

Courses 2016-17

BCAM Mazarredo 14 ,48009 Bilbao, Basque Country, Spain

November 2-3, 2016, 11:00 -13:00 h

(2 sessions, a total of 4 hours)

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INTRODUCTION TO LINUX BASICS

This course is devoted to learn the basic concepts of Linux and one of the most famous UNIX shells: Bash.

Programme

Day 1 – Understanding Linux

We will study and practice the following concepts:

- What is UNIX
- Linux (shell, file system, etc)
- Man
- Running your own Linux
- Remote connection
- Shell
- Environment variables
- Commands
- Listing directories
- Contents of a file
- Moving around directories
- Creating and (re)moving directories
- Creating, copying and (re)moving files
- Permissions
- Aliases
- Text editors: nano, vi(m)
- Managing jobs
- Finding stuff
- Managing space
- Login
- Remote copying
- Remote download
- (De)compressing files
- Archiving files

Day 2 – Basic Shell scripting (Bash)

This day is dedicated to Bash itself. More precisely, bash scripting. This technique allows us to combine tools and commands to create small and time-saving applications. At the end of the session, we will suggest some exercises.

Pre Requisites

A Linux computer, although Mac users could benefit too.

Registration is free, but **inscription is required before 27th October**: So as to inscribe send an e-mail to roldan@bcamath.org. Student grants are available. Please, let us know if you need support for travel and accommodation expenses