

# Basics of System Administration in Linux

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**National Mission on Education through ICT**

**<http://spoken-tutorial.org>**

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# Learning Objectives



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- ▶ **adduser**



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# Learning Objectives

- ▶ **adduser**
- ▶ **su**



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# Learning Objectives

- ▶ **adduser**
- ▶ **su**
- ▶ **usermod**



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- ▶ **adduser**
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- ▶ **adduser**
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- ▶ **id**



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- ▶ **adduser**
- ▶ **su**
- ▶ **usermod**
- ▶ **userdel**
- ▶ **id**
- ▶ **du**
- ▶ **df**



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# Prerequisite



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- ▶ I am using Ubuntu 10.10 to demonstrate this tutorial.



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- ▶ I am using Ubuntu 10.10 to demonstrate this tutorial.
- ▶ **General Purpose Utilities in Linux** available on our website <http://spoken-tutorial.org>.



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# Prerequisite

- ▶ I am using Ubuntu 10.10 to demonstrate this tutorial.
- ▶ **General Purpose Utilities in Linux** available on our website <http://spoken-tutorial.org>.
- ▶ One must have admin access in order to execute some admin commands.



# adduser

- ▶ The **adduser** command will create a new user login for us along with authentication.



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# adduser

- ▶ The **adduser** command will create a new user login for us along with authentication.
- ▶ We can add any user account with the help of **sudo** command.



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- ▶ **sudo** command allows the administrative user to execute a command as a super user.



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# sudo

- ▶ **sudo** command allows the administrative user to execute a command as a super user.
- ▶ The **sudo** command has many options.



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- ▶ **su** stands for 'Switch User'.
- ▶ This command is useful in switching from current user to another user.



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# usermod

- ▶ **Enables a super user or root user to modify the settings of other user accounts:**



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- ▶ **Enables a super user or root user to modify the settings of other user accounts:**
  - ▶ **Change the password to no password or empty password.**



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- ▶ **Enables a super user or root user to modify the settings of other user accounts:**
  - ▶ Change the password to no password or empty password.
  - ▶ Show the date on which the user account will be disabled.



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- ▶ **id** command is used to check the identities of all the users and groups on the system.



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- ▶ **id** command is used to check the identities of all the users and groups on the system.
- ▶ To know about the identity of the user, we use **id -u**.



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- ▶ **id** command is used to check the identities of all the users and groups on the system.
- ▶ To know about the identity of the user, we use **id -u**.
- ▶ To know about the identity of the group users, it is **id -g**.



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- ▶ We can delete the user account permanently with the help of the **userdel** command



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# df and du

- ▶ The **df** command gives a report on the free space available on the disk.



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# df and du

- ▶ The **df** command gives a report on the free space available on the disk.
- ▶ The **du** command gives a report on how much space a file has occupied.



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# Summary

- ▶ **adduser** command to create a new user account.



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# Summary

- ▶ **adduser** command to create a new user account.
- ▶ **su** command to switch from one user to another user.



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# Summary

- ▶ **adduser** command to create a new user account.
- ▶ **su** command to switch from one user to another user.
- ▶ **usermod** command for changing the user account settings.



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# Summary

- ▶ **adduser** command to create a new user account.
- ▶ **su** command to switch from one user to another user.
- ▶ **usermod** command for changing the user account settings.
- ▶ **userdel** command to delete the user account.



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# Summary

- ▶ **id** command to know the information about user ids and group ids.



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# Summary

- ▶ **id** command to know the information about user ids and group ids.
- ▶ **df** command to check the file system size and its availability.



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# Summary

- ▶ **id** command to know the information about user ids and group ids.
- ▶ **df** command to check the file system size and its availability.
- ▶ **du** command to check the space occupied by a file.



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# About the Spoken Tutorial Project

- ▶ The video available at,  
[http://spoken-tutorial.org/What\\_is\\_a\\_Spoken\\_Tutorial](http://spoken-tutorial.org/What_is_a_Spoken_Tutorial)



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# About the Spoken Tutorial Project

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- ▶ Summarises the Spoken Tutorial project.



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- ▶ Summarises the Spoken Tutorial project.
- ▶ If you do not have good bandwidth, you can download and watch it.



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# About the Spoken Tutorial Project

- ▶ We conduct workshops using spoken tutorials.



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- ▶ We also give certificates to those who pass an online test.



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- ▶ **More information:**  
<http://spoken-tutorial.org/NMEICT-Intro>



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