

Basics of System Administration

Spoken Tutorial Project
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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- ▶ **adduser**
- ▶ **su**



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- ▶ **usermod**



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- ▶ **df**



Prerequisite

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- ▶ **One must have admin access in order to execute the commands shown.**



adduser



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



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- ▶ We can add any user account with the help of **sudo** command.



sudo command



sudo command

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



sudo command

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



su command



su command

- ▶ **su** stands for 'Switch User'.



su command

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



usermod command



usermod command

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



usermod command

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

- ▶ Change the password to no password or empty password.



usermod command

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.



id command



id command

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id command

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id command

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



userdel command



userdel command

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



df and du command



df and du command

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



df and du command

- ▶ 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.



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.



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.



About the Spoken Tutorial Project

- ▶ The video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial summarises the Spoken Tutorial project.
- ▶ If you do not have good bandwidth, you can download and watch it.



About the Spoken Tutorial Project

- ▶ **We conduct workshops using spoken tutorials.**
- ▶ **We also give certificates to those who pass an online test.**
- ▶ **Please contact us for more details.**



Acknowledgement

- ▶ **Spoken Tutorial Project is a part of Talk to a Teacher Project.**
- ▶ **Supported by the National Mission on Education through ICT, MHRD, Government of India.**
- ▶ **More information:**
<http://spoken-tutorial.org/NMEICT-Intro>

