Structure](#)

Root: /

### odp:Computers:Organizations

- [Associations](#) (root)
- [Directories](#) (root)
- [Professional](#) (root)
- [User Groups](#) (root)
- [Committees](#) (root)
- [Non-Profit](#) (root)
- [Student](#) (root)
- [Working Groups](#) (root)



[New](#) [Open](#) [Summary](#) [Structure](#)



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# Editing Metadata

## Edit Catalogue Structure



[New](#) [Open](#) [Summary](#) [Structure](#)

Root: /

### **odp:Computers:Organizations**

- Subject: Associations
- Description: Buttom-up organizations with common interests.



- [Directories](#) (root)
- [Professional](#) (root)
- [User Groups](#) (root)

- [Committees](#) (root)

- [Non-Profit](#) (root)
- [Student](#) (root)
- [Working Groups](#) (root)

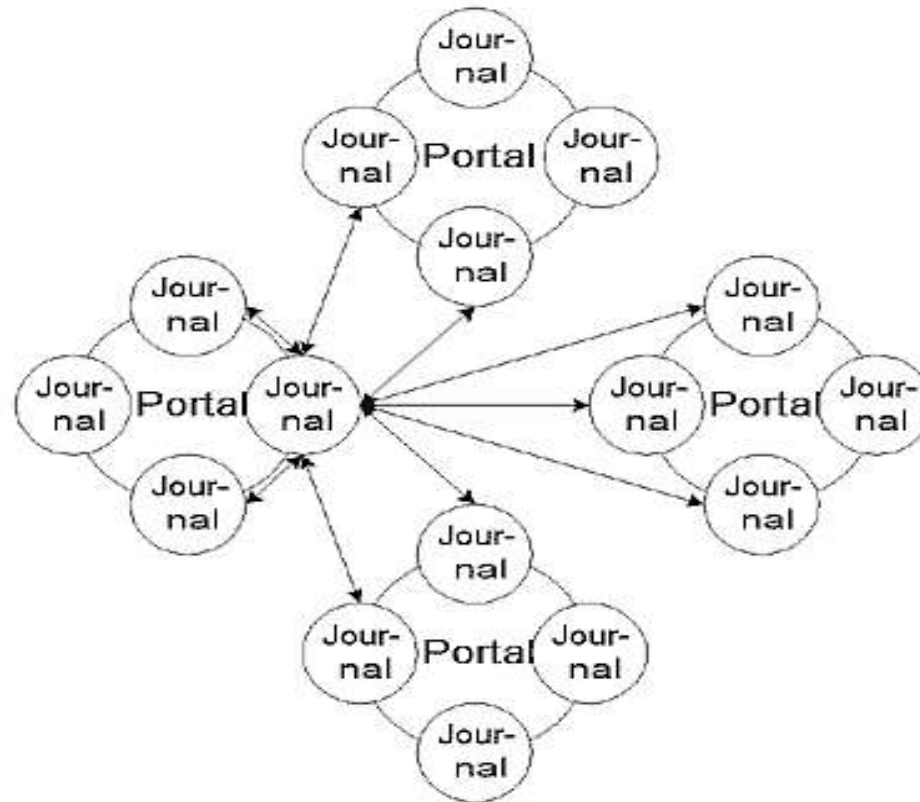


[New](#) [Open](#) [Summary](#) [Structure](#)



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# General Architecture



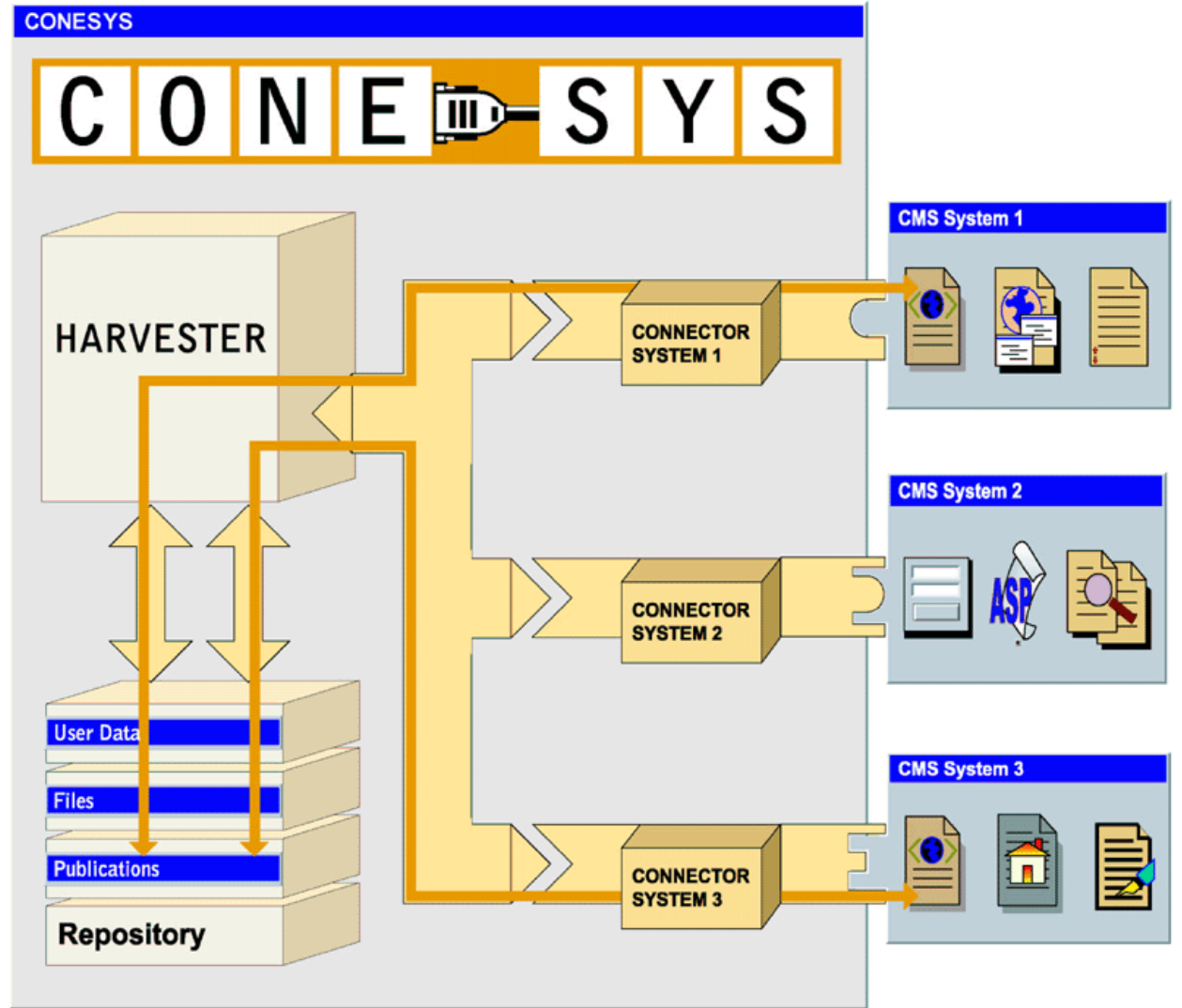
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# COntent NEtwork SYStem

Distribute data  
between legacy  
systems

Multiple  
network  
topologies

DNS-like  
configuration

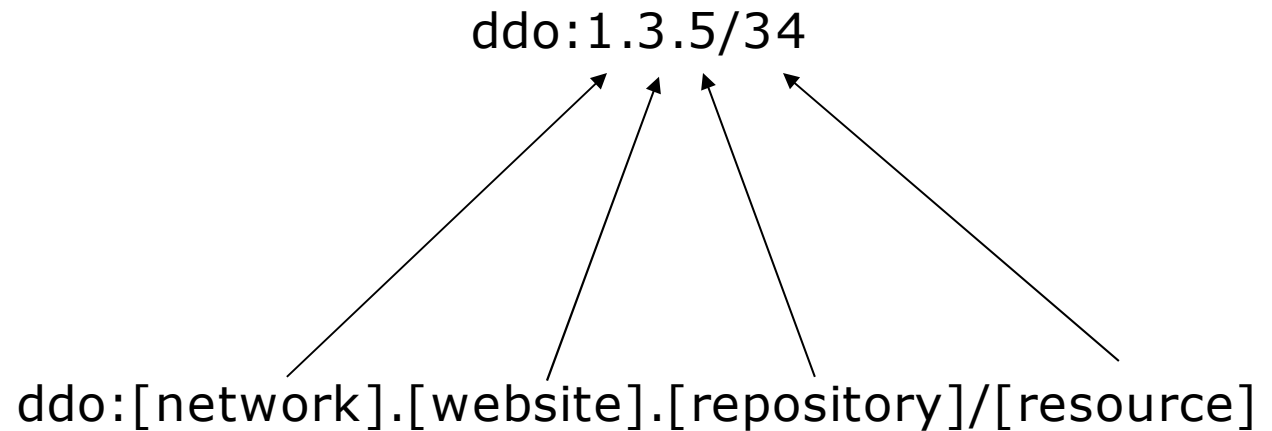


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# Distributed Digital Objects

IP-Address for digital objects

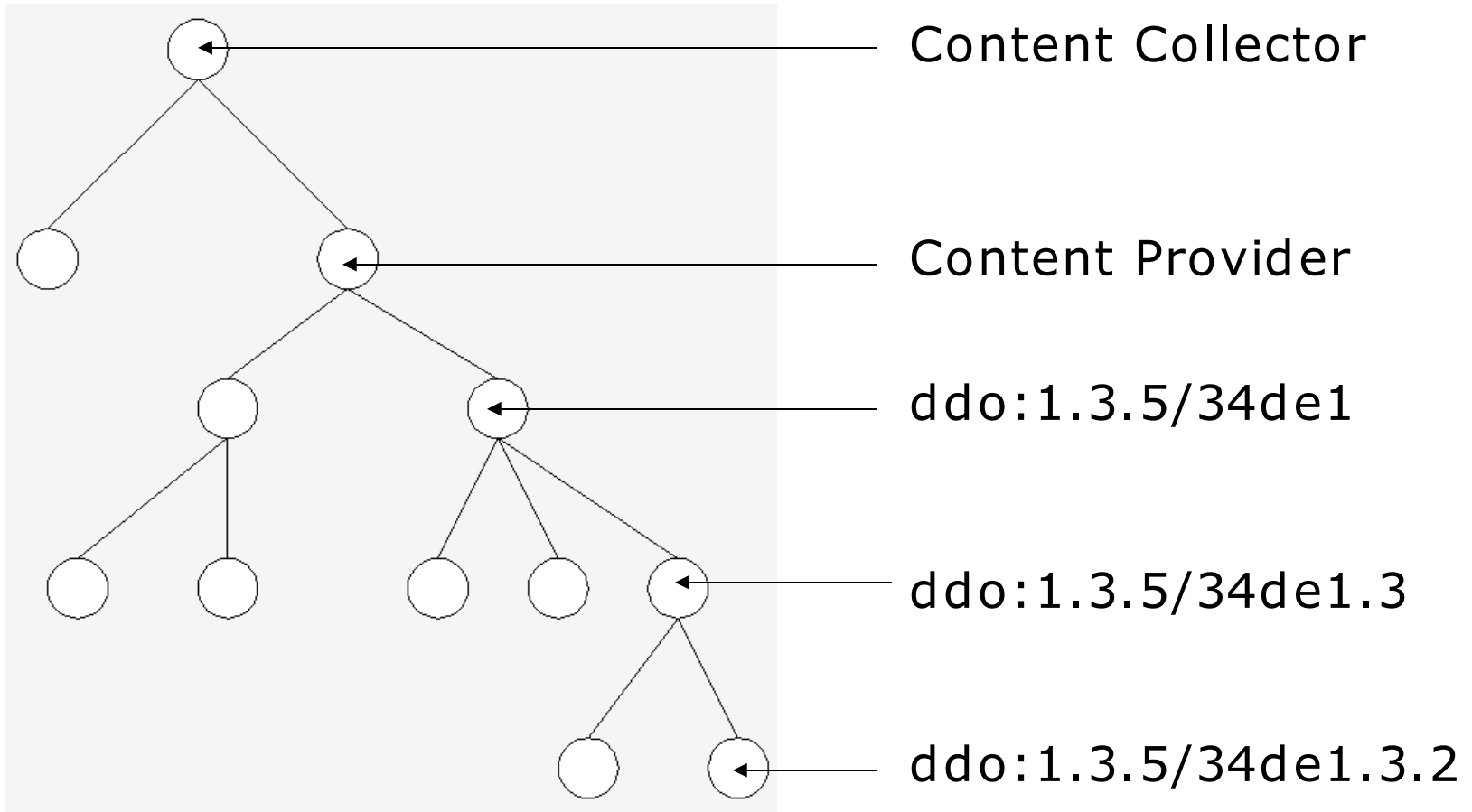
Used by repositories, harvester, resolver



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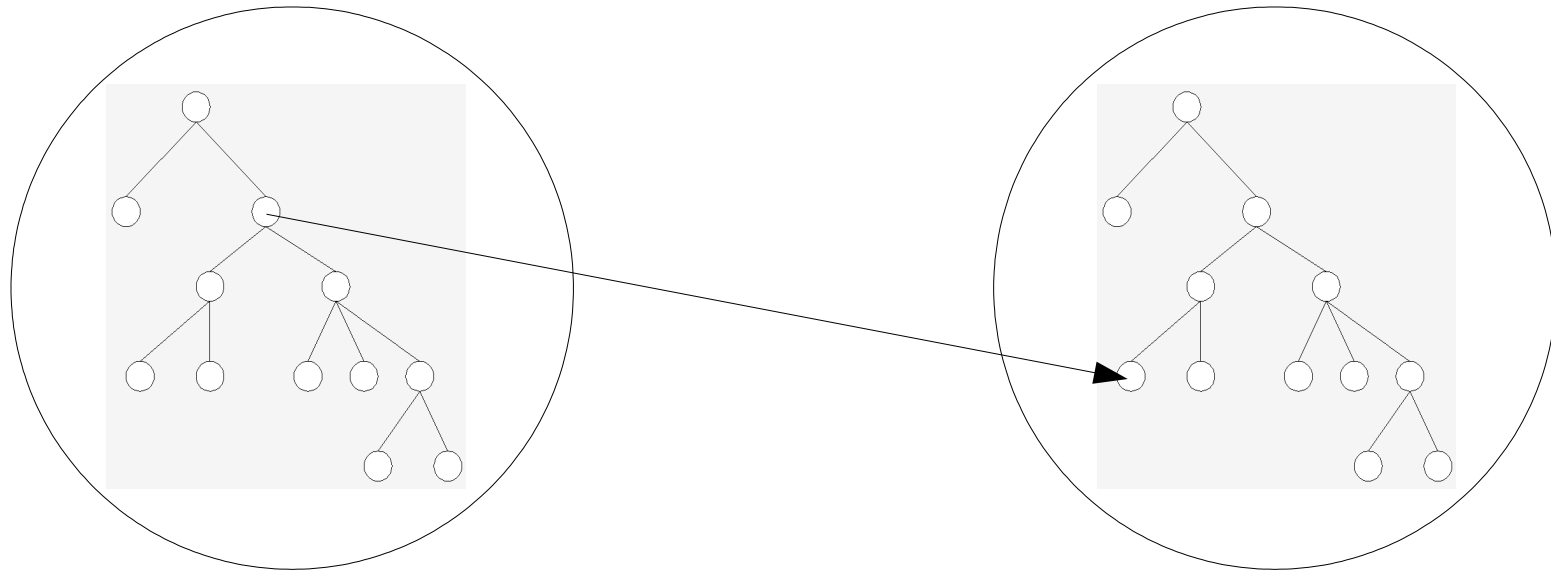


# Semi-structured, atomized content



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# Distributed Content and Metadata Annotation



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# Questions?

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ZZ/OSS Information Networking  
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oc4ware, Software 4 Open Communities  
www.oc4ware.org



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