**Topic: "Changing owners and file access rights in Linux"**

**Performed by students RPZ-93B group**

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**The purpose of the work:**

1. Gaining practical skills in working with the Bash shell.
2. Familiarity with basic actions when changing file owners .
3. Familiarity with the basic actions when changing file permissions

**Material support of classes**

1. Computer type IBM PC.

2. Windows family of operating systems (Windows 7).

3. Virtual machine - Virtual Box (Oracle).

4. GNU / Linux operating system - CentOS.

5. Cisco Network Academy website netacad.com and its online Linux courses

**Tasks for preliminary preparation.**

1. Read brief theoretical information for laboratory work and make a small dictionary of basic English terms on the purpose of commands and their parameters.
2. On the basis of the considered material give answers to the following questions:
   1. What is the purpose of the id command?
   2. How do I see what permissions the file owner has?
   3. How to change group owner?
   4. How can I view the current file type in the terminal? Give examples for different file types
3. Learn Cisco Academy Online Course Materials:

* NDG Linux Essentials ( Chapter 17 all Topics )

1. Take the NDG Linux Essentials course on the following topics:

* Chapter 1 7 Exam

1. Prepare the initial version of the report in electronic form:

* Title page, topic and purpose of the work
* Glossary of terms
* Answers to paragraphs 2.1-2.3 of the tasks for preliminary training

**Progress.**

* 1. Initial work in CLI mode in Linux Linux family:
  2. Start the VirtualBox virtual machine, select CentOS, and start it. Log in under the user: CentOS, login password: reverse ***(if you are performing LR in room 401)*** and lower the terminal.
  3. Start the Ubuntu\_PC virtual machine ***(if you are performing LR tasks through the netacad academy)***
  4. Start your Linux operating system ***(if you are running your own PC and have it installed)*** and start the terminal.
  5. Study all the examples of commands presented in the laboratory work of the ***NDG Linux Essentials course:***
* ***Lab 1 7 : Ownership and Permissions***
  1. Create a table of commands studied in paragraph 2 of the work in the following form:

|  |  |
| --- | --- |
| Command name | Its purpose and functionality |
|  |  |
|  |  |
|  |  |
|  |  |

**Test questions**

1. Give examples of changing access rights by Symbolic Method ?
2. Give examples of changing access rights by numeric method (numeric method, octal method)?
3. What is the purpose of the umask team ?
4. If we change the access rights and permissions in the current session, will they be retained in the next one? .
5. Is there a template that the system uses for rights and access when creating new files. How can I change the default permissions ?