

Deploying Open Source Solutions in an eProduction System

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The Digital Open University



The Open University learning and teaching model

- **Supported blended learning with:**
 - **Multi-media course materials**
 - **Tutor and regional support**
- **Increasing use of online learning and teaching**
 - **All courses with IT component by 2005**
 - **Generic course web site production**
 - **Courses presented totally online**
 - **Computer conferencing**

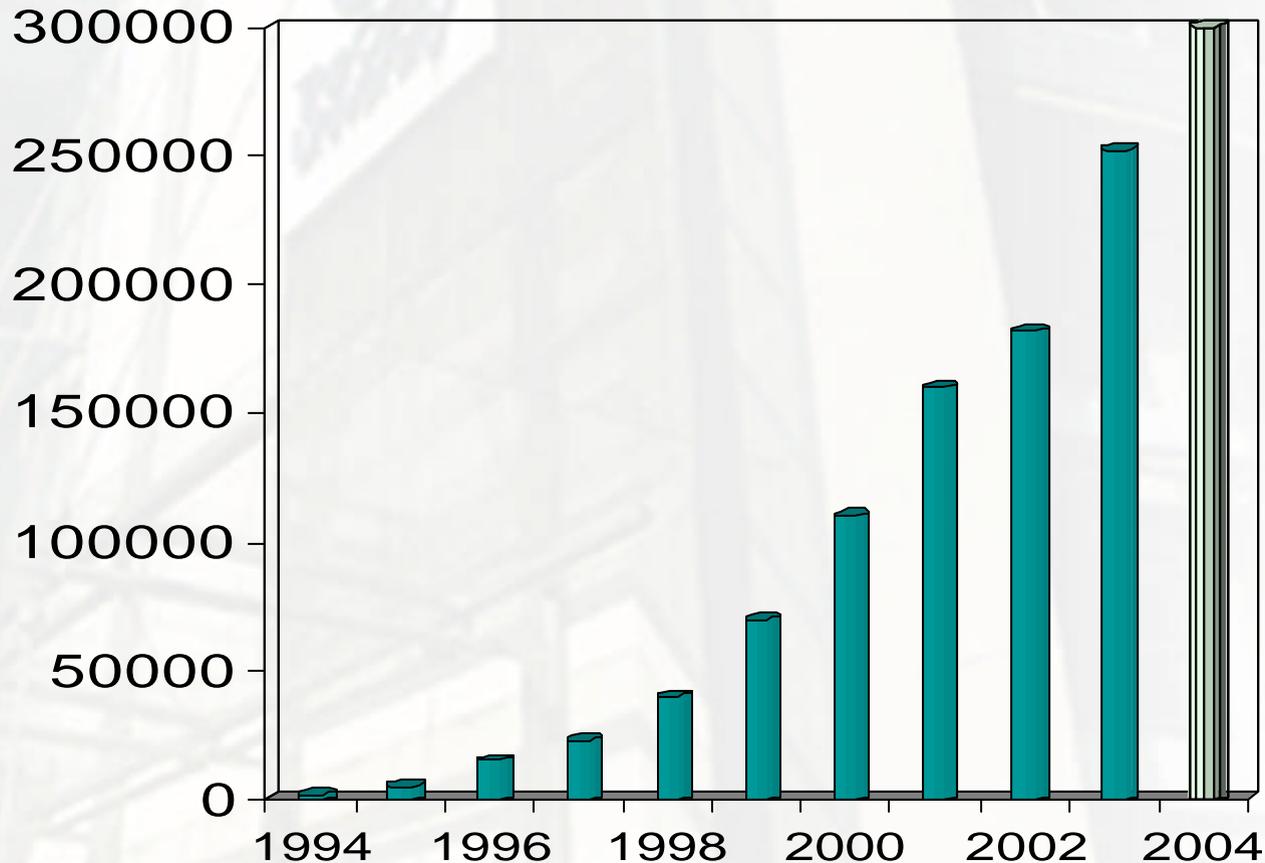
Some relevant student statistics from 2003

- **over 250,000 students**
- **over 90% have access to networked PCs**
- **178 (48%) of courses require online access**
- **200,000 (25%) of assignments submitted online**
- **30–65,000 access personal records online/week**
- **22% register online (debit/credit card only)**

Some relevant media statistics from 2003

- **over 100,000 pages published**
- **197 CD-ROM titles (509,000 discs) shipped**
- **190,000 CD Audio discs shipped**
- **45 DVD-ROM titles (20,000 discs) shipped**
- **over 450,000 hours of video shipped on VHS**

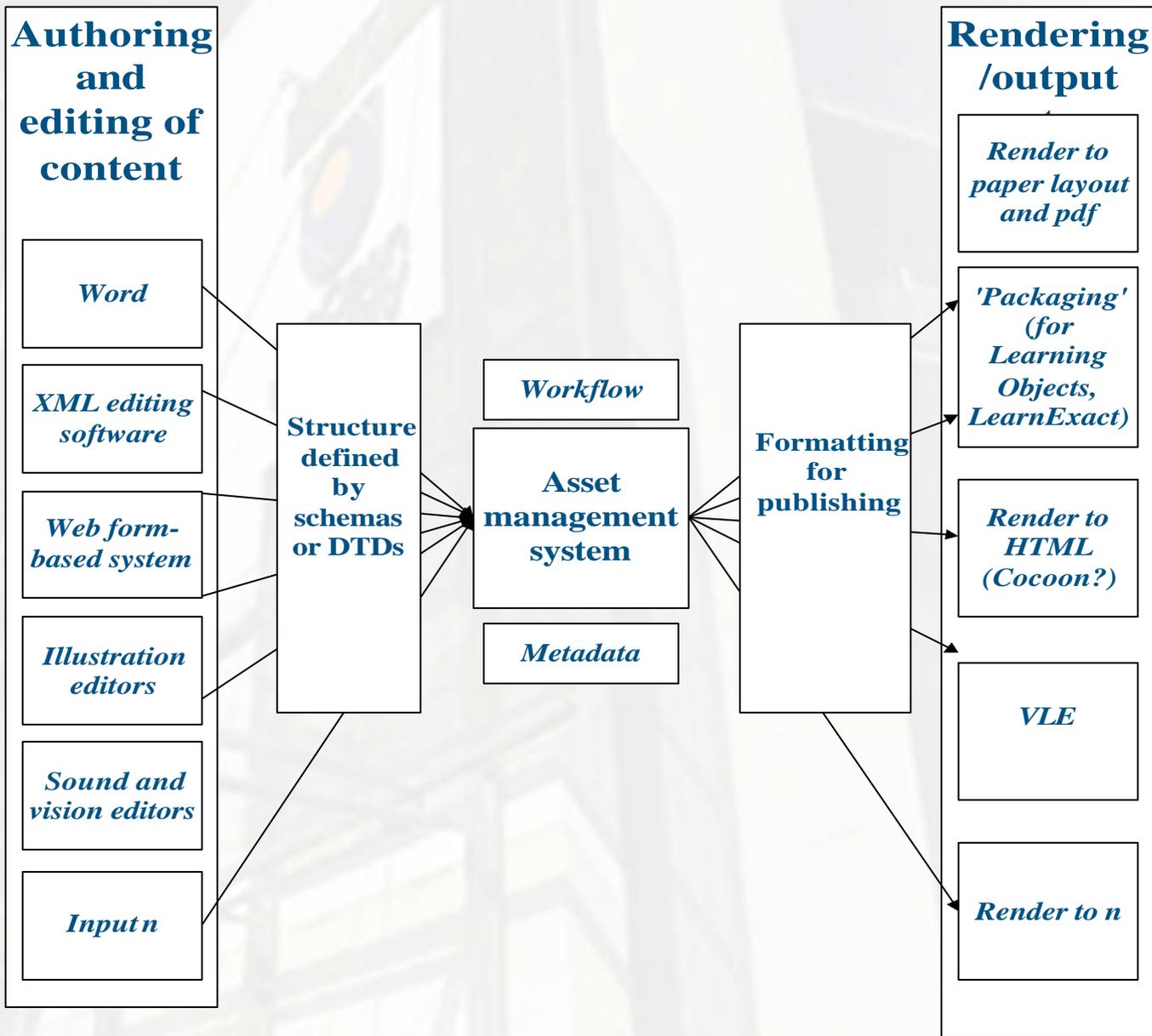
The Growth of Conferencing



eProduction

A Managed Production System

- **Structured authoring: Word 95 – Word 2003**
- **Asset management: repository and archive**
- **Output: rendering tools for all media**

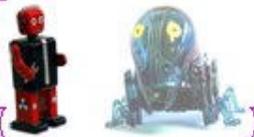


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«webpage»
 «htmltitle» Session 1.1: About the course «htmltitle»
 «heading1» 1.1 About the course «heading1»

«fullwidthimage»

«img»



«img»

»img»

»img» fullwidthimage»

«normal» Robotics and the meaning of life! What can tin-men and bug-eyed monsters tell us about the meaning of life? This course is designed to show that robotics can teach us a great deal about what it means to be human. Robots will increasingly become part of our lives. They will increasingly be found not just in factories, but also in shops and offices, in hospitals and especially in our homes. For example, here are just a few of the many kinds of robots that already exist or are being developed: »normal»

«normal» On this course we'll explain how robots work, and give you a chance to program and control real or simulated robots. But we'll go far beyond this - by examining the relationship between humans and robots and the enormous impact they are having on our lives and on society. In doing this we will often have to reflect on what it means to be a human being, interacting with other human beings. »normal»

«heading2» Aims «heading2»

Document Actions



Actions List

- Web Page Title
- Heading 1
- Heading 2
- Heading 3
- Normal Paragraph
- Editors Comment
- Bulleted List
- Numbered List
- Full Width Image
- Quote
- Wherexnext

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« webpage »
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« img » « fullwidthimage »
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Document Actions



Images List



T184 Robotics and the meaning of life

Section 1.1 About the course



Robotics and the meaning of life! What can tin-men and bug-eyed monsters tell us about the meaning of life? This course is designed to show that robotics can teach us a great deal about what it means to be human. Robots will increasingly become part of our lives. They will increasingly be found not just in factories, but also in shops and offices, in hospitals and especially in our homes. For example, here are just a few of the many kinds of robots that already exist or are being developed:

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Aims

The aims of T184 are:

- **to enable you to understand robots:** learning about the various technologies involved in robotics and how to program or train robots;
- **to enable you to understand how robots are affecting our lives:** how robots will help us and our families at home, their role in health and social care, and their contribution to industry, transportation, science and philosophy;

T184 Robotics and the meaning of life:

a practical guide to things that think

[Home](#)[Index](#)[Calendar](#)[Assessment](#)[Conferencing](#)[Resources](#)[Glossary](#)

1.1 About the course



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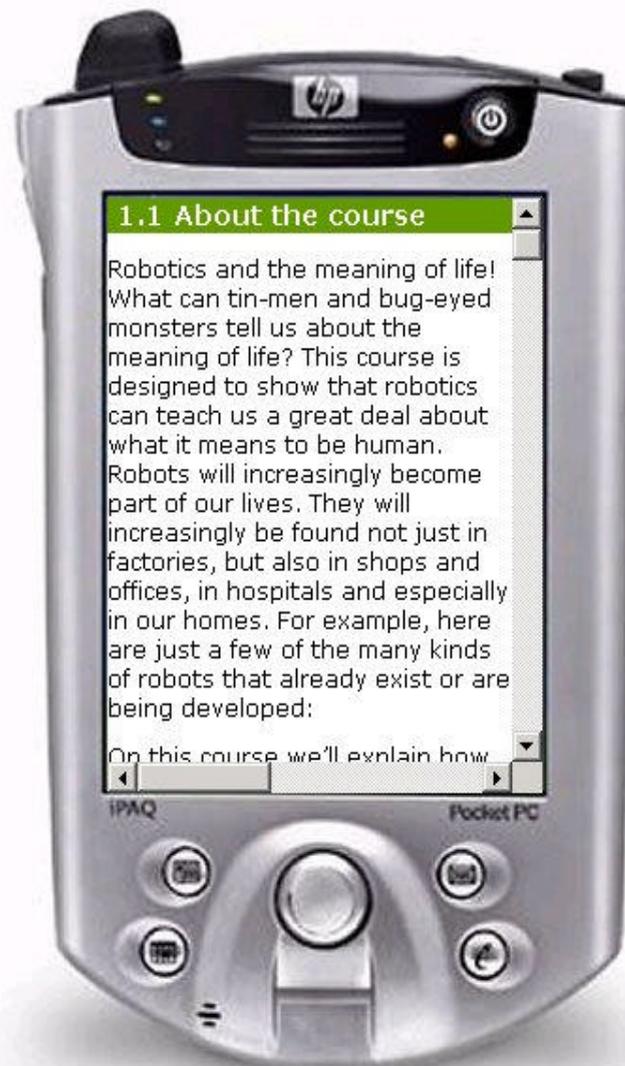
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ab Preview

IA Preview

nt Preview

Close



Designing the system

- **Enterprise architecture approach**
- **Components ideally interoperable**
- **Chose best components for specific tasks**
- **Ensure components are standards compliant**

Open Source vs Closed Source

- **Can you trust closed source solutions?**
- **Open source solutions are transparent**
- **Look for an established community of practice**

Case Study 1



Accreditation
 towards
 professional
 qualifications



Find out how to join Teach and Learn.net

Want to see courses?

Primary sample course unit

Secondary sample course unit

The sample courses require [Flash 6](#)

What is Teach and Learn.net?

An effective framework for planning, running and supporting continuing Professional Development programmes for schools.

Who is Teach and Learn.net for?

Find out more about your area of responsibility.

- ▶ I'm a Teacher.
- ▶ I'm a Head Teacher or Curriculum Leader.
- ▶ I'm a School Governor.
- ▶ I'm a Teaching Assistant.

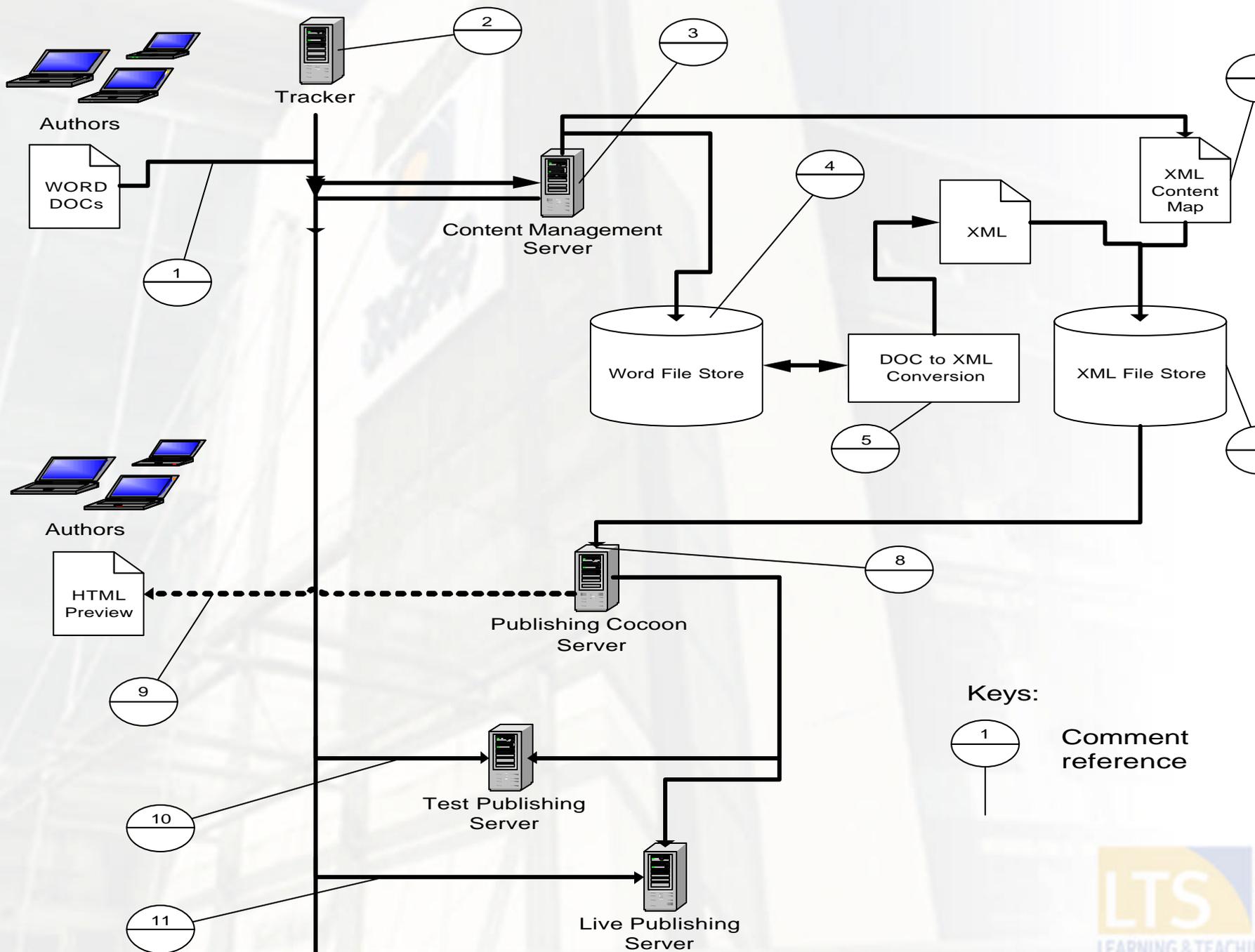
▶ [The Advisory Panel](#)

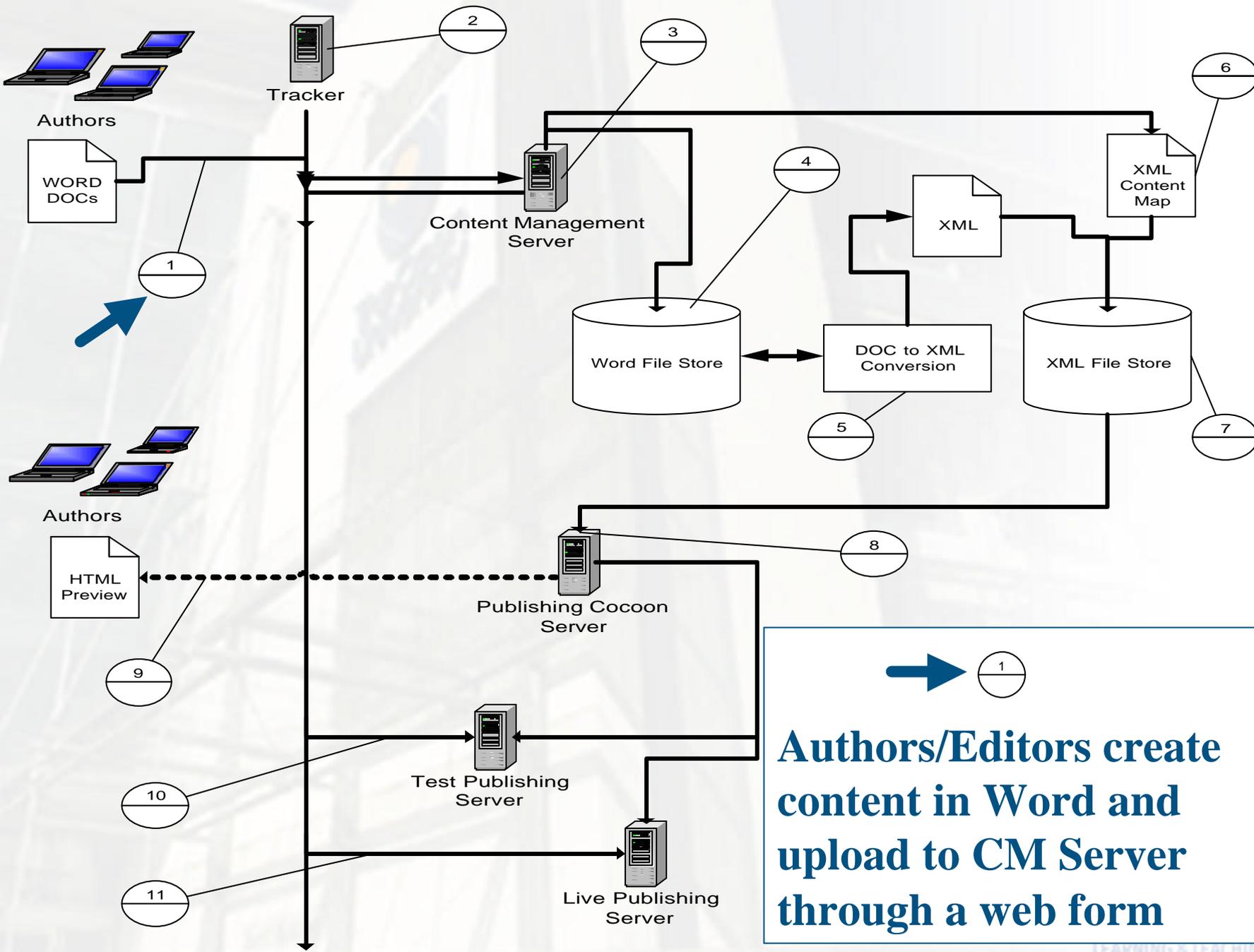
▶ [Accreditation](#)



A message from Tim Brighouse

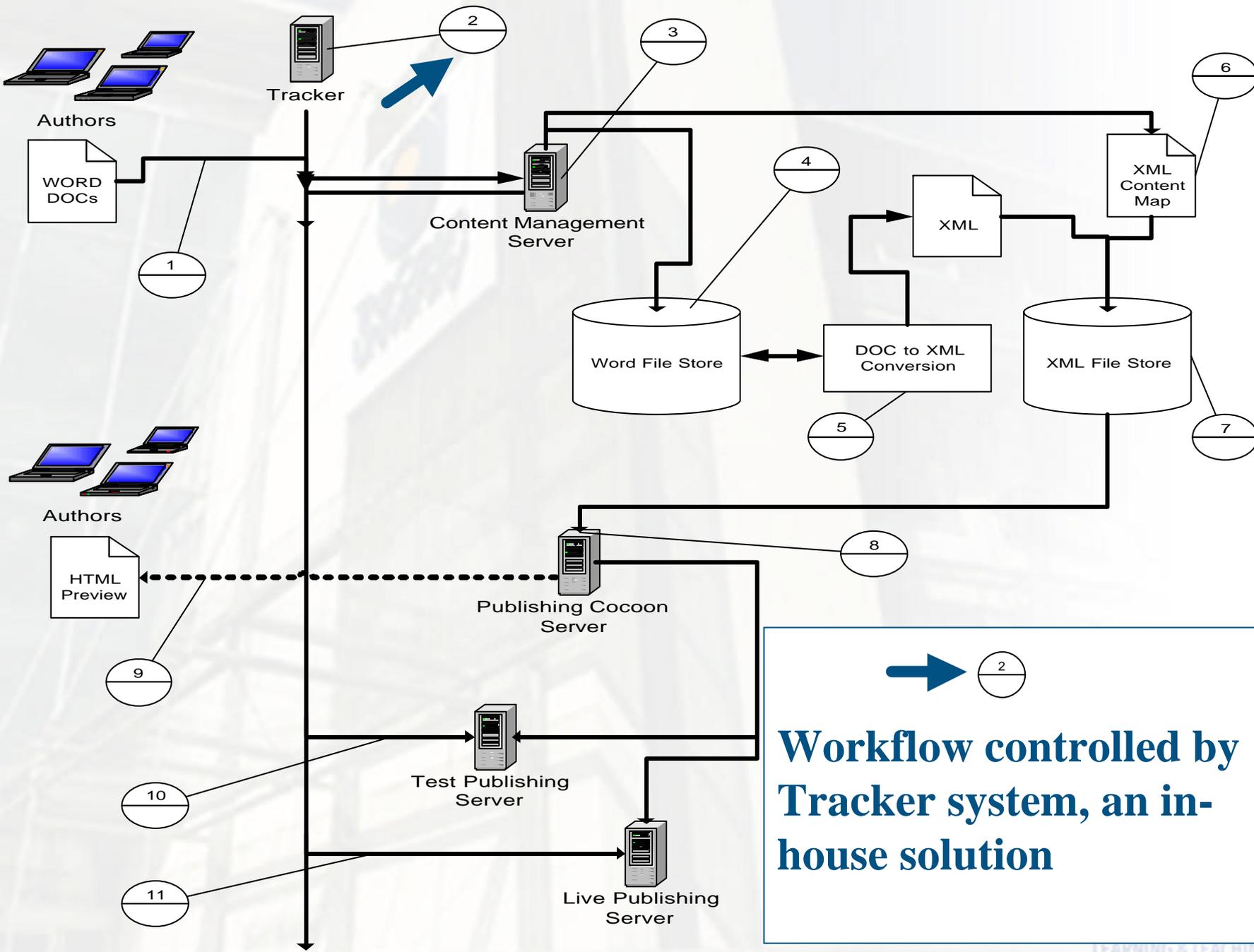
"As Chair of the Advisory Panel, I'm pleased to welcome you to Teach and Learn.net, a new service from BBC Worldwide and the Open University. You'll find extensive courses and resources on the site that cover the full range of professional development issues, brought to life using high quality multimedia for all curriculum areas."





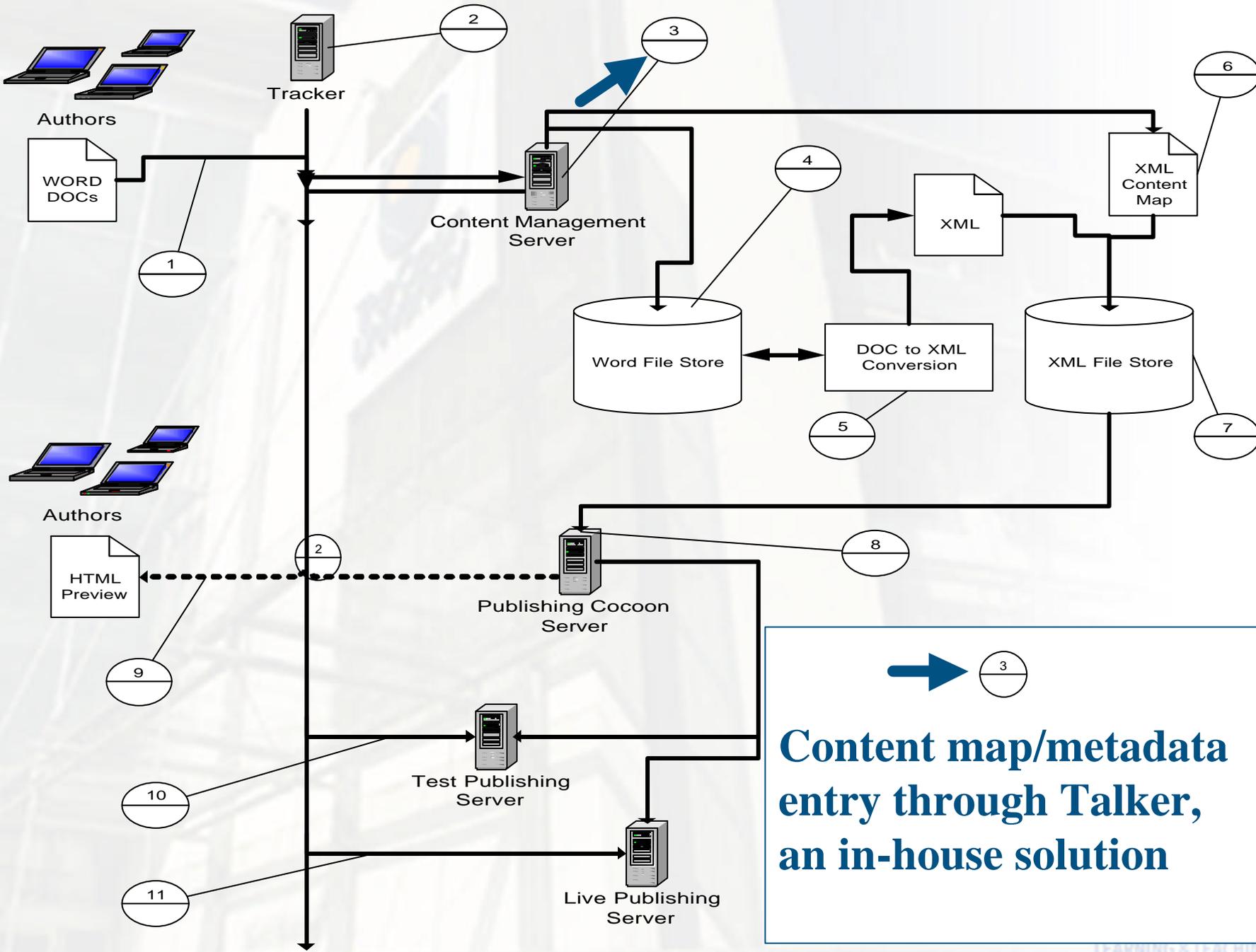



Authors/Editors create content in Word and upload to CM Server through a web form



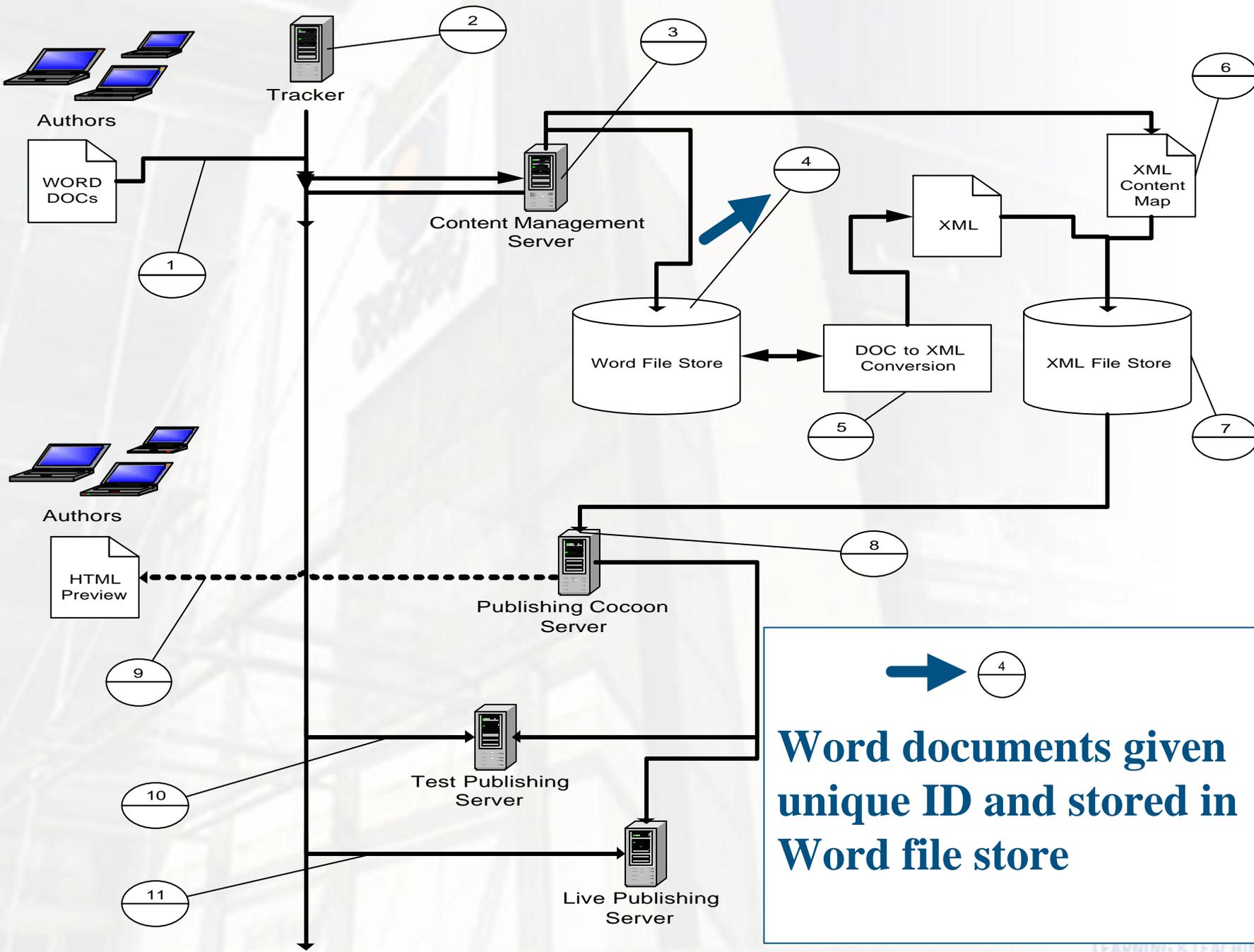
➔ 2

Workflow controlled by Tracker system, an in-house solution



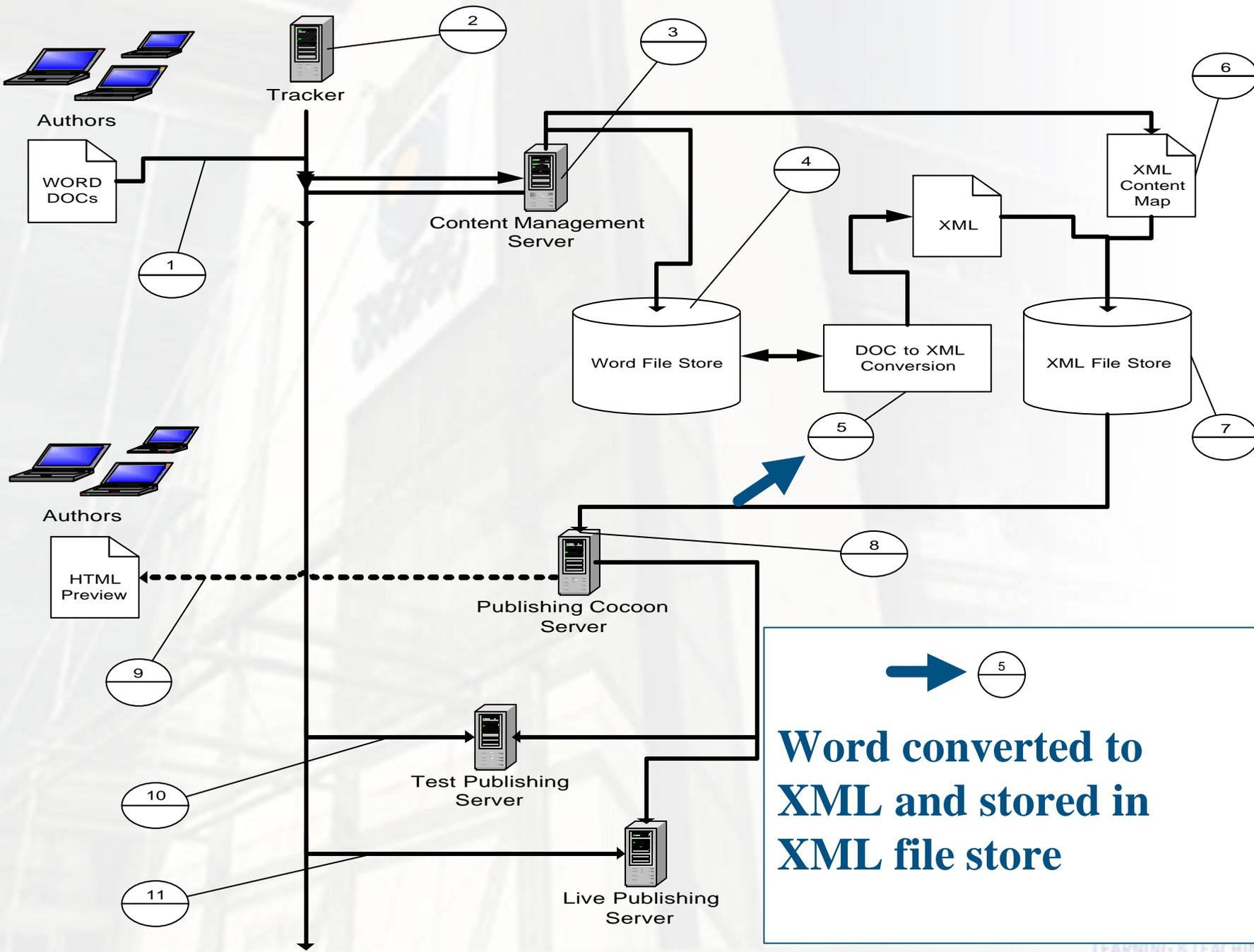



Content map/metadata entry through Talker, an in-house solution

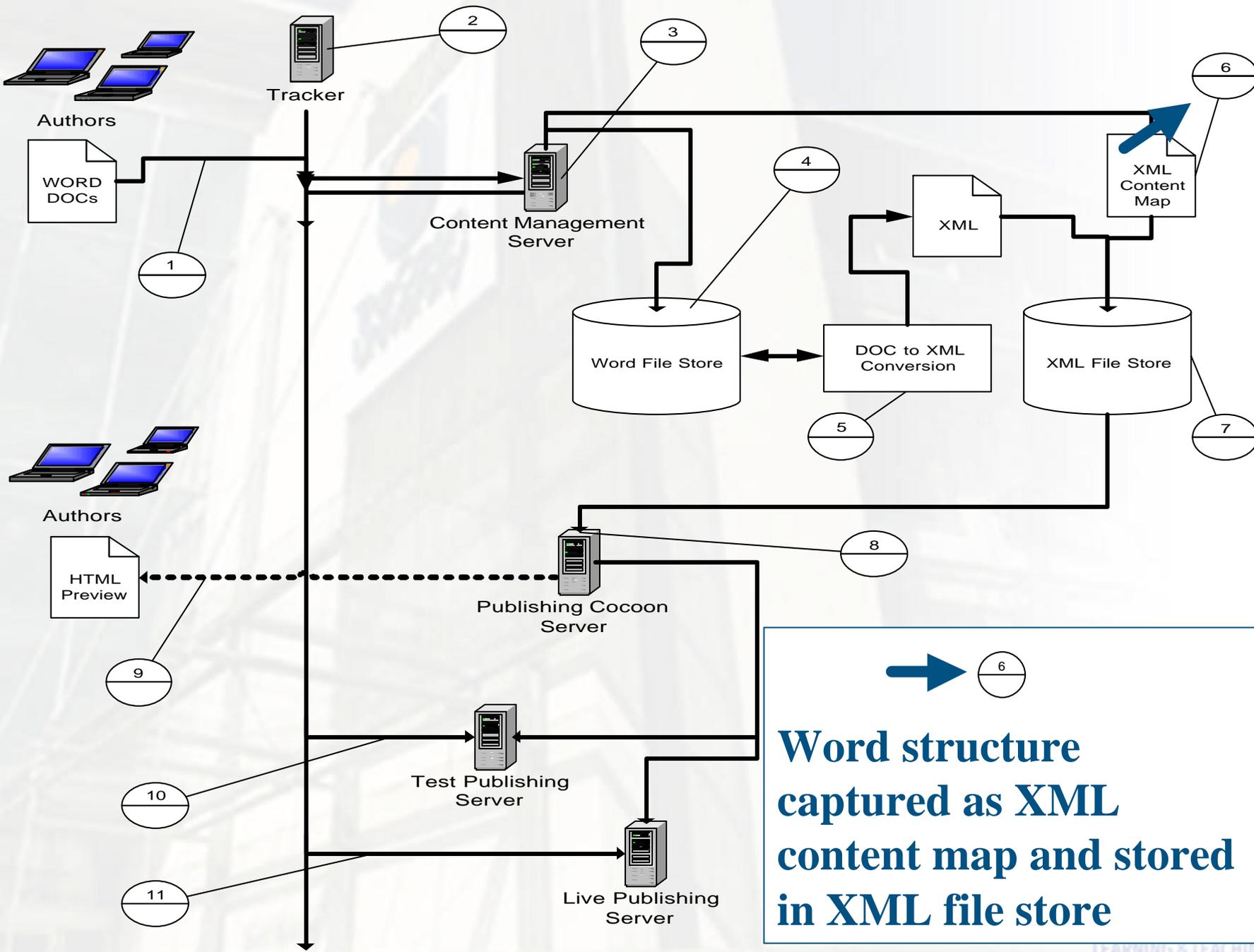


➔ 4

Word documents given unique ID and stored in Word file store

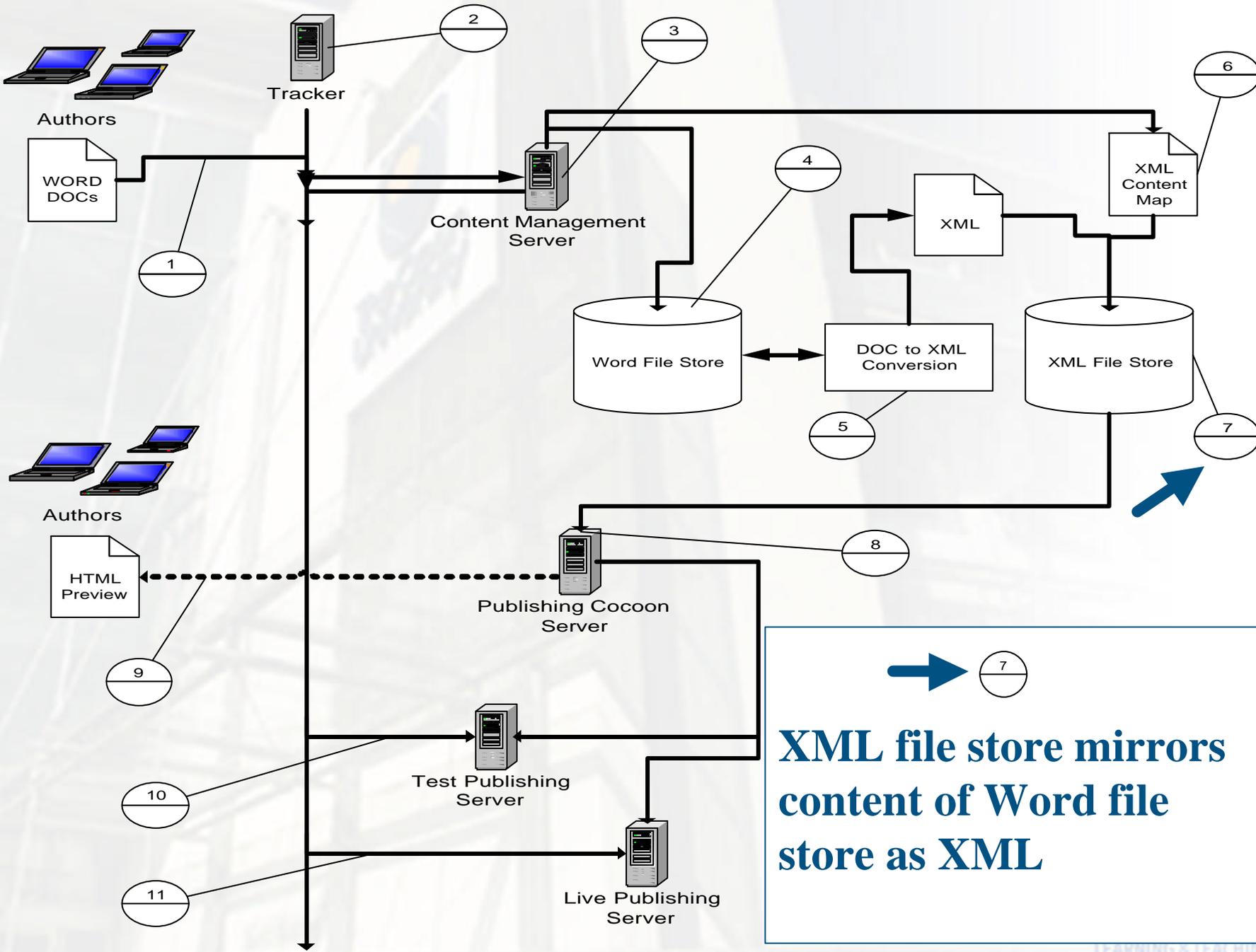


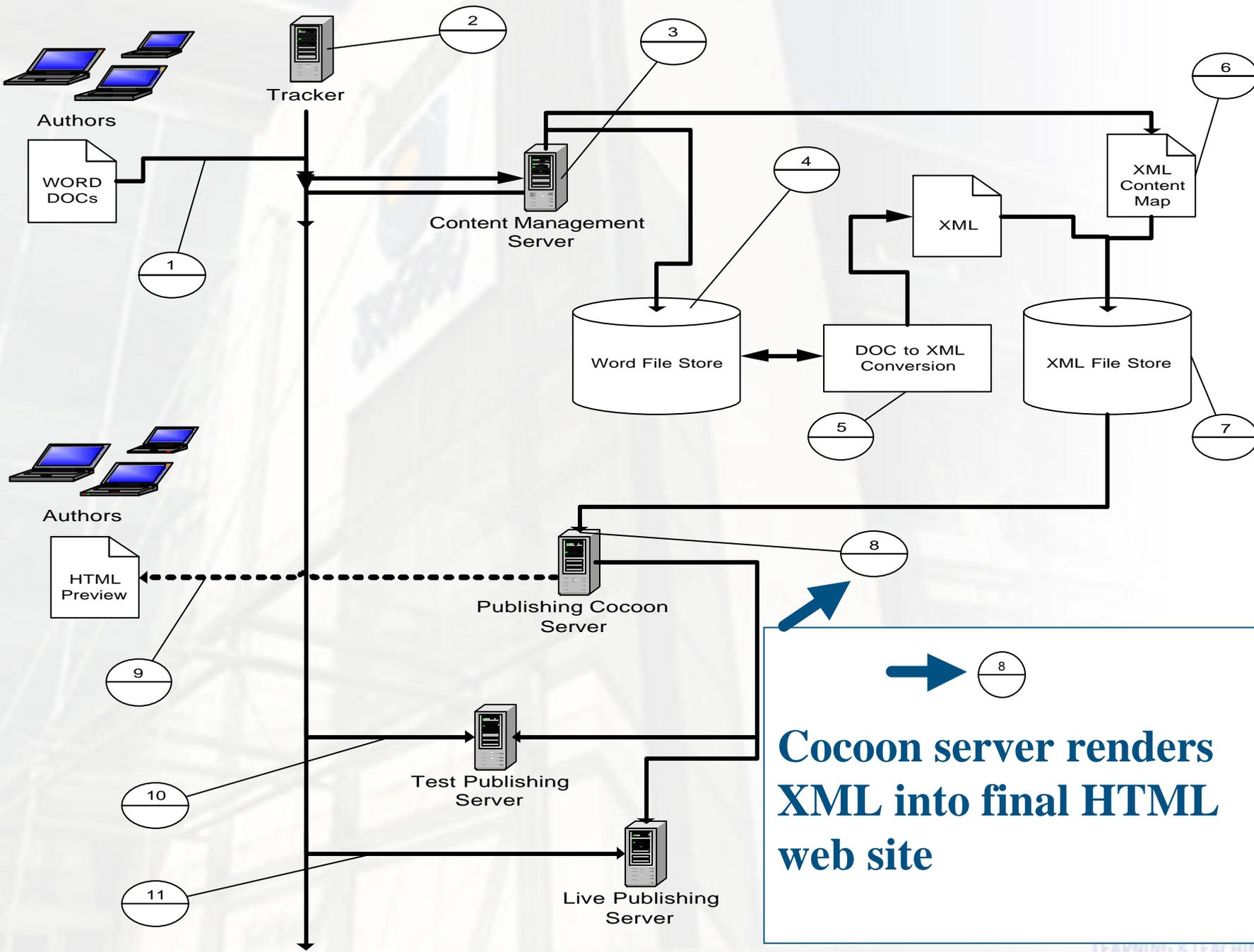
Word converted to XML and stored in XML file store

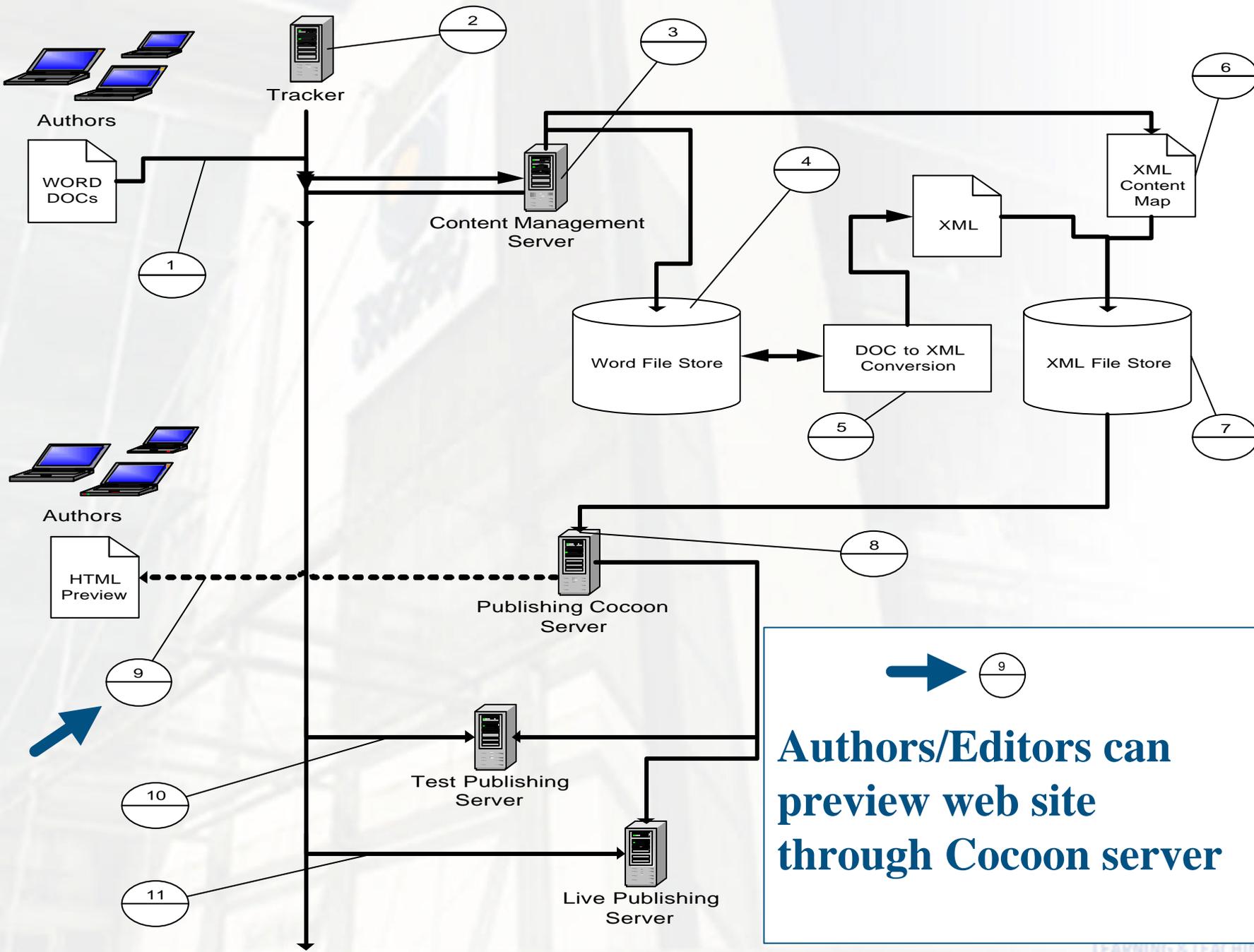


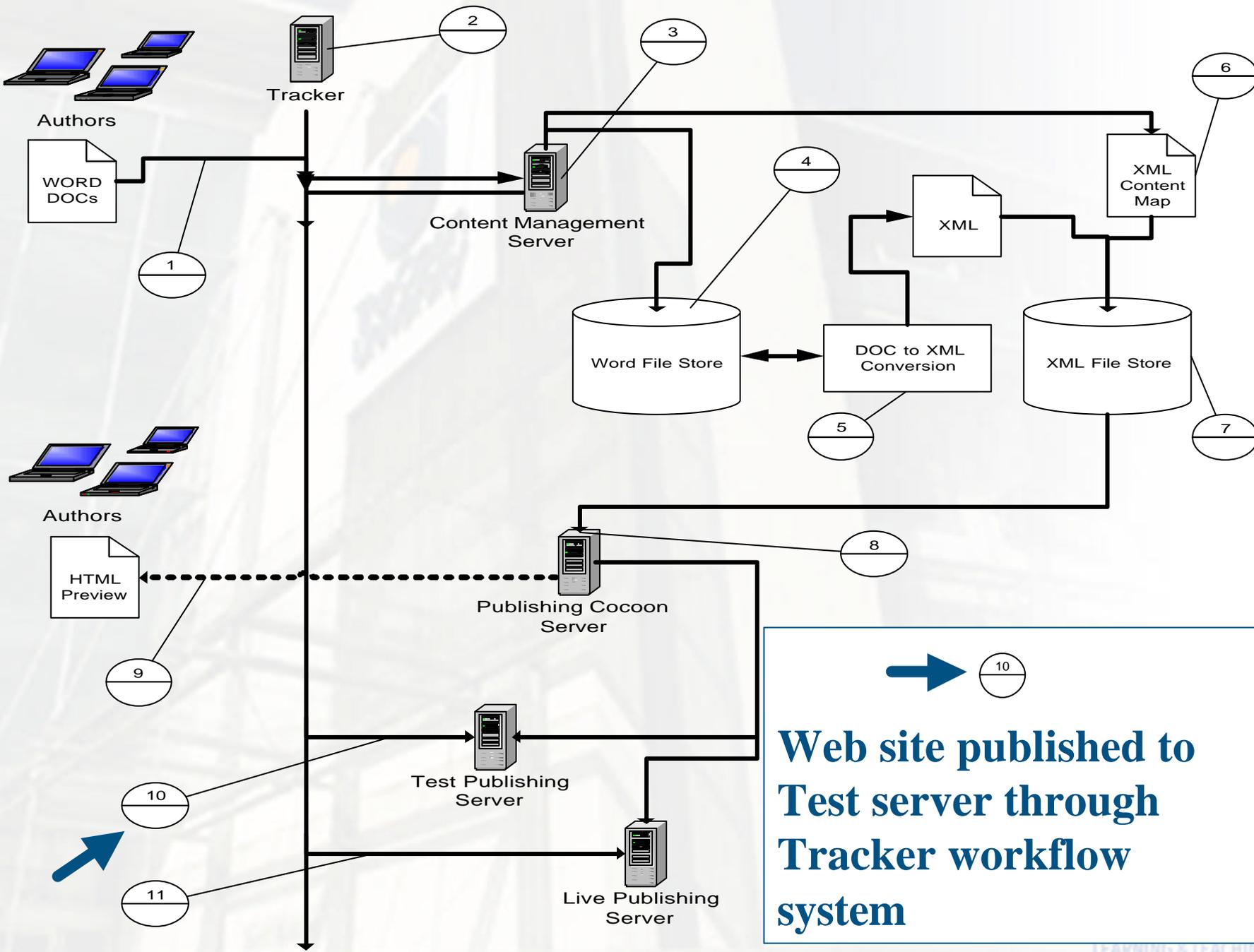



Word structure captured as XML content map and stored in XML file store



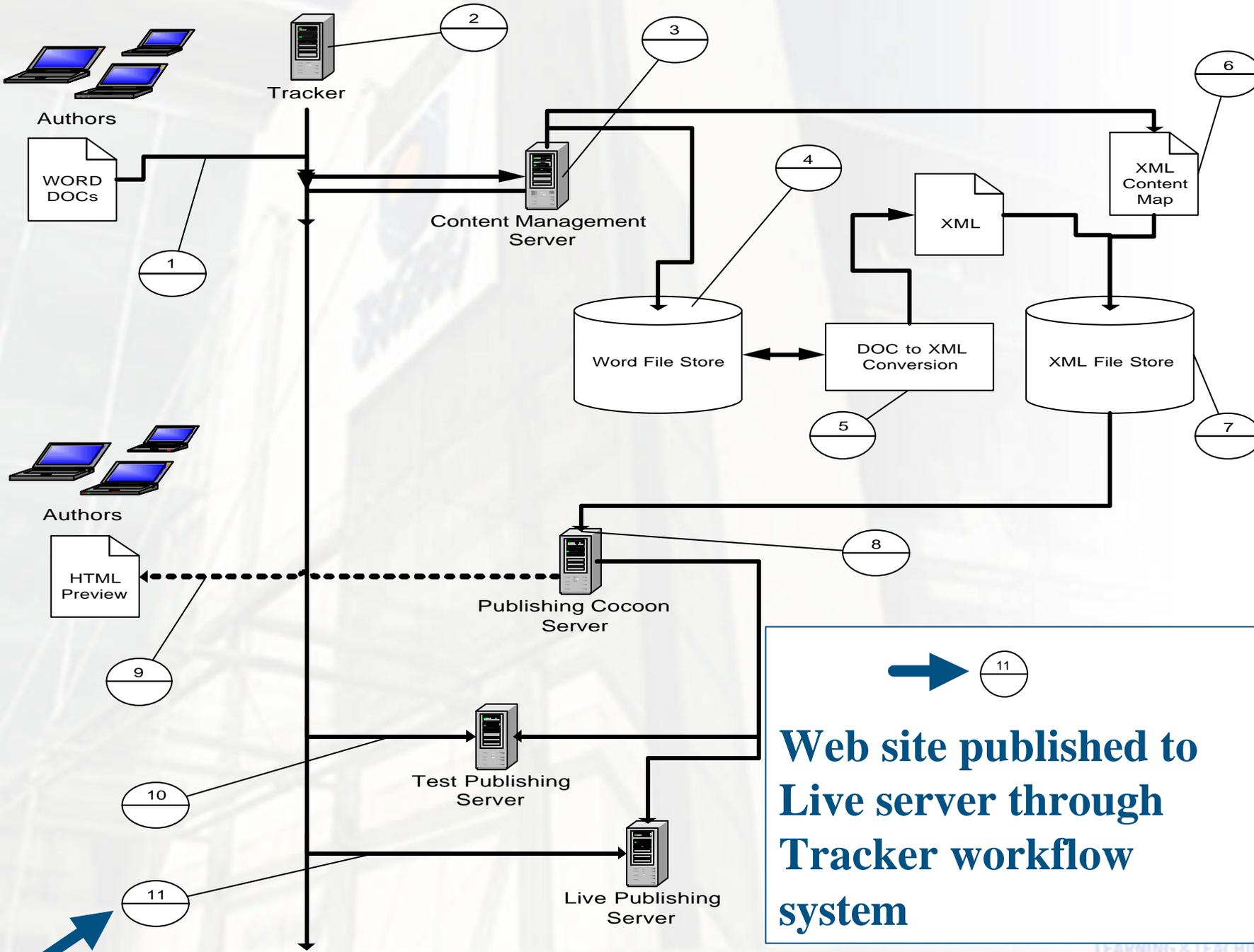






➔ 10

Web site published to Test server through Tracker workflow system



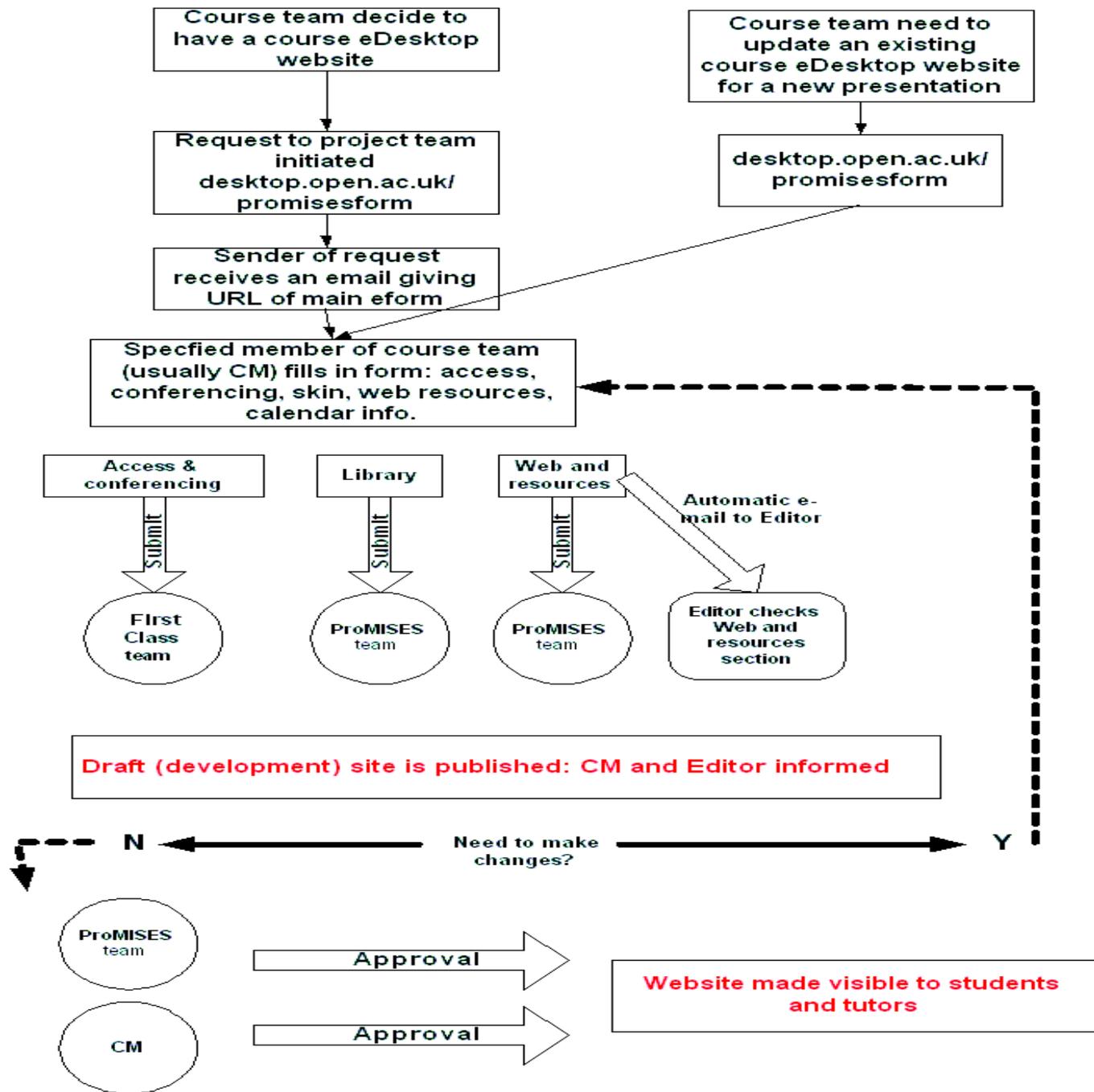



**Web site published to
 Live server through
 Tracker workflow
 system**

Case Study 2

The eDesktop

- **Generic approach to providing course web sites**
- **eForm completed by academics**
- **Automated web site creation**
- **Flexible presentation style**
- **Over 200 courses adopting this approach**



211 Philosophy and the Human Situation

The function of these pages is to enhance your experience while studying Philosophy and the Human Situation. There are four parts to our site, each of which offers a particular range of facilities to enliven your studies.

Latest Course News

[24/01/03 : Study community](#)



Study community

'Study community' links you to a computer conferencing area. This is where you can communicate with other students, and share ideas and news using FirstClass.



Course resources

'Course resources' is an area where you can find links to materials and online resources relevant to your course. The materials you'll find in this area have been carefully selected.



Managing your studies

'Managing your studies' is an online version of the study calendar to help organize your studies and keep abreast of course changes and updates.



Student home

This link takes you to your personal record and menu and to some useful OU administrative and IT sites. 'Student home' will open in a new browser window.



B822 CREATIVITY, INNOVATION AND CHANGE



Welcome to the B822 homepage

This site gives easy access to the four major sections shown below. Visit them regularly to ensure that you receive any important information promptly.



Study community

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202 Understanding Business Functions



Welcome to the B202 homepage

The purpose of this website is to provide a truly multi-media learning experience while studying Understanding Business Functions. There are four parts to our website, each of which offers a particular range of facilities as follows:

Latest Course News

[28/01/03 : Fwd: Next Mailing of B202 Course Material](#)

[20/01/03 : Re\(5\): DD100](#)

[15/01/03 : Re\(2\): DD100](#)

[See archived messages...](#)



Study community

'Study community' links you to a computer conferencing area. This is where you can communicate with other B202 students, and share ideas and news using FirstClass.



Guide to your eDesktop



Course resources

'Course resources' is an area where you can find links to materials and online resources relevant to your course. These include resources associated with your TMAs such as journal articles and case studies to download and links to a list of non OU websites



Managing your studies

'Managing your studies' is an online version of the B202 study calendar to help organize your studies and keep abreast of course changes and updates.



Student home

This link takes you to your personal record and menu and to some useful OU administrative and IT sites. 'Student home' will open in a new browser window.



TU870 Homepage

Welcome to the TU870 Homepage

From this site you can access the essential course materials to start studying. You do not need to look at everything at once, but start with Managing your studies.



STUDY COMMUNITY

'Study community' links you to a computer conferencing area. This is where you can communicate with other TU870, UJZ870 and TUX870 students, share ideas and news, as well as participate in some online activities.

[GO >>](#)



COURSE RESOURCES

'Course resources' links to an area where you can find copies of most of your course materials and some additional online course related materials. These may include: links to a list of non-OU websites, course newsletters and the ROUTES library service.

[GO >>](#)



MANAGING YOUR STUDIES

'Managing your studies' is an area where you can use the online study calendar to help organise your studies and keep abreast of course changes and updates.

[GO >>](#)



STUDENT HOME

This links you to your personal record and menu and to some useful OU administrative and IT sites.

[GO >>](#)

L314 Home page

Welcome to the L314 Home page

Os damos la bienvenida al sitio web del curso L314 A buen puerto. Desde aquí se puede enlazar con las cuatro secciones principales de este sitio.

Novedades

[21/06/02 : Noticias 5](#)

[21/06/02 : 19/06/02: Tareas del mes 5](#)

[28/05/02 : Noticias 4](#)

[See archived messages...](#)



Study Community

Este apartado es el del foro. Allí podrás ponerte en contacto con otros estudiantes de L314, con los que podrás compartir ideas y opiniones; también podrás participar en las tareas que te proponemos cada mes.



Course Resources

En este apartado encontrarás recursos en línea que complementan los materiales del curso. Se incluyen enlaces con sitios web seleccionados por el equipo académico, y una revista en la que publicamos artículos escritos



Managing your Studies

En este apartado encontrarás el calendario del curso.



Student Home

A través de este apartado enlazarás con tu expediente académico y con sitios administrativos y técnicos de la Open University.



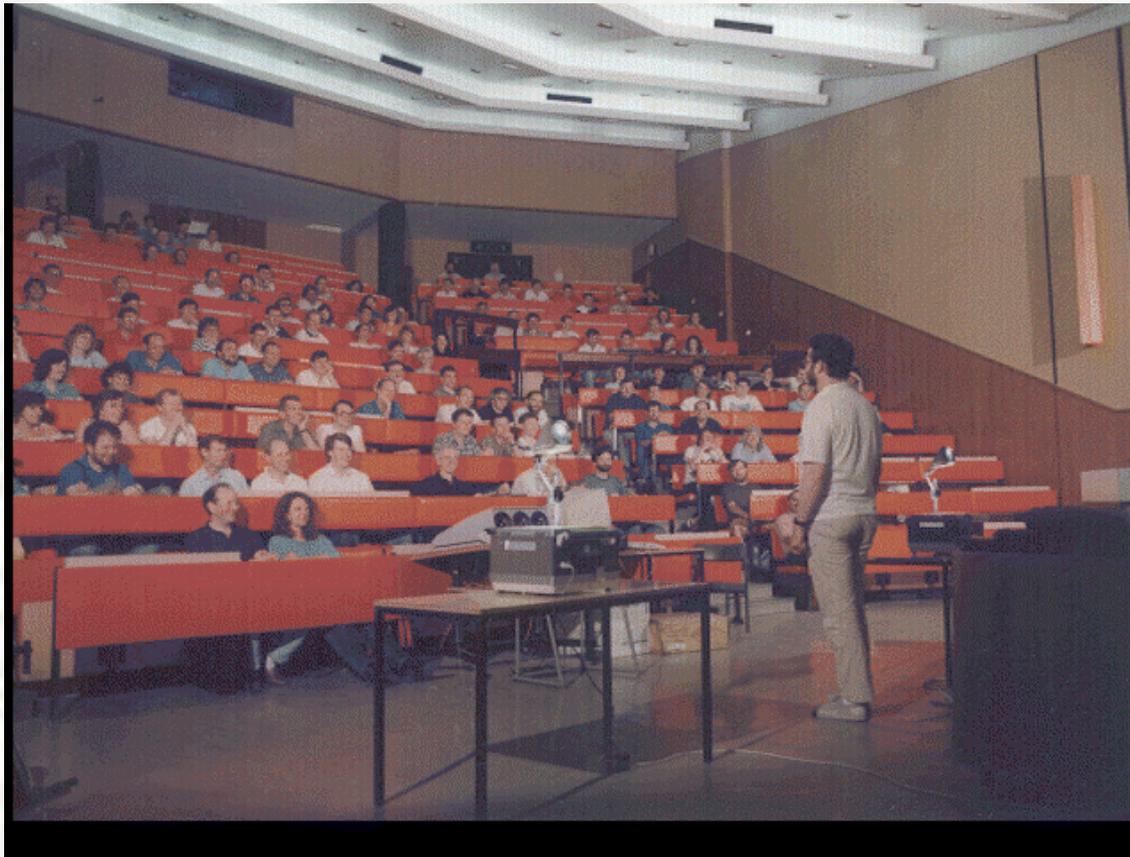
The Challenges Ahead



The Sonic the Hedgehog generation has arrived in higher education!



Higher education is now in the hands of the Space Invaders generation!



Broadband? Not where I live!

