Course guides
230326 - ISSNCC - Implementation of a Small Social Network in the Cloud

Unit in charge: Barcelona School of Telecommunications Engineering
Teaching unit: 739 - TSC - Department of Signal Theory and Communications.
Degree: BACHELOR'S DEGREE IN TELECOMMUNICATIONS SCIENCE AND TECHNOLOGY (Syllabus 2010). (Optional subject).
BACHELOR'S DEGREE IN AUDIOVISUAL SYSTEMS ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN ELECTRONIC SYSTEMS ENGINEERING (Syllabus 2009). (Optional subject).
BACHELOR'S DEGREE IN TELECOMMUNICATIONS SYSTEMS ENGINEERING (Syllabus 2010). (Optional subject).
BACHELOR'S DEGREE IN TELECOMMUNICATIONS TECHNOLOGIES AND SERVICES ENGINEERING (Syllabus 2015). (Optional subject).
BACHELOR'S DEGREE IN NETWORK ENGINEERING (Syllabus 2010). (Optional subject).

Academic year: 2019 ECTS Credits: 2.0 Languages: English

LECTURER
Coordinating lecturer: Monte Moreno, Enrique
Others: Monte Moreno, Enrique

PRIOR SKILLS
Have done the 2b

REQUIREMENTS
Some knowledge of Linux

TEACHING METHODOLOGY
On hands approach with a computer. Theory during the laboratory sessions.

LEARNING OBJECTIVES OF THE SUBJECT
Being able to implement a social network in an environment of cloud computing.
Understanding the Amazon Web Services architecture and the systems of storage.
Be able to program a small website interface, and manage a database.

STUDY LOAD

<table>
<thead>
<tr>
<th>Type</th>
<th>Hours</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Hours small group</td>
<td>20,0</td>
<td>40.00</td>
</tr>
<tr>
<td>Self study</td>
<td>30,0</td>
<td>60.00</td>
</tr>
</tbody>
</table>

Total learning time: 50 h
CONTENTS

Implementation of a small social network in the cloud.

Description:
This seminar will implement a small social network servers Amazon Web Services (AWS). servers on the network will be used to create web pages and manage databases on the social network. In addition the information structure of the social network will be adapted to the structure of AWS.

Specific objectives:
Understand how systems hosted in the cloud work, how to manage a small database, the web interface implementation and administration of a Unix system.

Related activities:
Practical activities with a computer. Groups of two students.

Full-or-part-time: 20 h
Theory classes: 20h

GRADING SYSTEM

Performance of the implemented network, 100% of the marks

EXAMINATION RULES.

Network implementation

RESOURCES

Other resources:
Lab with computers with internet connexion