

Unix/Linux Tutorial for Beginners

NBIS (the Swedish node of ELIXIR) and ELIXIR Slovenia are offering an "Introduction to Linux" course targeted at life scientists who want to extend their skills and knowledge.

Nowadays, vast amount of data are generated in many application domains, usually in the form of very large text files. Trying to handle this data with applications like Word or Excel is difficult or impossible, while using the Linux command line can drastically simplify your work and improve your efficiency. Linux/Unix provides an excellent computing environment for several disciplines (such as bioinformatics, physics, engineering) and the command line interpreter (shell) serves as an interface to a large amount of programs to process big data. The course provides a basic introduction to Unix/Linux commands and covers how Unix/Linux commands can be used to manage and inspect your data and results, and how to generate and run pipelines and workflows using basic shell scripting. Finally, we will show you how mastering the command line enables you to access supercomputers for boosting your scientific research.

The course is delivered via classroom training and via an e-learning platform, thus offering the participants the possibility of attending the course either by traveling to Stockholm or to Umea in Sweden, to Ljubljana in Slovenia, or by connecting remotely via the ELIXIR Slovenia e-learning platform. The number of remote students is limited to 30. The course will be broad-casted from Sweden.

Course certificates will be handed out only if sufficient points are earned during small accompanying exams. Participation to the exams is not mandatory if a certificate is not needed.

Date: **Tuesday 10th to Thursday 12th December, 9 am – 5 pm**
Instructors: Mihaela Martis-Thiele & Jeanette Tångrot, NBIS
Application deadline: **November 8th, 12am**

Prerequisites:

The course is addressed to life scientists with no or very little experience in using Linux commands but who are enthusiastic about learning how to use them for simplifying their work and improving their efficiency. Participants should expect an **intensive** course which includes many hands-on exercises.

What to bring:

All participants are expected to use their own computers. In addition remote participants are expected to have an (integrated) web-cam and a headset, so that we can give you quick feedback and efficient help.

Registration:

<https://linux2019.eventbrite.co.uk>. Note that the number of participants is limited and the participants are assigned on a first come, first served basis.

Student's location: either in one of the classrooms or remote

Confirmation to accepted students: November 11th

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