IT Technology
LIN 17 Linux
Archiving and Backup
and Regular Expressions
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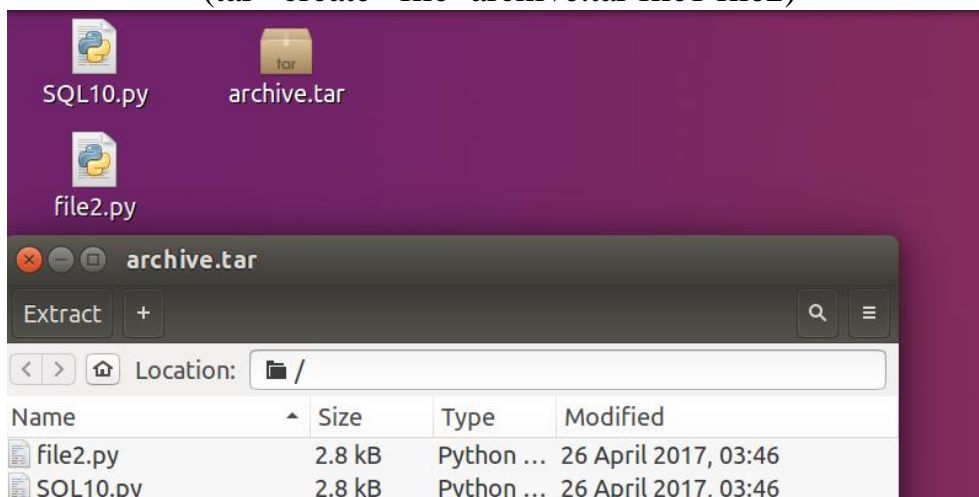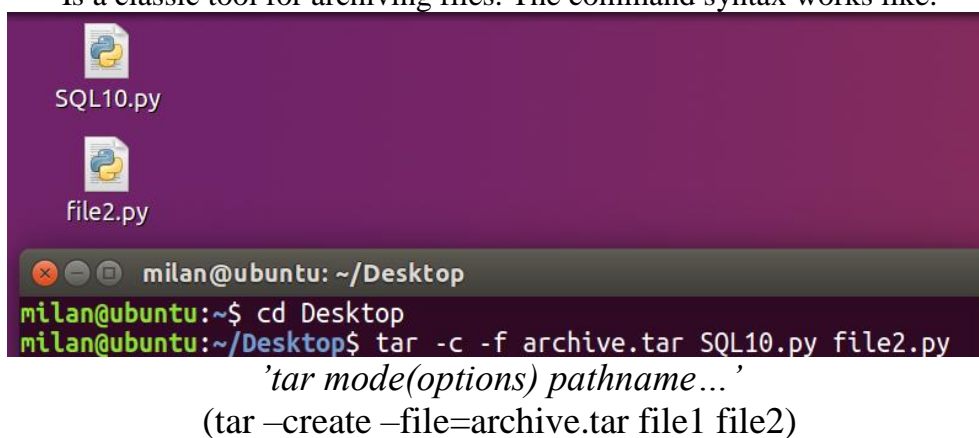Dilshad Khalaf: dils0008@edu.eal.dk

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Introduction

This document shows how Archiving, Backup and Regular expressions work on Linux machines.The audience of this document are the teachers and any of our classmates who is interested in to check. The audience must have done and understand chapter 18 and 19 in " THE LINUX COMMAND LINE. by William E. Shotts "

Archiving Files

Archiving is one process of collecting files and bundle them into a single file. It is particulary useful when old data is moved from a system to some type of long-term storage.

tar – Tape Archiving Utility.

Is a classic tool for archiving files. The command syntax works like:

'tar mode(options) pathname…'
(tar –create –file=archive.tar file1 file2)

As we can see the tar file has been created and includes all the files we added on the command line.

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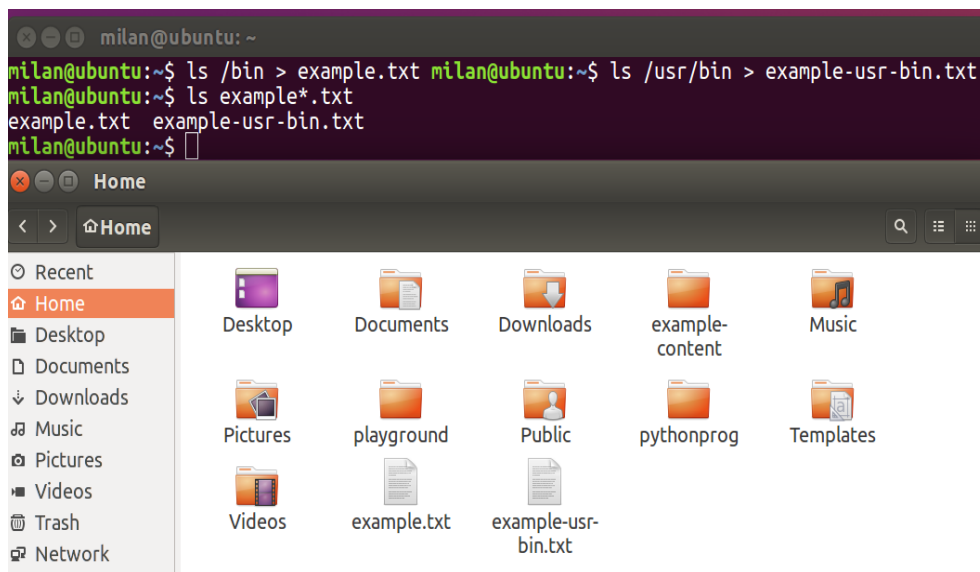Dilshad Khalaf: dils0008@edu.eal.dk

What are regular expressions?

<u>Regular expressions (Regexp) </u>is one of the advanced concept we require to write efficient shell scripts and for effective system administration. Basically regular expressions are divided in to 3 types for better understanding.[1]
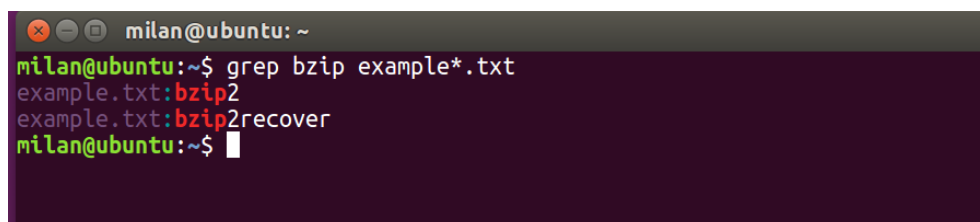
Grep-Search Through Text

The program searches text files for the occurrence of a specified regular expression and outputs any line containing a match to standard output.

To be able to show the function of *grep*, let's create some text files to search:

We can perform a simple search of our list of files like this:

In this example, *grep* looks for all the listed files for a string *bzip* and finds 2 matches, both in the *example.txt*

Conclusion

We found a few more interesting commands, but it could be more then 2 pages. We have just put Introduction and Conclusion to the same page as the context are, because we could only write 2 pages. I will try some more and put on my github page:
https://github.com/Millix95/Linux

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[1] http://www.linuxnix.com/regular-expressions-linux-i/

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