

UNIX Boot Camp

This bootcamp is designed to provide participants with a basic overview of essential Unix/Linux commands, enabling them to navigate the file system and perform tasks such as moving, copying, and editing files. It will also include a brief introduction to key networking commands in Unix.

This workshop is suitable for BSc students, recent graduates, and anyone with a strong interest in learning Linux.

Workshop Level

Basic Level

Instructor

- Mohamed Ayman
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Tutors

- Mojahid Mohammed
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Requirements

- Participants should have a Linux VM ready with sudo access

Language

Arabic

Date & Time

- Date: Saturday,
- Time: 11:00 UTC (13:00 Sudan Time)

Outlines

<p style="text-align: center;">Part 1</p> <p style="text-align: center;">5 July 2025</p>	<p>Session 1 - Intro To Linux:</p> <ul style="list-style-type: none"> - Birth of Linux. - Linux features. - Unix and Linux families. - Command line vs Gui - Accessing the command line <p>Session 2 - Managing Files from the command line:</p> <ul style="list-style-type: none"> - List options (ls). - Change Directory (cd). - Absolute path and relative path. - copy and move (cp & mv). - Wildcards.
<p style="text-align: center;">Part 2</p> <p style="text-align: center;">26 July 2025</p>	<p>Session 3 - Getting help in Linux:</p> <ul style="list-style-type: none"> - help options. - man pages. - Locating Files on the System (locate command). - Find command. <p>Session 4 - Managing files in Linux:</p> <ul style="list-style-type: none"> - Using head, tail and grep. - Creating and editing files. - Nano text editor. - Vim text editor. <p>Lab3 Link</p> <p>Lab4 Link</p>
<p style="text-align: center;">Part 3</p> <p style="text-align: center;">16 August 2025</p>	<p>Session 5 - Managing Local Linux Users and Groups:</p> <ul style="list-style-type: none"> - Manage Linux users. - Manage Linux groups. - Files permissions. <p>Session 6 - Monitoring and Managing Processes and Services in Linux:</p> <ul style="list-style-type: none"> - Monitoring Processes. - Managing Processes. - Managing Services and Daemons.

Material

- Workshop materials are shared here:

https://drive.google.com/drive/folders/15ka8kxWEZ37aOxs7qBYkTjg2kxz-7106?usp=share_link

Session's Record

Part 1 :

https://drive.google.com/file/d/10UvuheZ_2lqvX58cDIGmIZ02wOMMPqvz/view?usp=share_link

Part 2:

https://drive.google.com/file/d/1Fa_buz4wWKG81ew7zKDS_1pHR3GneoqU/view?usp=share_link

Part 3:

https://drive.google.com/file/d/18C2-0mVMtyznoGZ3iMpPDZM4PBgxAip5/view?usp=share_link

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