



## **Deliverable 7.1**

### **Internet based web server**

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**Abstract:** In Task 7.1 the basic for the work in task 7.2 were created. A differentiation between the results of task 7.1 and beginning of the work in task 7.2 is not possible. The web server and the document management server needs the same software base and have to be implemented at the same time. An installation of the web server without the installation of the document server is not reasonable.



## **Executive summary**

This report describes the work carried out under DESIRE Work Package 7 Task 7.1 on “Internet based web server”.

The project management system of the DESIRE project is the basis for the publication and the exchange of the information and the results in the project.

The project management system and the homepage of the project are implemented with the support of the Oracle Application Server 10g and the Oracle Database 10g.

The installation and the stable operation of the Oracle Application Server 10g and the Oracle Database 10g are essential for the implementation and development of the internet based document server and the email administration utility in Task 7.2.

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## **1. Introduction**

In Task 7.1 the elementary foundations for the implementation and development of the project and document management system were laid.

The basic requirements can be divided into 4 sections

- Examination, selection and acquisition of the hardware.
- Installation of the operating systems and the software packages.
- Formulation and examination of the contents and functions of the homepage and the management system.
- Design of the emblem, the layout of the web pages and the document front page.

If necessary the contents and functions of the homepage and the management system as well as the layouts will be adapted to the demands of the users during the term of the project.

## **2. Examination, selection and acquisition of the hardware**

For the first version of the project management system the following hardware were selected and acquired.

### **Database server**

Intel Pentium 4 CPU 3.00 GHz  
2 GB RAM  
80 GB Harddisk

### **Web server**

Intel Pentium 4 CPU 3.00 GHz  
2 GB RAM  
80 GB Harddisk

During the term of the project the hardware will be adapted to the requirements of the running system.

### **3. Installation of the operating systems and the software packages**

The following operating system and software packages were installed.

#### **Database server**

*Operating System*

Red Hat Enterprise Linux ES Release 3

*Database*

Oracle Database 10 Enterprise Edition Release 10.1.0.3.0

#### **Web server**

*Operating System*

Red Hat Enterprise Linux ES Release 3

*Application Server/Web server*

Oracle Application Server 10g

Installationsart : J2EE and Web Cache Services

Komponenten : Oracle HTTP-Server, OracleAS 10g Containers for J2EE, Oracle 10g Web Cache

Oracle Content Management SDK 10g (9.0.4.2)

### **4. Formulation and examination of the contents and functions**

According to the results of the kick off meeting and the proposals and the experiences with comparable project management systems in ISET the following contents and functions were defined

The Homepage will get the following sections.

- Home
- About DESIRE
- Partners
- Links
- News
- Calendar
- Documents
- Online data
- Misc (not public)
- Glossary (not public)
- Contact
- Imprint
- Addresses (not public)
- Registration
- Help (not public)
- Search.

The following user groups were disposed

- Public
- Project leaders
- Workpackage leaders
- Workpackage members.

The documents, appointments, news etc. will get the following access levels

- Public
- Project DESIRE.

For the email archive the following email groups will be installed

info@ desire.org  
organisation@ desire.org  
management@ desire.org  
webmaster@ desire.org  
wp0@ desire.org  
wp1 @ desire.org  
wp2@ desire.org  
wp3@ desire.org  
wp4@ desire.org  
wp5@ desire.org  
wp6@ desire.org  
wp7@ desire.org  
wp8@ desire.org

According to the documents:

The documents will get the document types

- deliverables
- internal deliverables
- meeting reports
- memorandums
- products for the public
- progress reports
- publications
- technical reports.

The document names will be created with

- the current date
- an ascending number
- a character string created by the user
- the postfix

{yymmdd}\_{000}\_{20characters}.{postfix }

Some documents have to be approved:

- documents with the access level 'public'
- documents for the progress of work on the project, like deliverables, progress reports etc.

The documents with the access level 'public' can be approved by

- the project leaders
- the workpackage leaders.

Documents for the progress of work in the project had to be approved by responsible workpackage leader

The documents will get the following status

- S4: work in progress
- S3: draft for comments
- S2: pending for approval
- S1: approved

## 5. Design of the emblem and layout

For the documents, the homepage etc. the following logo were designed.



Figure 1: Logo of the DESIRE Project

For the implementation of the pages of the homepage and the project management system the following layout were designed.

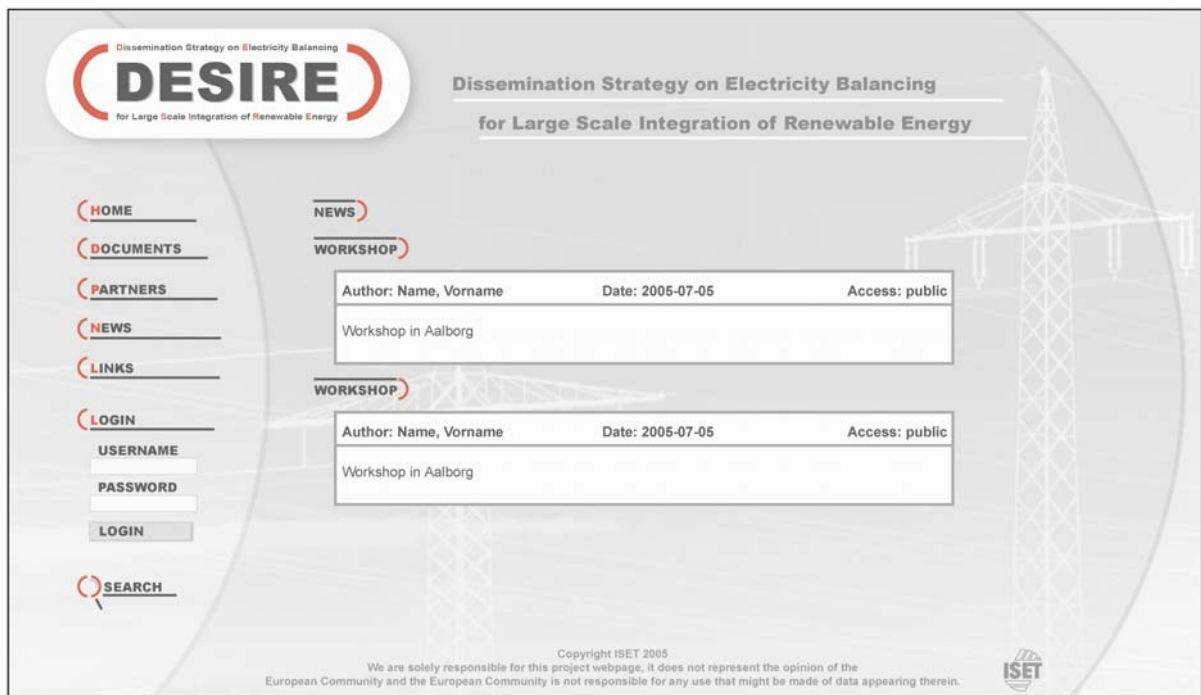


Figure 2: Layout of the web pages