



# Lesson plan

<b>Subject of the lesson</b>	Computer systems		
<b>Name of education</b>	Cross-Platform software development		
<b>Name of the course</b>	Configuration files in Linux operating systems.		
<b>Duration of course</b>	2 hours 15 minutes		
<b>Learning objectives</b>	<ol style="list-style-type: none"> <li>1. Review of directory structure of an operating system.</li> <li>2. Knowing to automate Linux configuration.</li> <li>3. Learning configuration commands of Linux.</li> <li>4. Learning to work with the Linux terminal.</li> <li>5. Knowing user types of Linux operating system.</li> </ol>		
<b>Initial situation</b>	<ul style="list-style-type: none"> <li>- Students are all of them 18 and older and they are in the 4<sup>th</sup> month of the 1<sup>st</sup> year of this education.</li> <li>- Students have attended to some sessions about operating systems, file systems and users, and they are now learning about its configuration files.</li> <li>- They know now the file system and about users of an operating system.</li> <li>- In this lesson they will learn to work with some of the most important configuration files in Linux operating system.</li> </ul>		
<b>Time</b>	<b>Learning objectives</b>	<b>Learning activity</b>	<b>Learning sources</b>
<b>Start</b> 30 minutes	<p>Students know what the lesson is about.</p> <p>Students know what is an external memory and why it is so important.</p> <p>Students know how the files and folders are organised in a storage unit.</p> <p>Students manage the terminal environment and its basic commands.</p> <p>Students know about partitions and formats in a storage device.</p>	<p>Showing the video:</p> <ul style="list-style-type: none"> <li>- Montaje y desmontaje de memoria extraíble</li> </ul> <p>Students try to find out the external memories connected to the computer, using commands of the terminal.</p> <p>Students try to find out if the external memories are mounted in the directory tree of the operating system.</p>	<p>A computer</p> <p>A connection to the internet</p> <p>The educational platform of the subject</p>

<p><b>Middle</b> 60 minutes</p>	<p>Students learn configuration files and how to modify them.</p> <p>Students learn to mount an external memory and automate the process</p> <p>Students learn some commands to control the external memories connected to the computer.</p>	<p>Showing the videotutorial:</p> <ul style="list-style-type: none"> <li>- Automatización del montaje de una memoria extraíble</li> </ul> <p>Students practise doing some exercises about mounting and umounting external memories and hard-disks, and how to access to the information.</p>	<p>A computer</p> <p>A connection to the internet</p> <p>The educational platform of the subject</p>
<p><b>End</b> 45 minutes</p>	<p>Students know commands to manage external memories.</p> <p>Students know to mount and umount external memories.</p> <p>Students know how to automate the mounting of external memories.</p>	<p>Students do the activity "Montaje y desmontaje de unidades extraíbles" proposed in the evaluation section and they are graded.</p>	<p>A computer</p> <p>A connection to the internet</p> <p>The educational platform of the subject</p>