Advanced Commands

Secure Copy

scp - allows copy from/to a remote server

Upload to a server

scp <local_path> <name>@<server>:/<remotepath>

scp /tmp/stan.log stan@52.10.191.83:/tmp/

Download from a server

scp <name>@<server>:/<remotepath> <localpath>

scp stan@52.10.191.83:/tmp/stan.log /tmp/

Exercise

1. Create a file <your_name.txt> in /tmp

2. Upload the file to /tmp/api on 52.10.191.83 (stan/apiclass)

3. Remove all files/folder from your /tmp folder

4. SSH to 52.10.191.83 (stan/apiclass)

5. Find all .log fles in /tmp folder

6. Download all .log files on your local /tmp

Powerfull grep

-i ignore the case

-v show me everything but <your_pattern>

-n show me a line number

-r use recursively search

-c count how many strings does the file have?

-l show me all files with the match

-L show me all files without the match

-m NUM show NUM of results

--color display content in color

Example

grep -inH --color '1Password-5.4.BETA-13.zip' /tmp/*.log

```
Stanislavs-MacBook-Pro-3:tmp teroff$ grep -inH --color '1Password-5.4.BETA-13.zip' /tmp/*.log
/tmp/api.log:128329:                    url = "https://cache.agilebits.com/dist/1P/mac4/1Password-5.4.BETA-13.zip";
/tmp/api.log:128333:                    url = "https://d13itkw33a7sus.cloudfront.net/dist/1P/mac4/1Password-5.4.BETA-13.zip";
/tmp/api.log:128337:                    url = "http://cdn.agilebits.com/dist/1P/mac4/1Password-5.4.BETA-13.zip";
/tmp/lol.log:128329:                    url = "https://cache.agilebits.com/dist/1P/mac4/1Password-5.4.BETA-13.zip";
/tmp/lol.log:128333:                    url = "https://d13itkw33a7sus.cloudfront.net/dist/1P/mac4/1Password-5.4.BETA-13.zip";
/tmp/lol.log:128337:                    url = "http://cdn.agilebits.com/dist/1P/mac4/1Password-5.4.BETA-13.zip";
/tmp/test.log:256605:                    url = "https://cache.agilebits.com/dist/1P/mac4/1Password-5.4.BETA-13.zip";
/tmp/test.log:256609:                    url = "https://d13itkw33a7sus.cloudfront.net/dist/1P/mac4/1Password-5.4.BETA-13.zip";
/tmp/test.log:256613:                    url = "http://cdn.agilebits.com/dist/1P/mac4/1Password-5.4.BETA-13.zip";
Stanislavs-MacBook-Pro-3:tmp teroff$ |
```

Exercise

1. Find all files with 0x7fff19f28cb0 inside

2. Count

3. Print lines with 0x7fff19f28cb0

4. Find all files without 0x7fff19f28cb0

Homework

- How to grep first n lines of a file?