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: 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>
</tr>
</thead>
<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: 20h
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