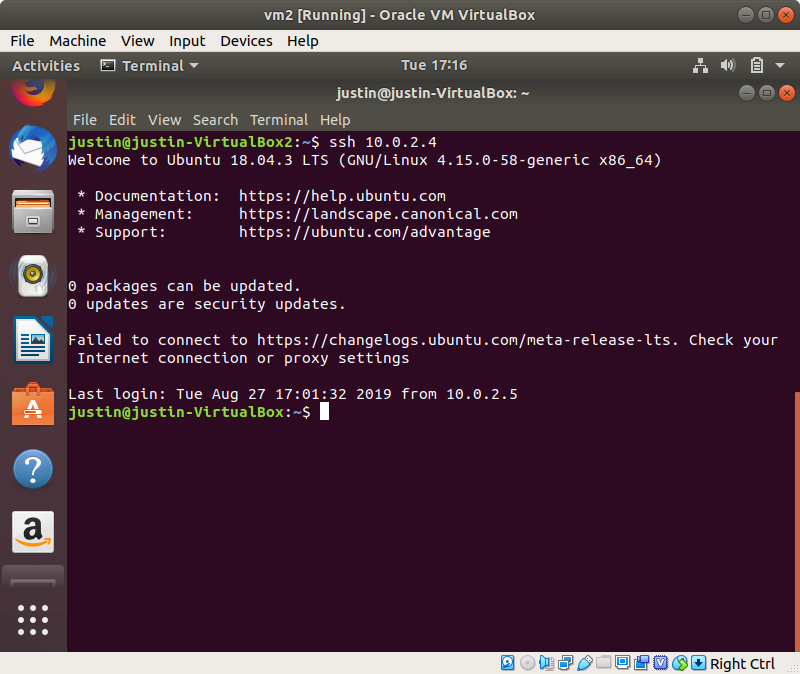
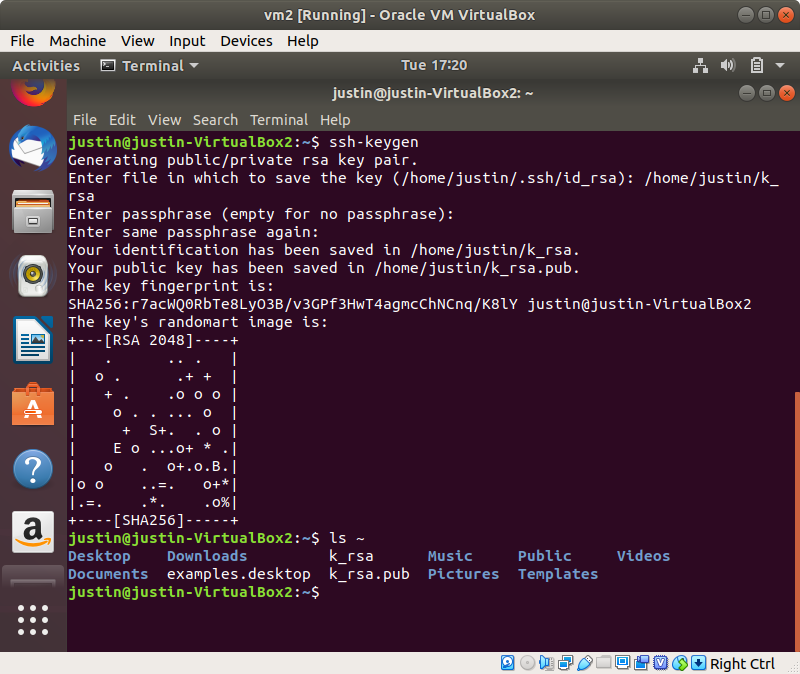
Q2

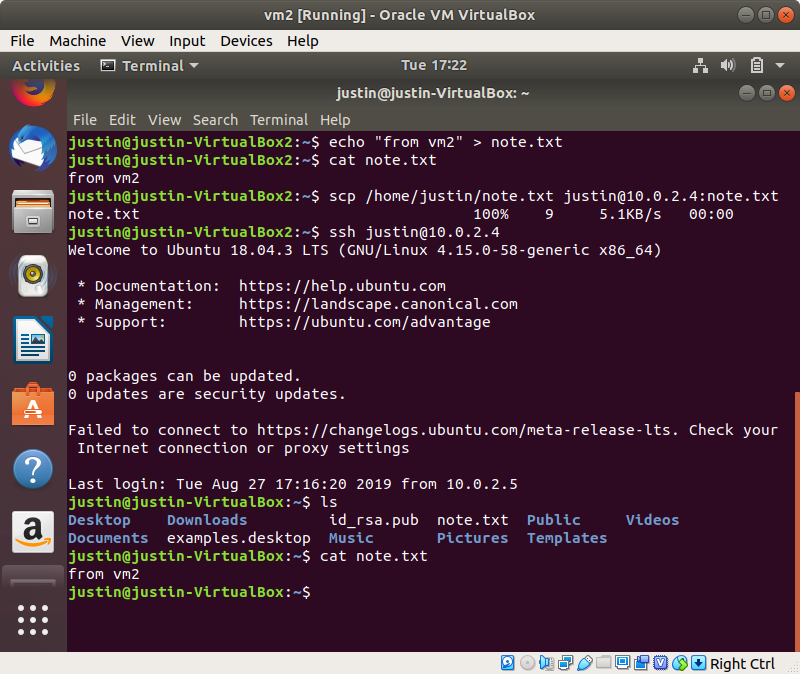
a. ssh - Connect to a remove host using the ssh protocol

t

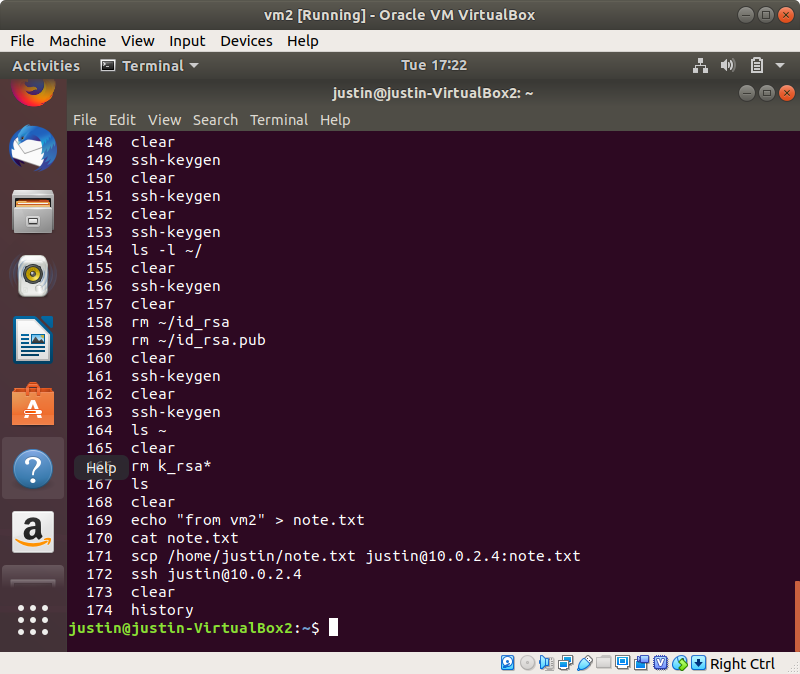
b. ssh-keygen - create a public-private key pair for ssh authentication



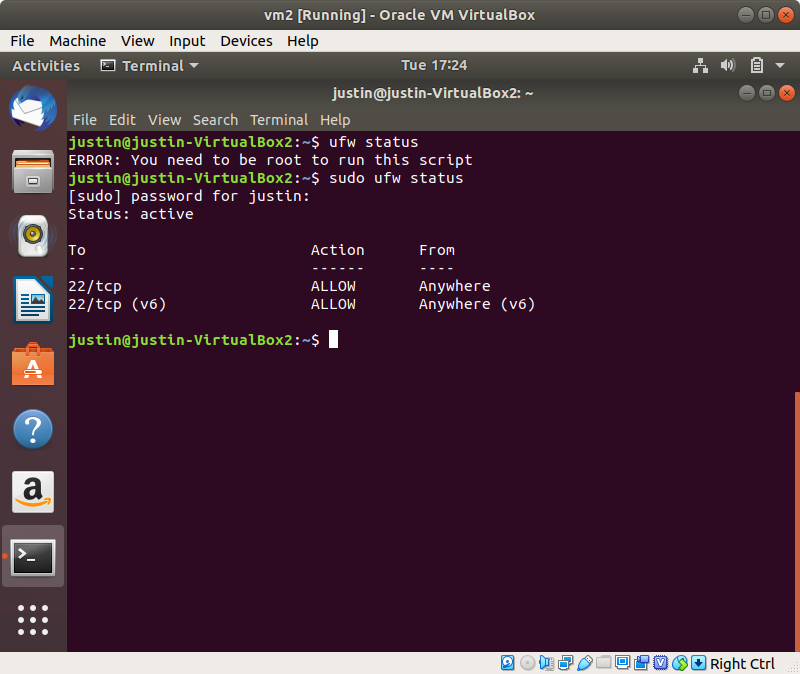
c. scp - copy files from remote to local, and vice versa



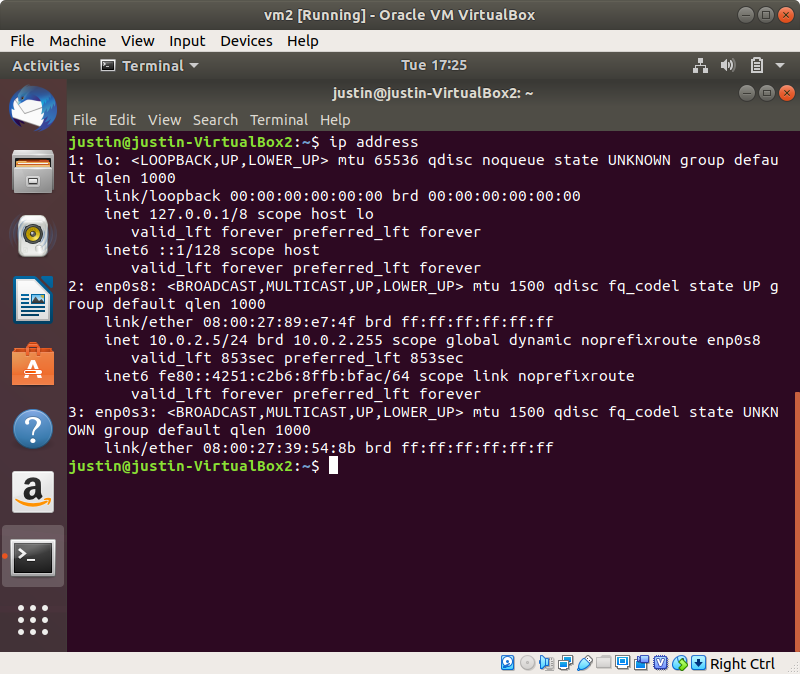
d. history - display previously inputted commands



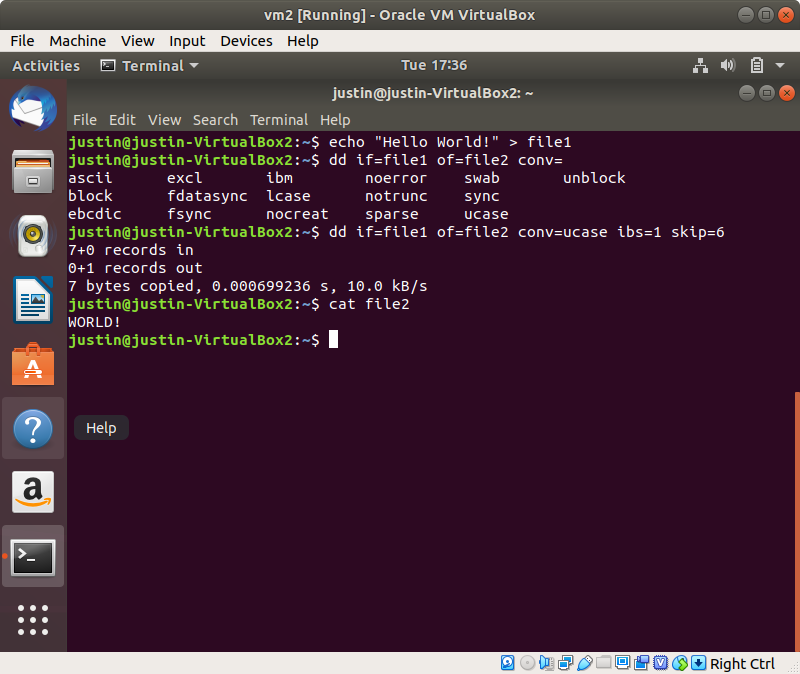
e. sudo - Execute commands at elevated privilege user



f. ip - display network adapter interface settings (ip masks, addresses - ip and MAC, etc)



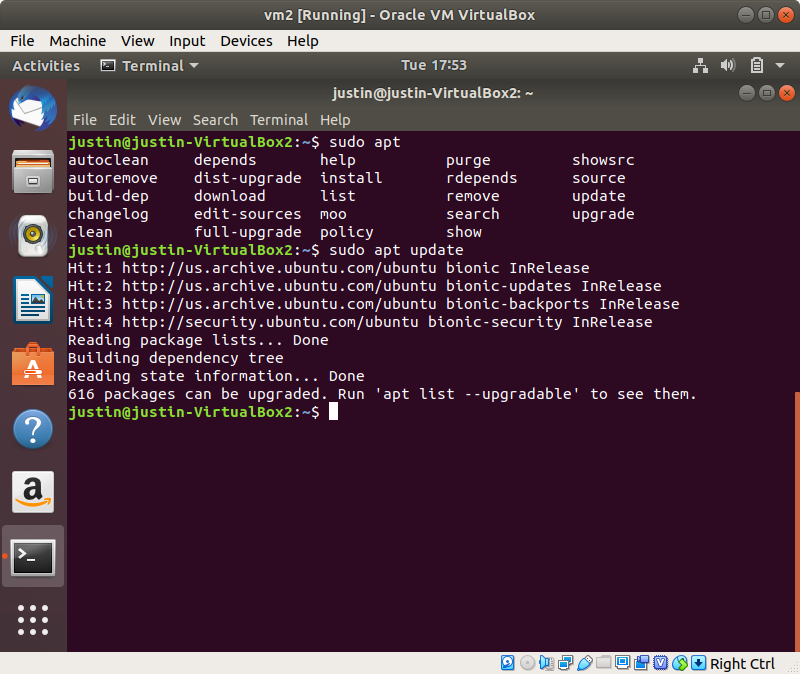
g. dd - copy bytes files from specified input to output. Shows performance.



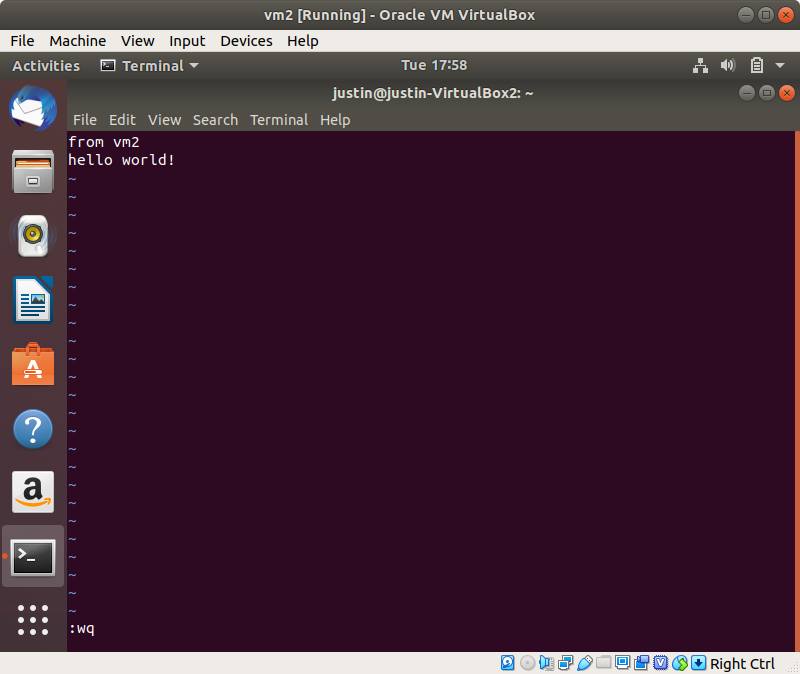
h. fdisk - Manage the partition of a disk device

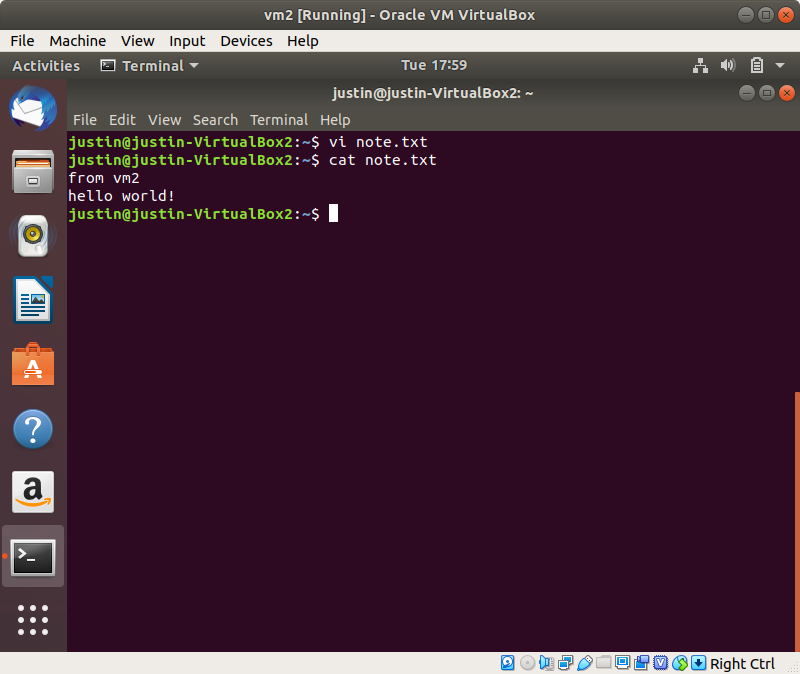


i. apt - the command line interface for the package manager in ubuntu. Use to install and remove packages.

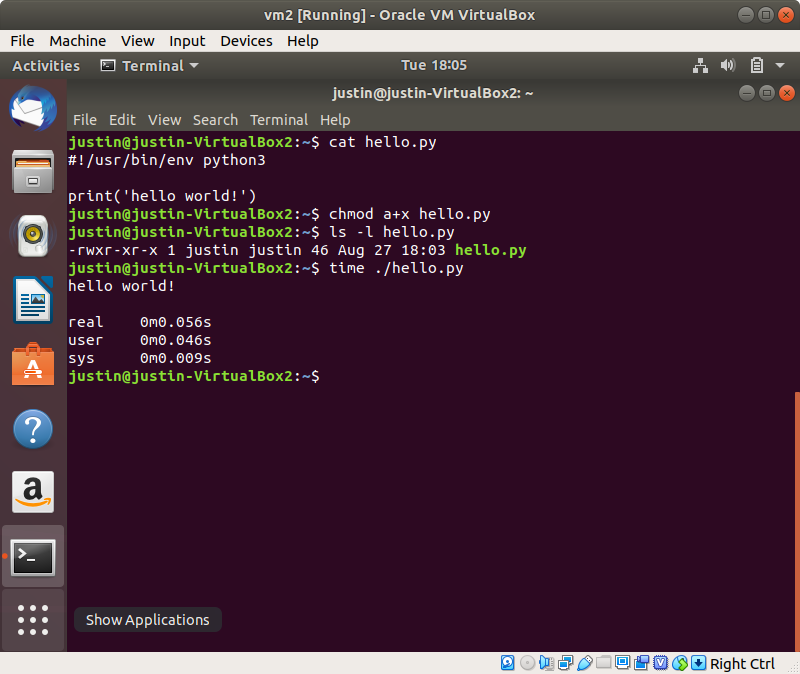


j. vi - lightweight text editor

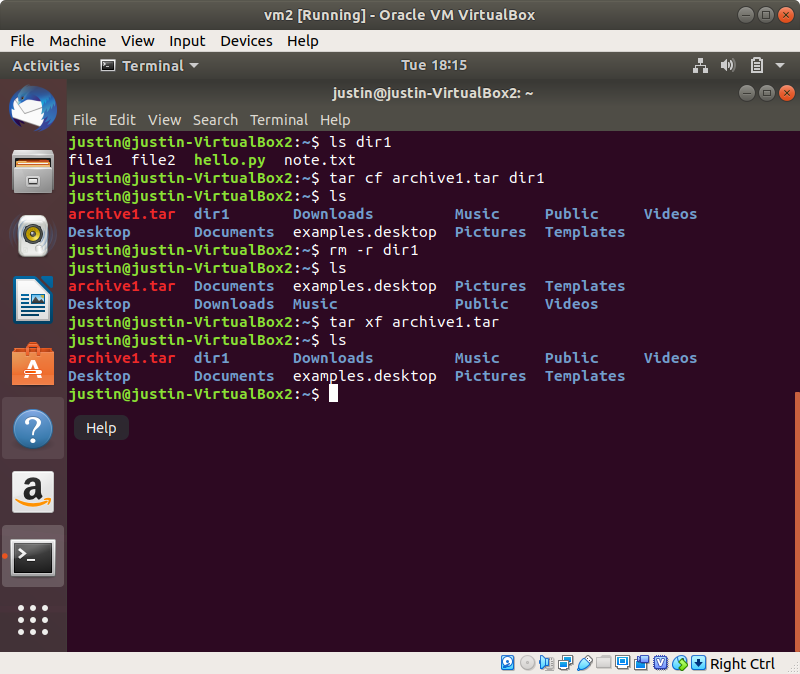




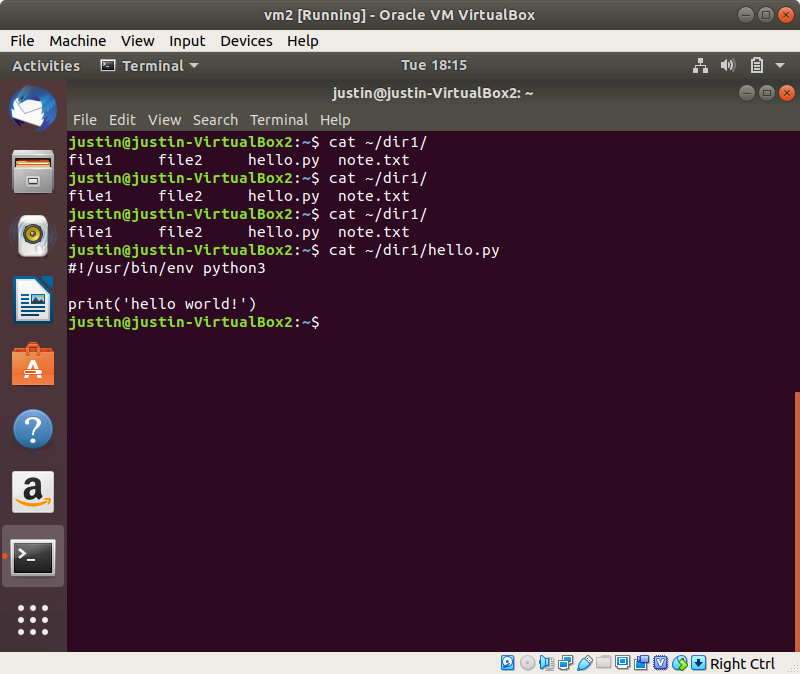
k. time - show the execution time of a program



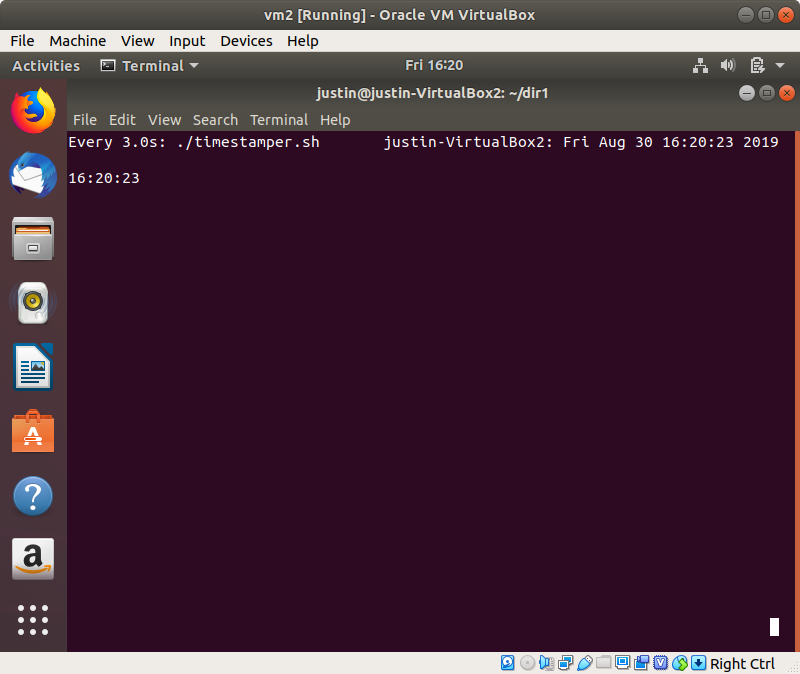
l. tar - archive and compress files and directories, and also extracts created archives

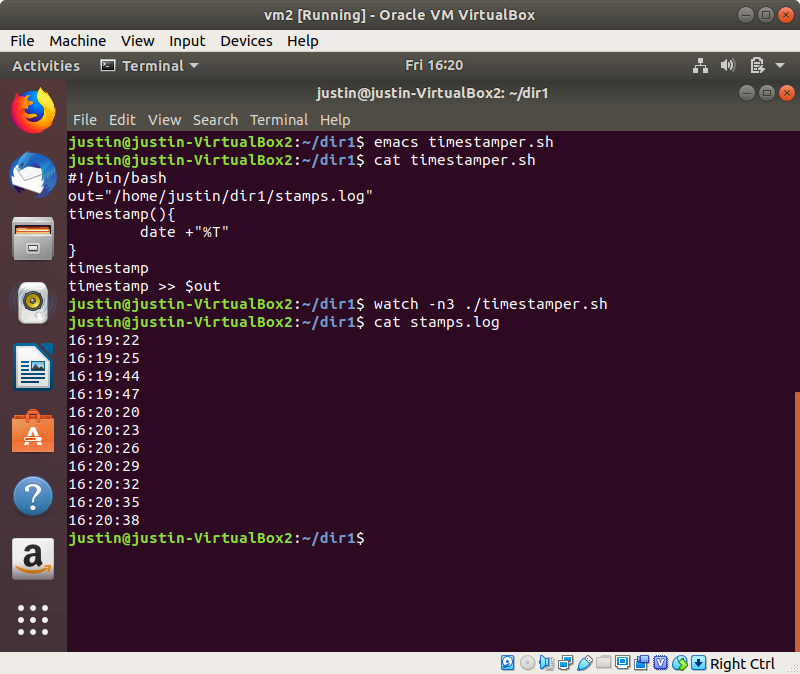


m. cat - print contents of file to standard output

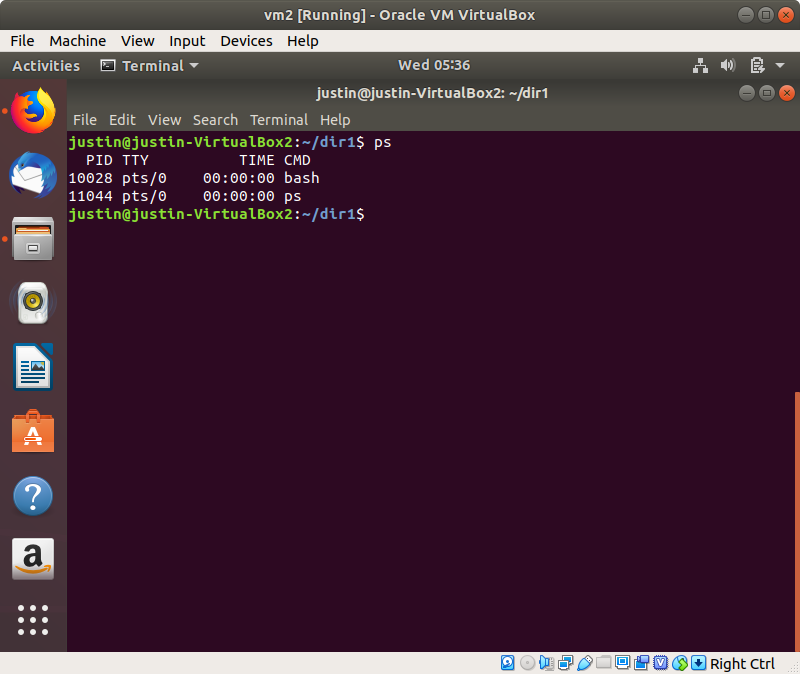


n. watch - periodically execute a command in the shell, while displaying the output on every execution.

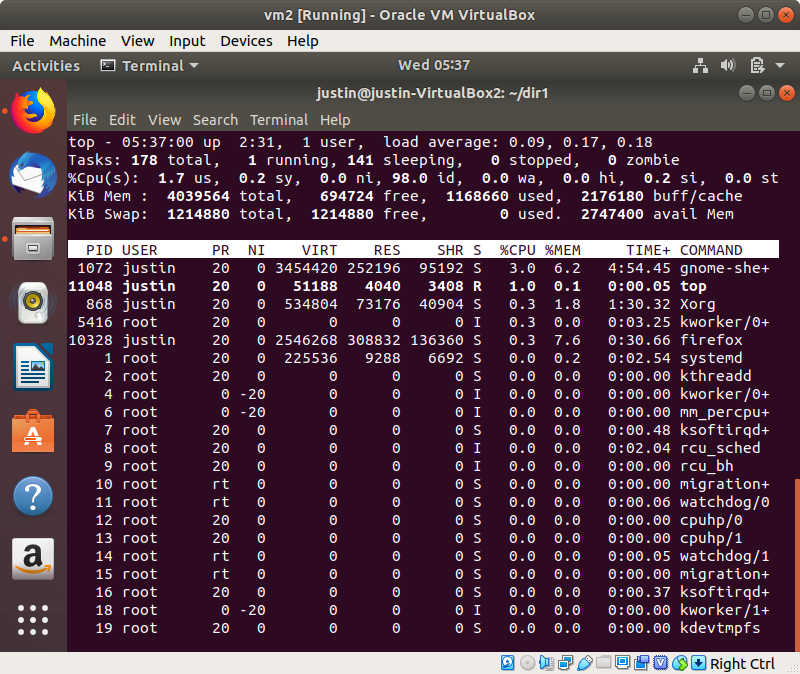




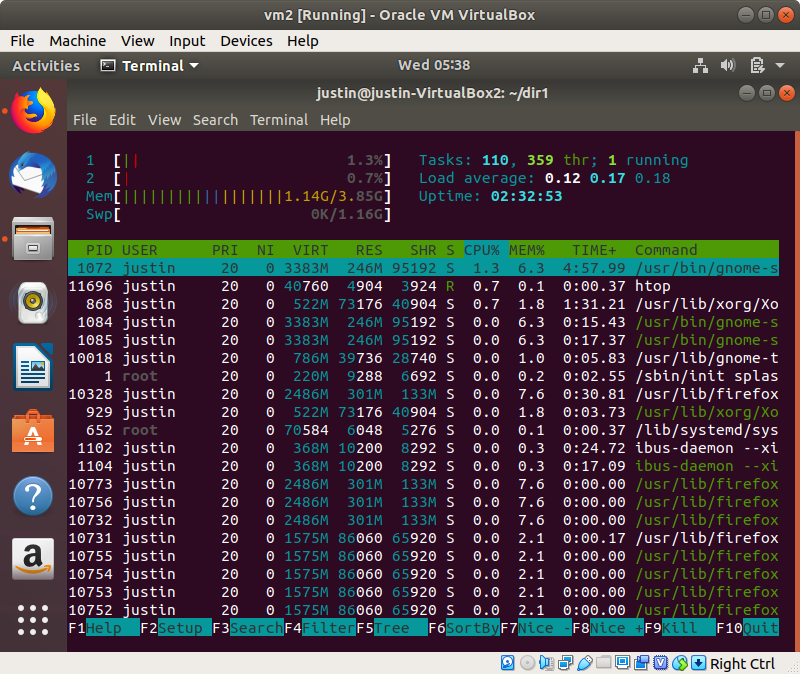
o. ps - display current running processes



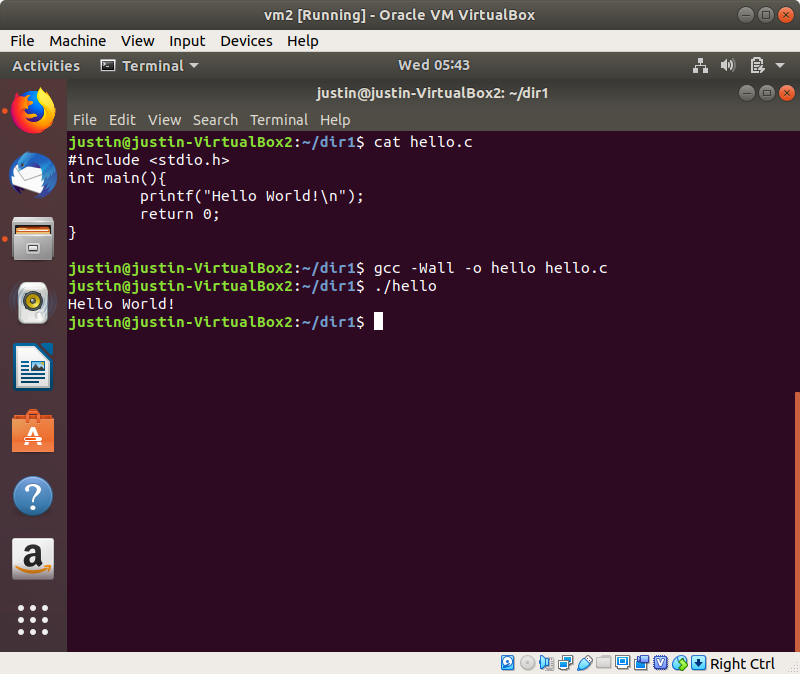
p. top - Display all running linux processes, dynamically



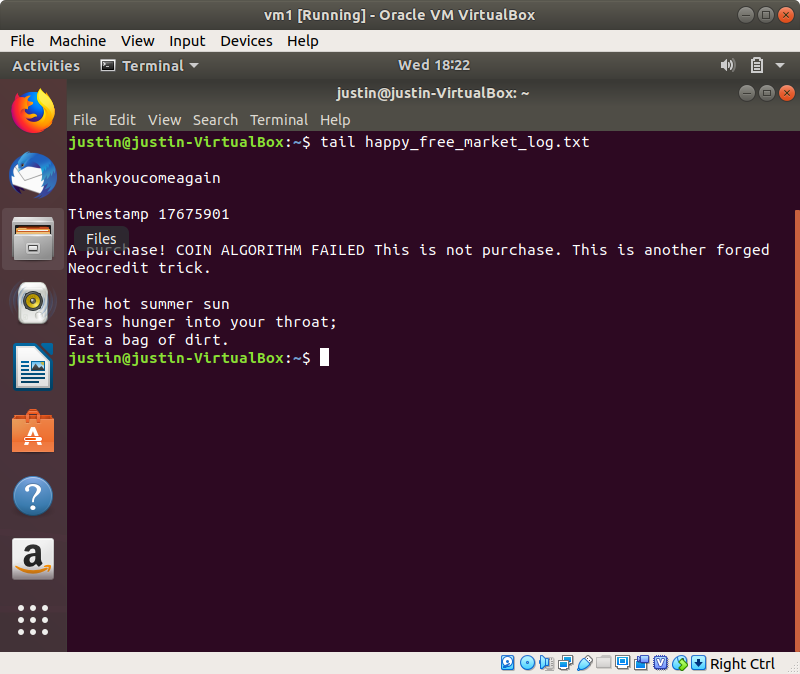
q. htop - A “prettier” top, with more functionalities (e.g. select multiple processes at once)



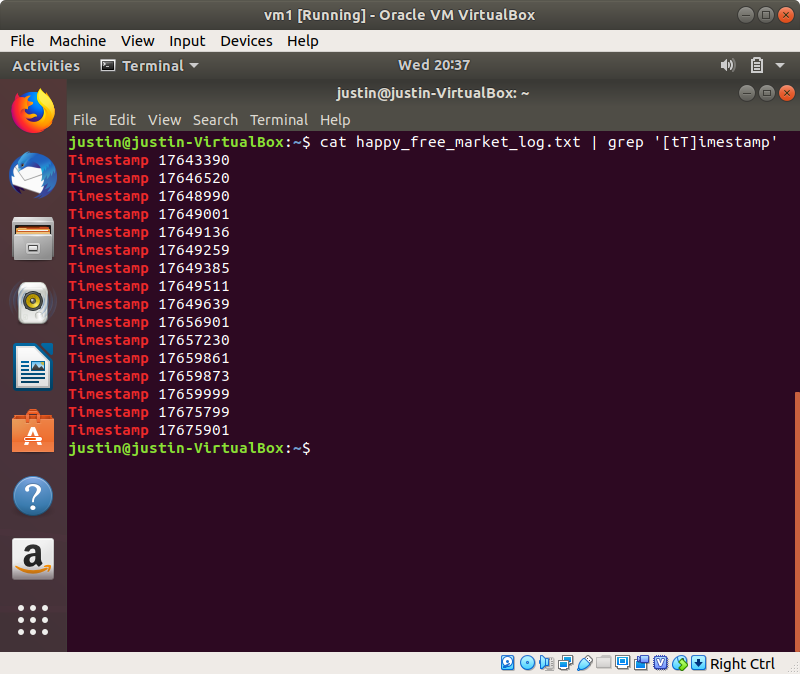
r. gcc - GNU C compiler



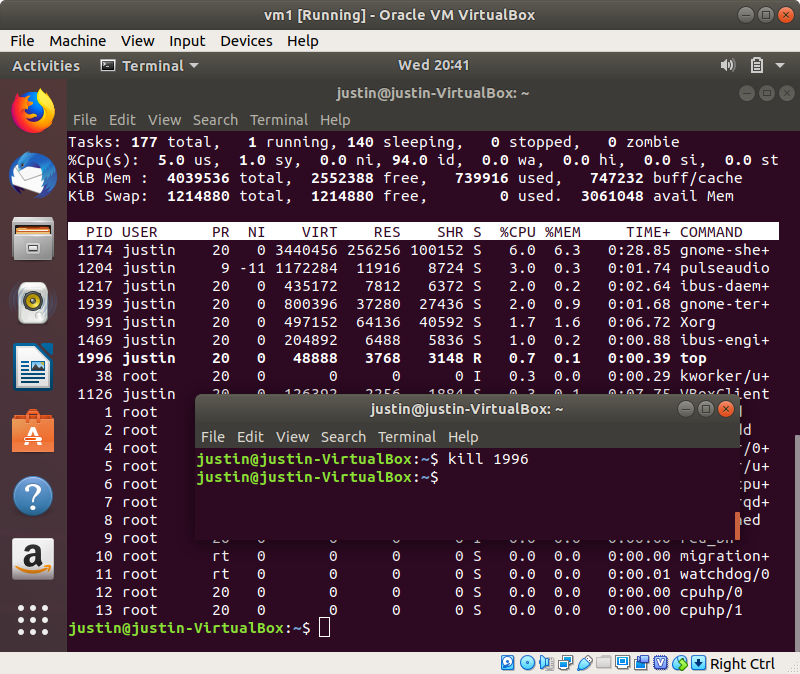
s. tail - print the last lines of a file to stdout



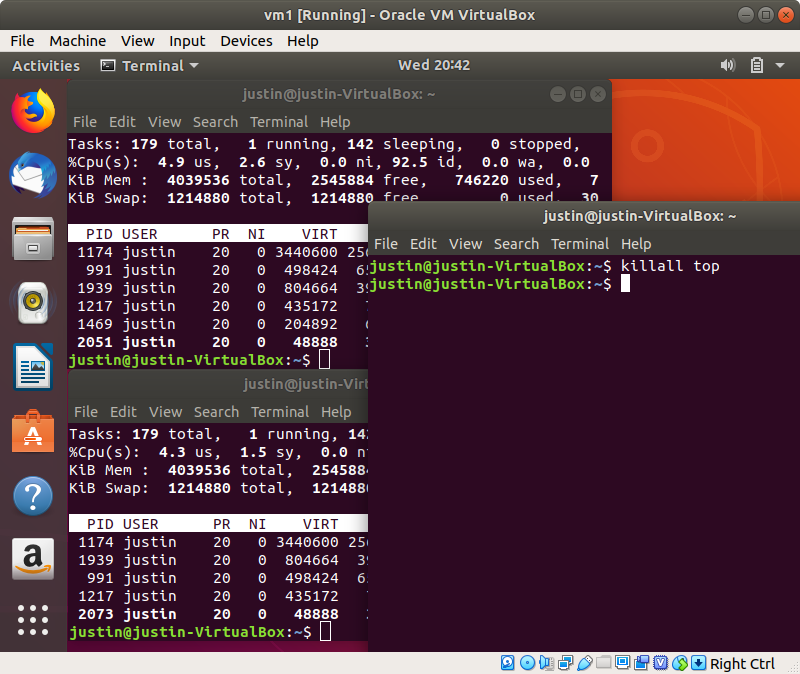
t. grep - a text filter program that finds matches from input files using regex.



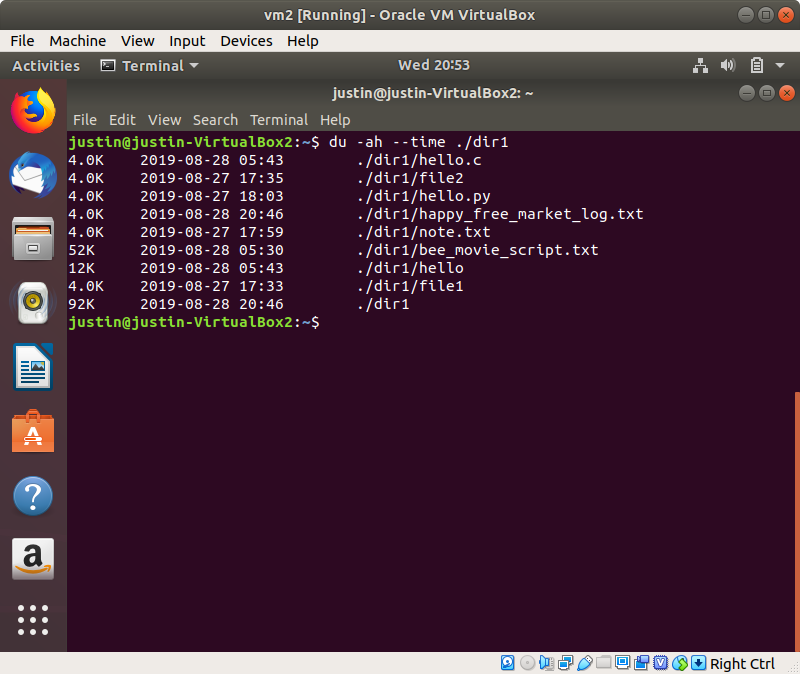
u. kill - terminate a running process



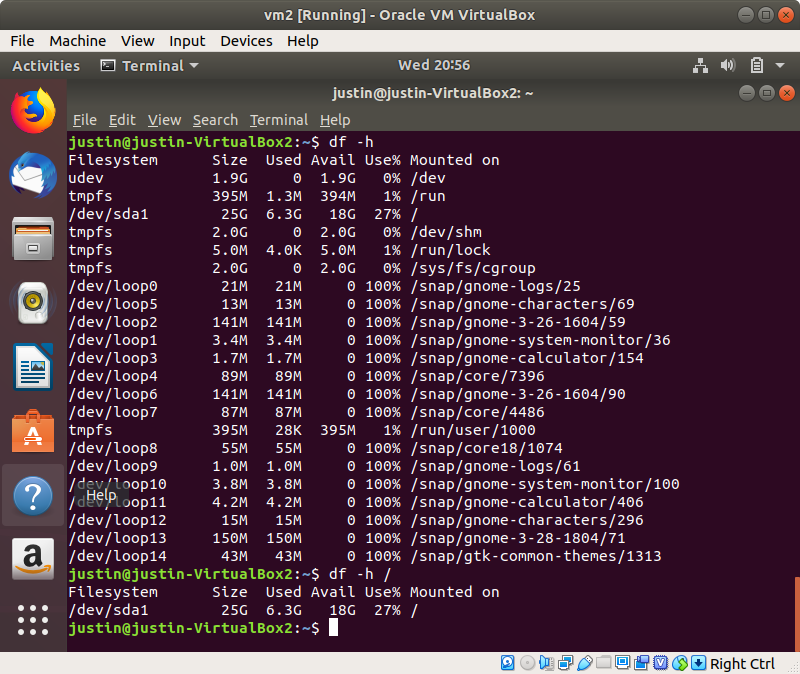
v. killall - terminate all processes with the provided program name



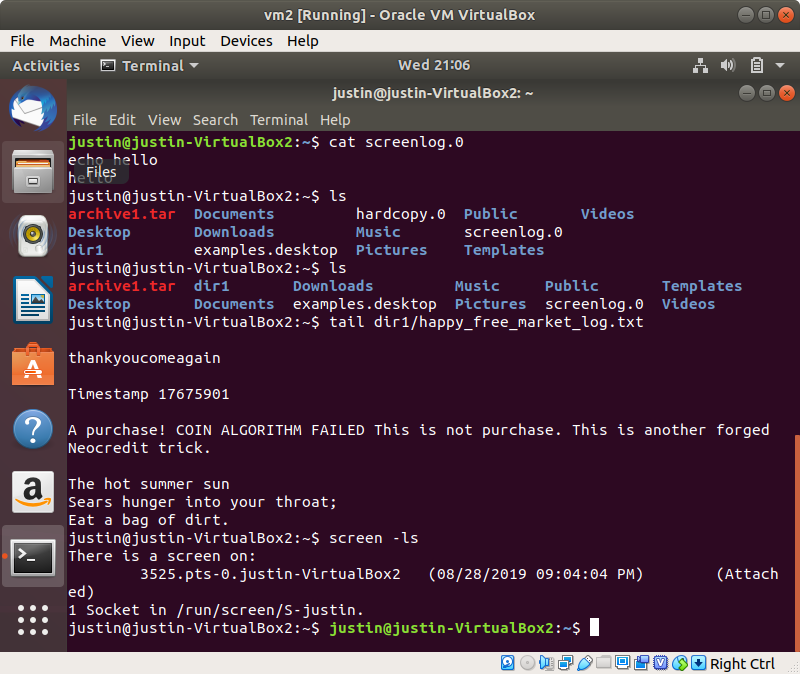
w. du - Estimate the file sizes in the given directory

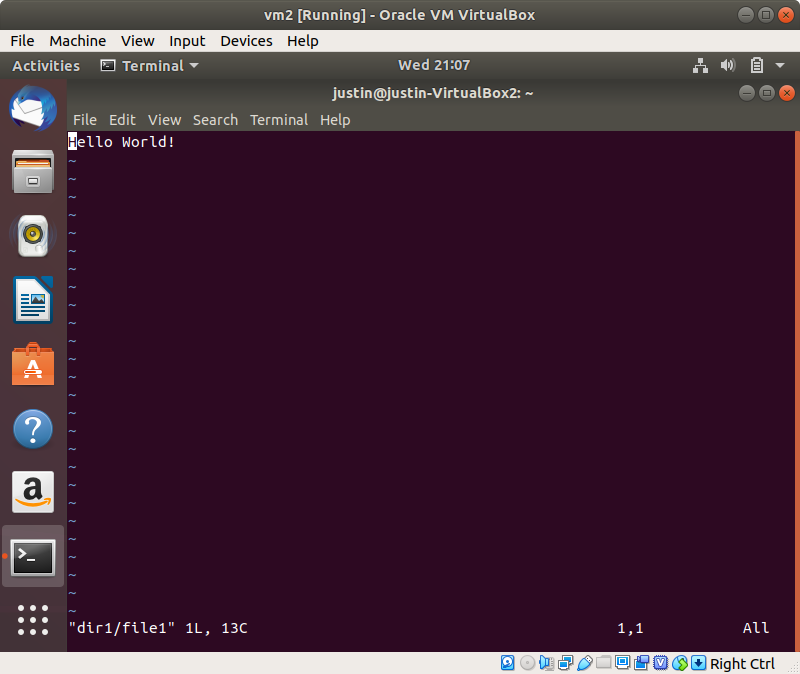


x. df - Display the filesystem usage and disk availability

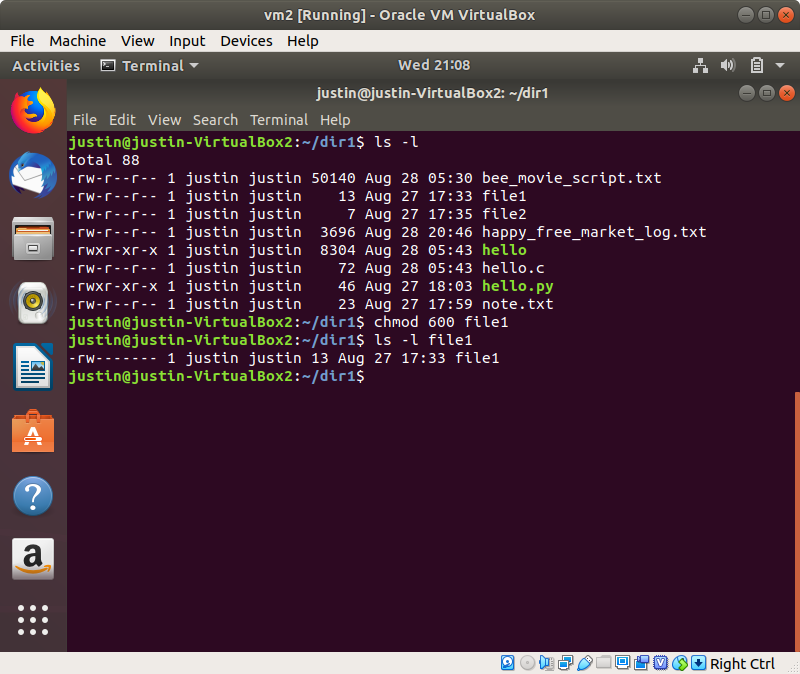


y. screen - run processes in the background, with command logging functionalities

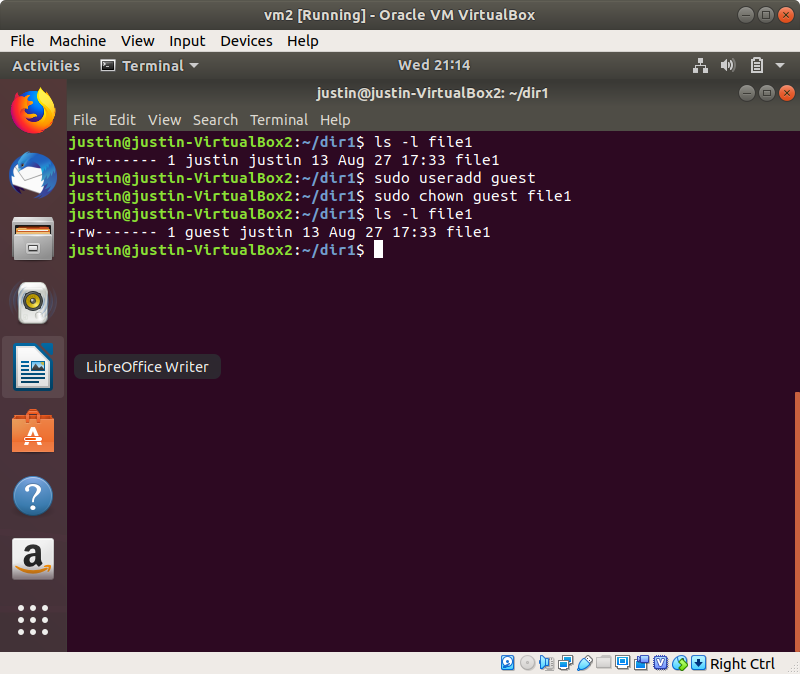
z. vim - Text editor, VI iMproved



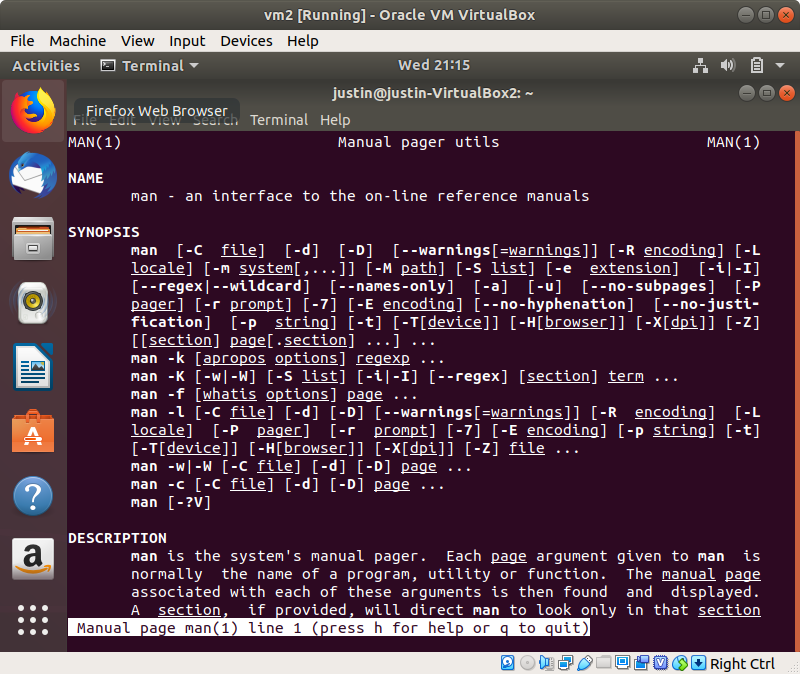
aa. chmod - change the permissions of a file

bb. chown - change the owner of a file

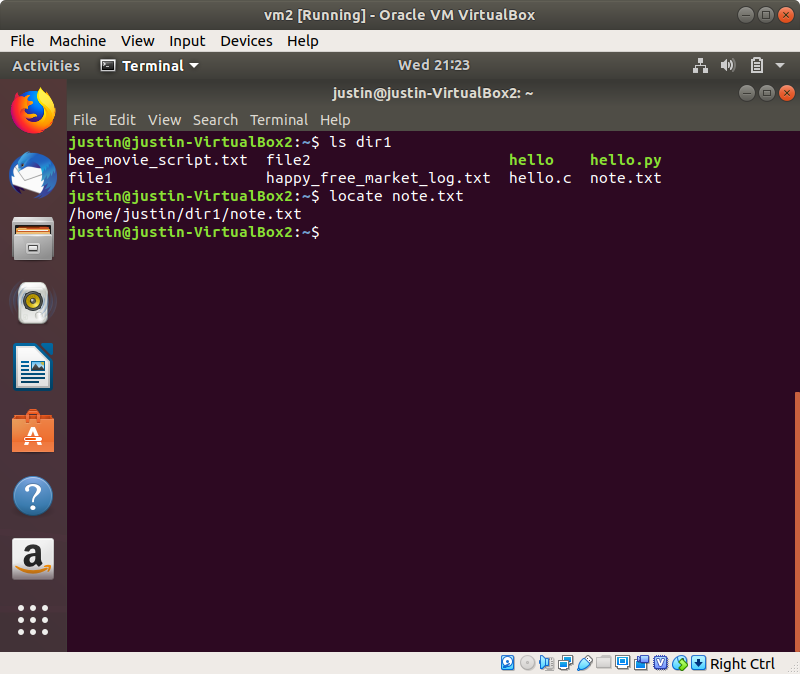
cc. useradd - add a user to the system



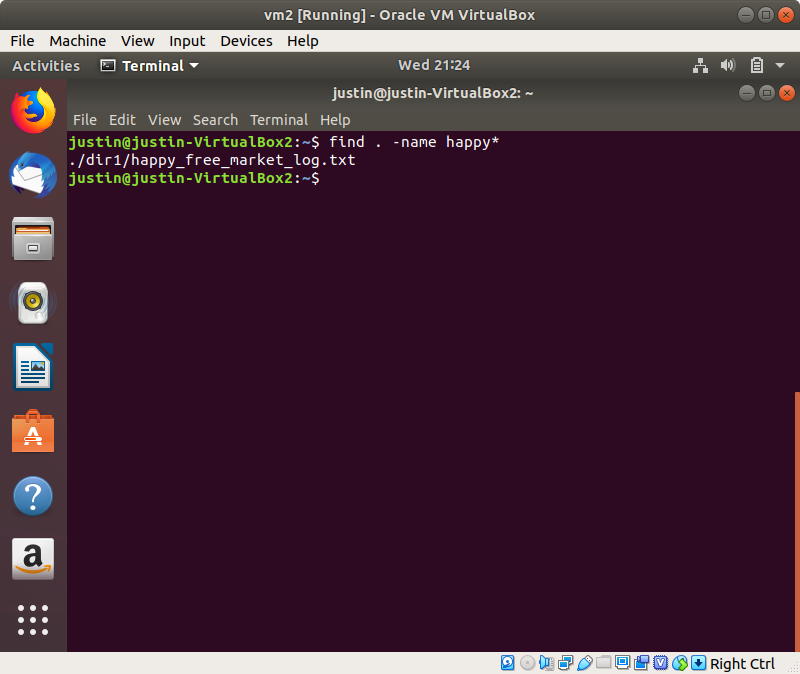
dd. man - show the manual of a command



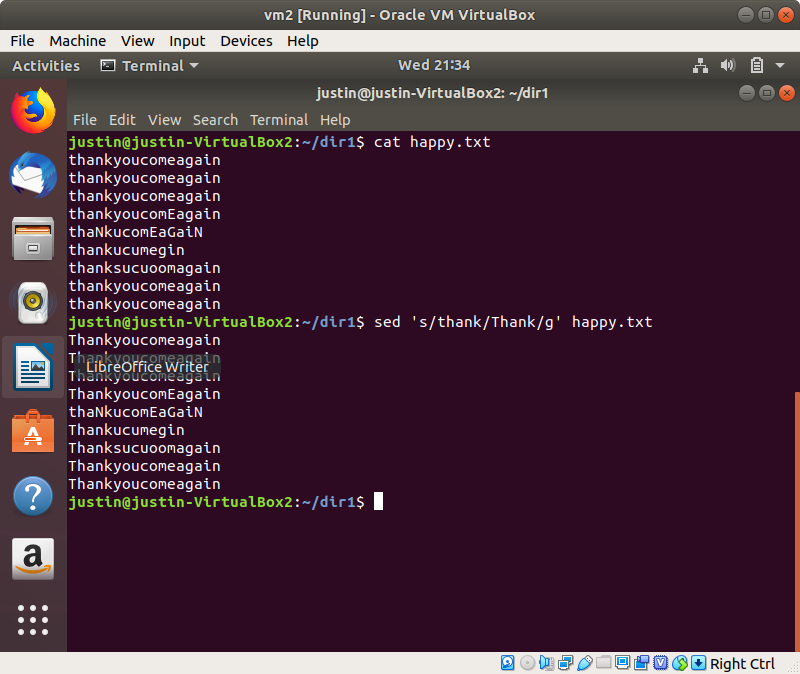
ee. locate - find a file by name, in the given directory



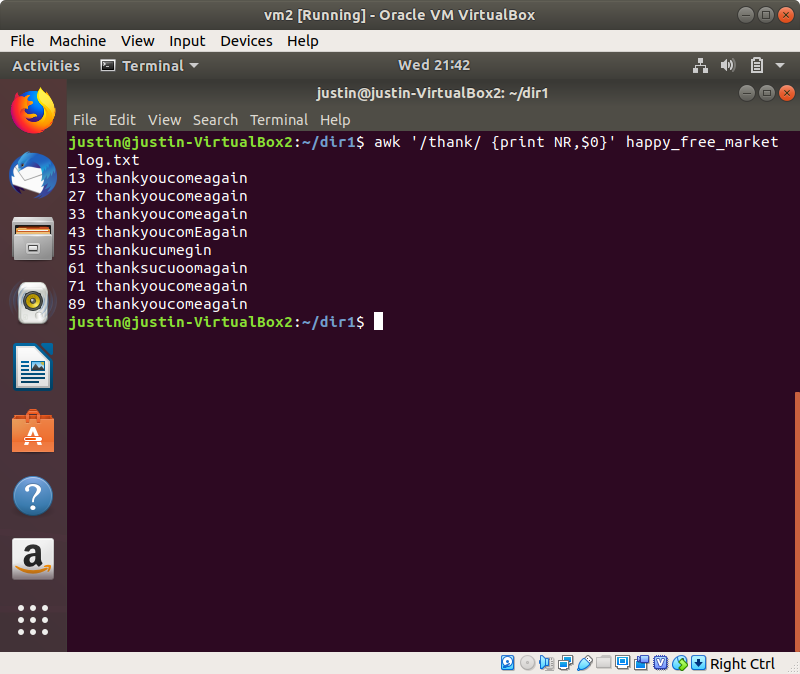
ff. find - find a file with the given filename, display all matches.



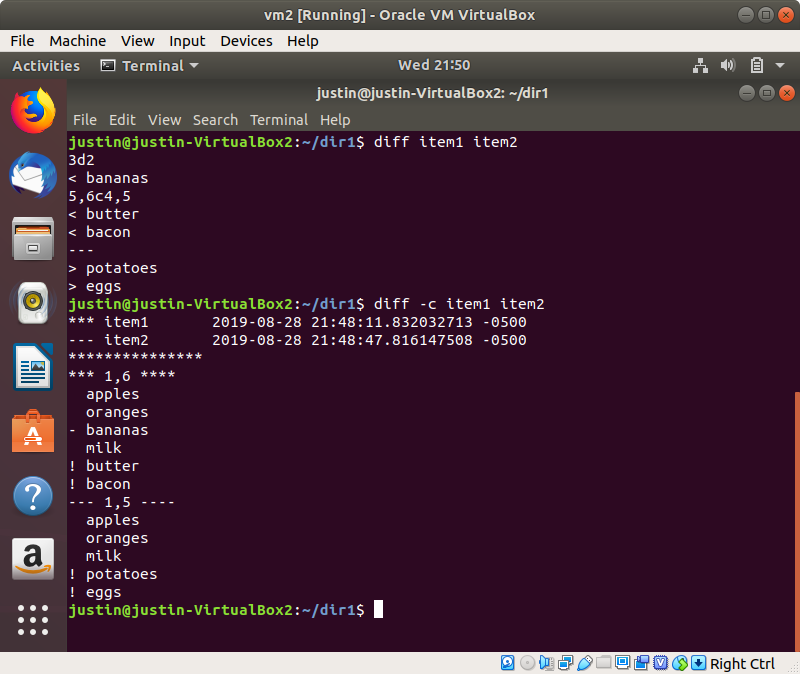
gg. sed - Match and replace text from a provided text stream



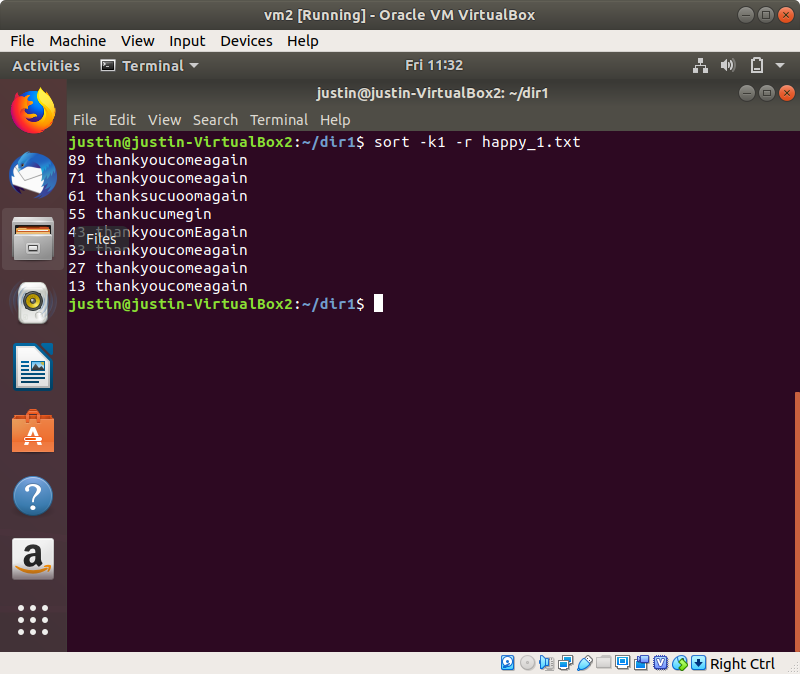
hh. awk - an interpreted programming language for text processing (matching, formatting, etc)



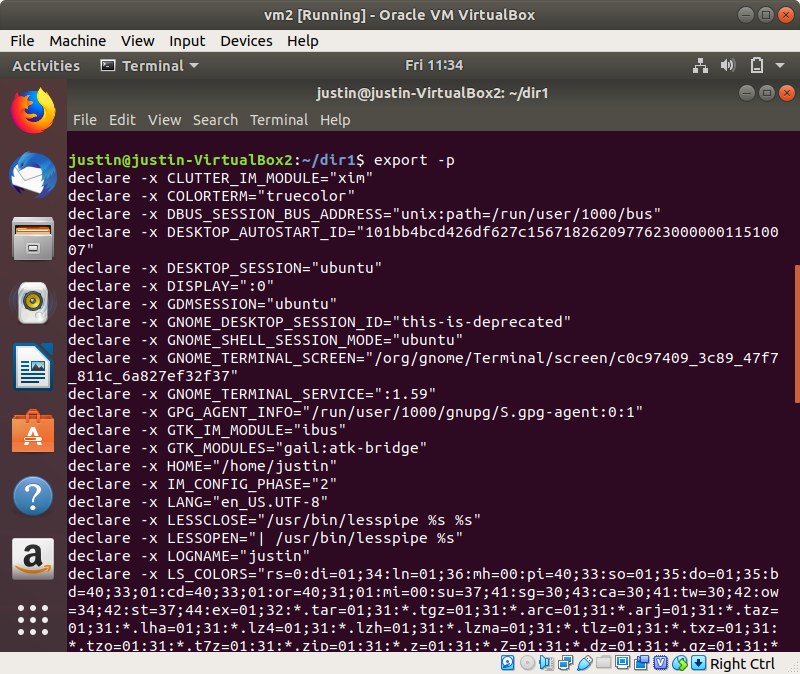
ii. diff - compare two files, line by line, and display the differences



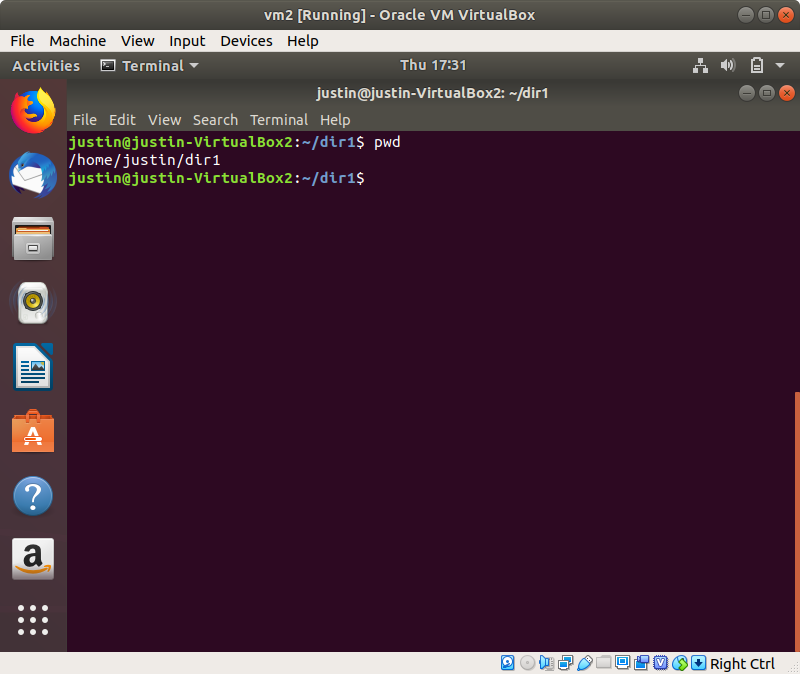
jj. sort - sort the file by line (alphabetically/numerically)



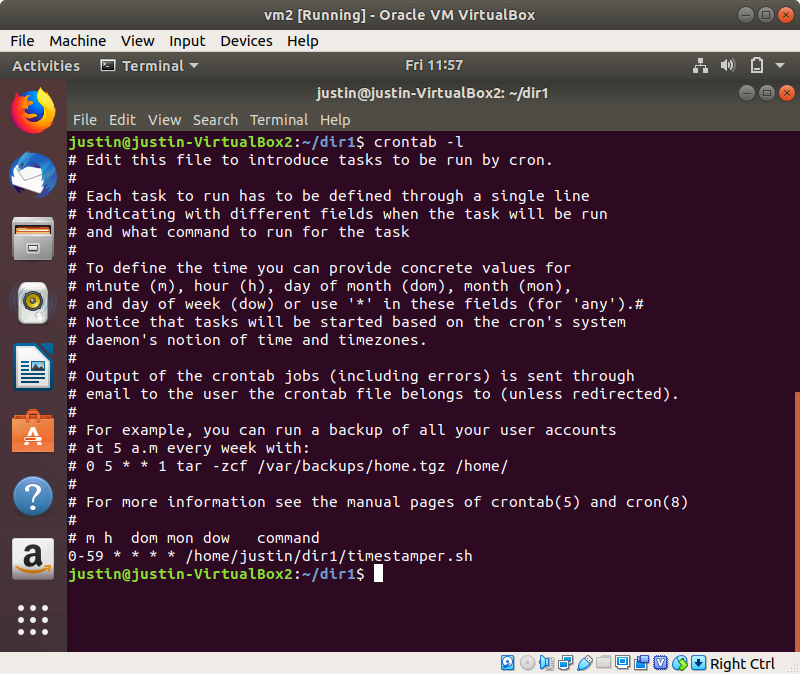
kk. export - Show all bash environment variables

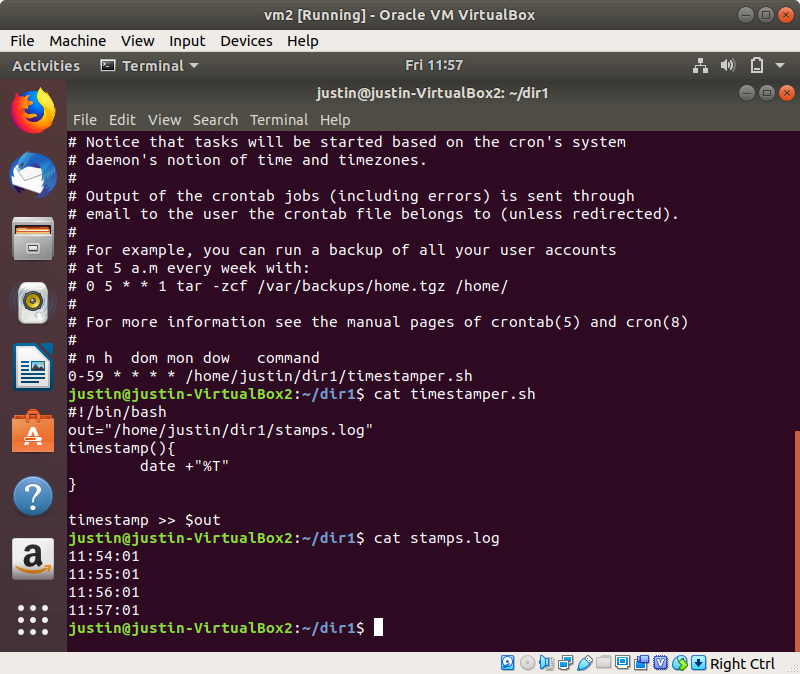


ll. pwd - print current working directory path



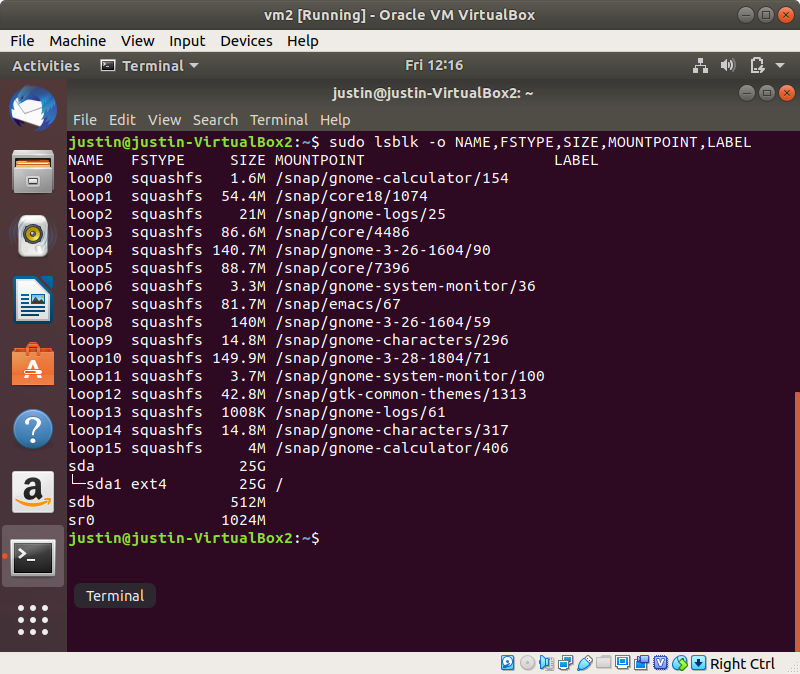
mm. crontab - schedule tasks to the cron daemon to run periodically.



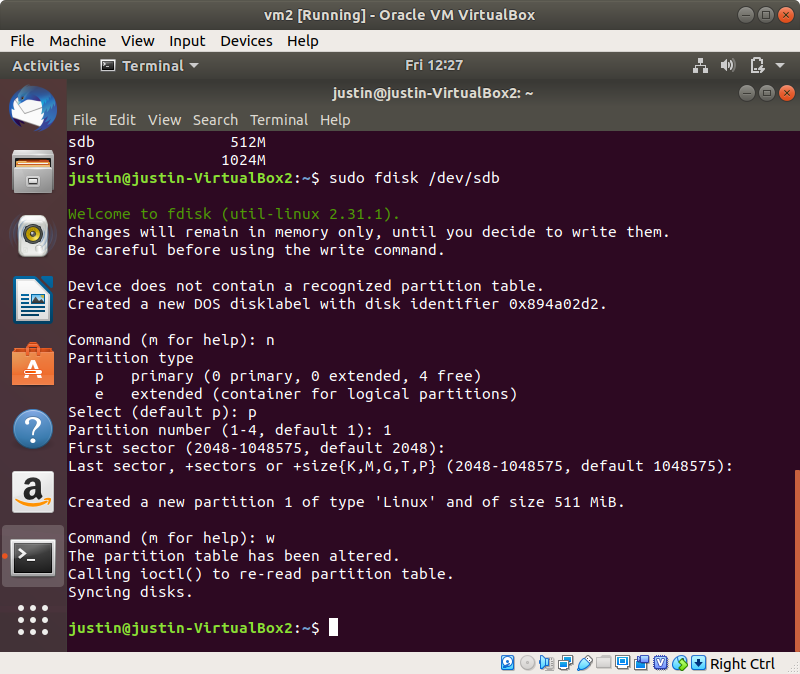


nn1. Create a disk in VirtualBox

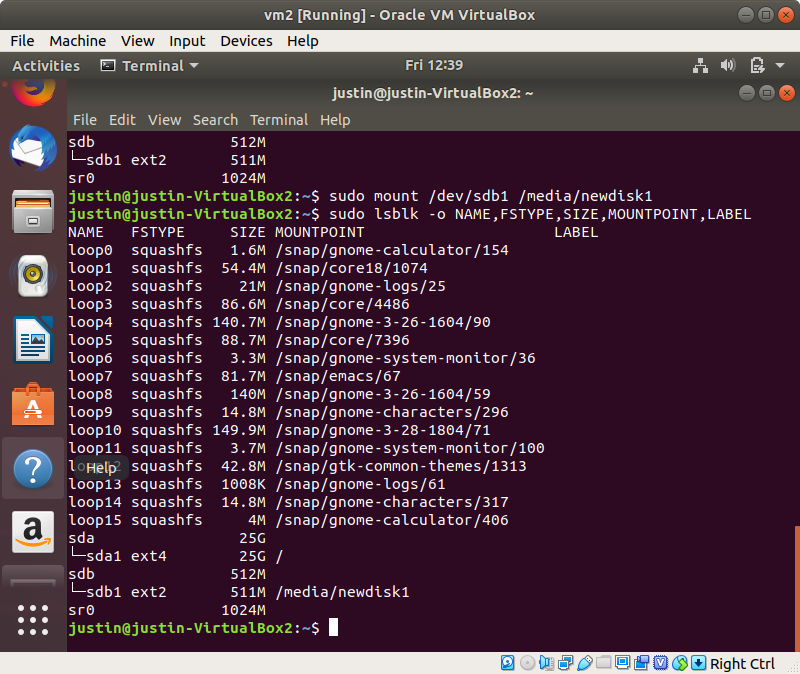


nn2. List the available devices with lsblk

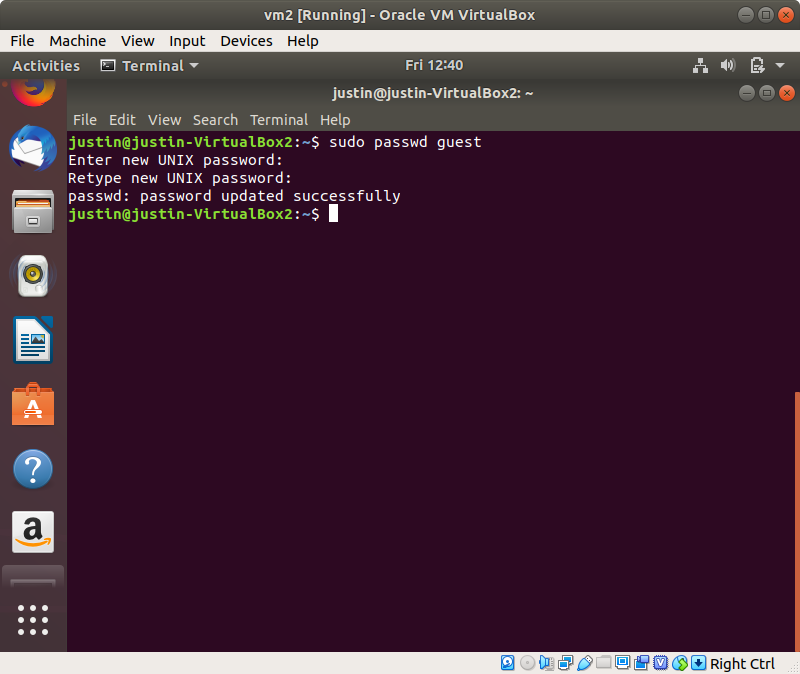
nn3. Create a new partition with fdisk



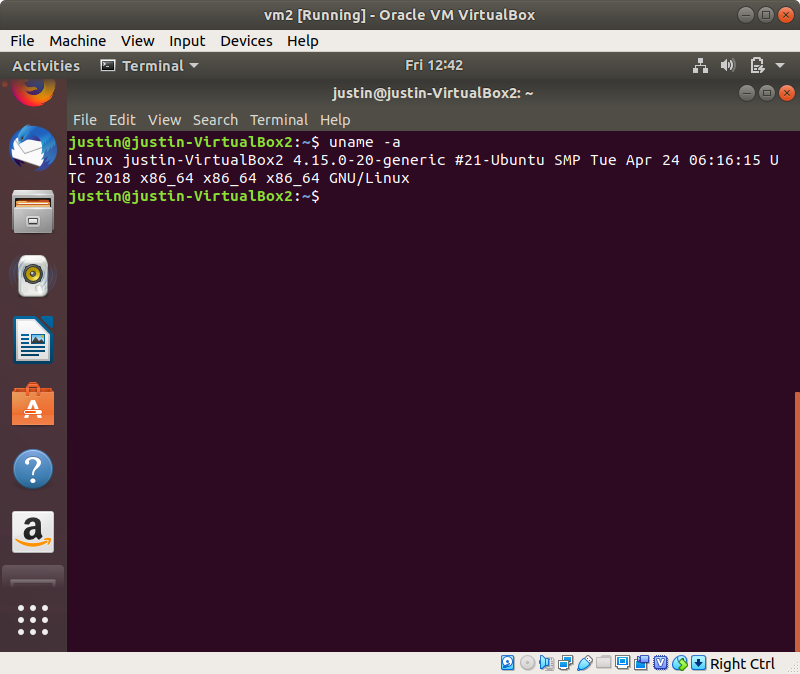
nn4. Mount the partition to the filesystem



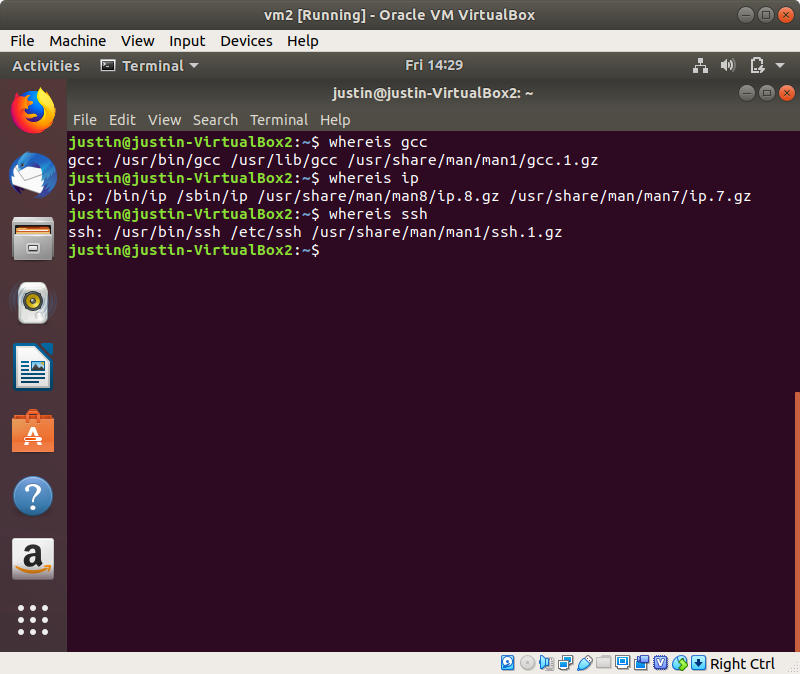
oo. passwd - change the password for a user



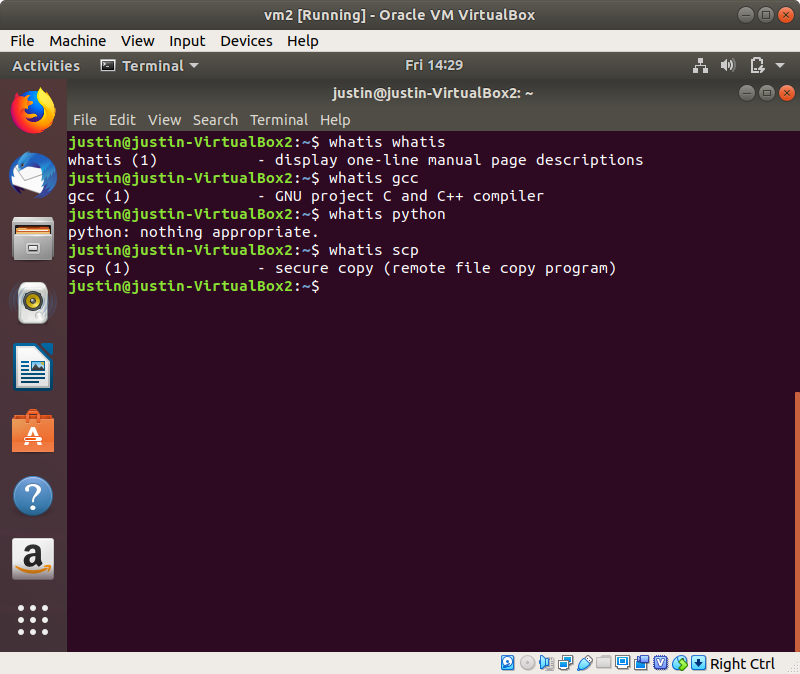
pp. uname - display system information of the current machine



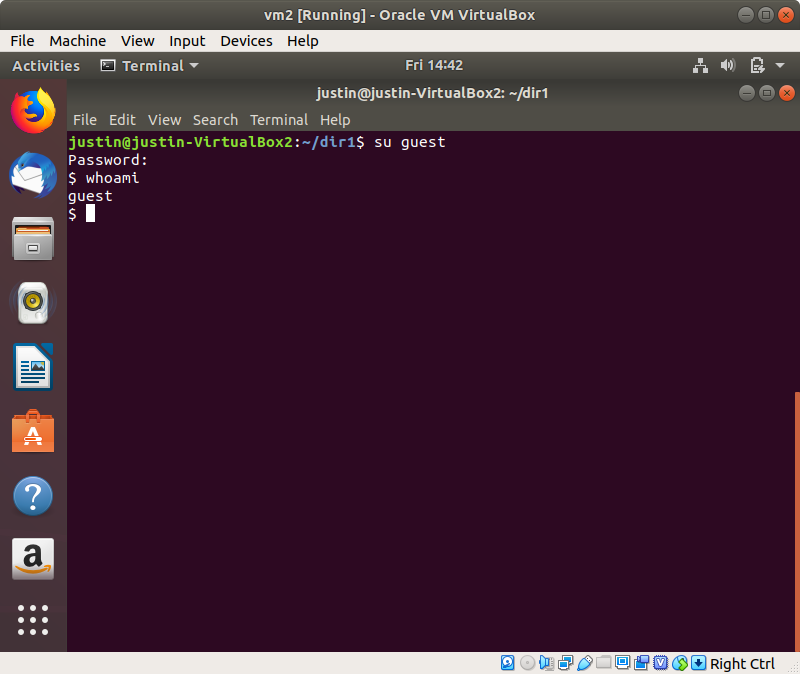
qq. whereis - Show the path of the executable of the given command



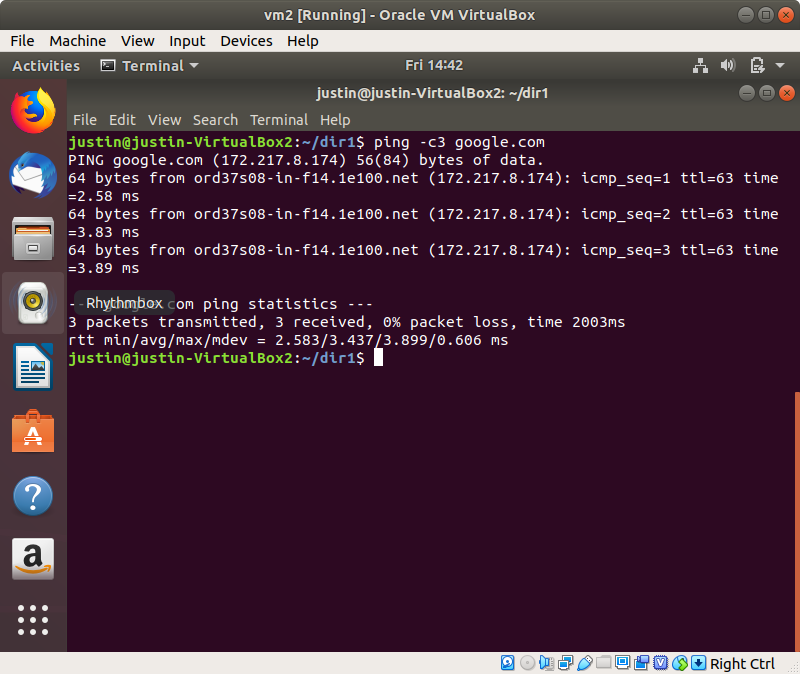
rr. whatis - Short description of the given command



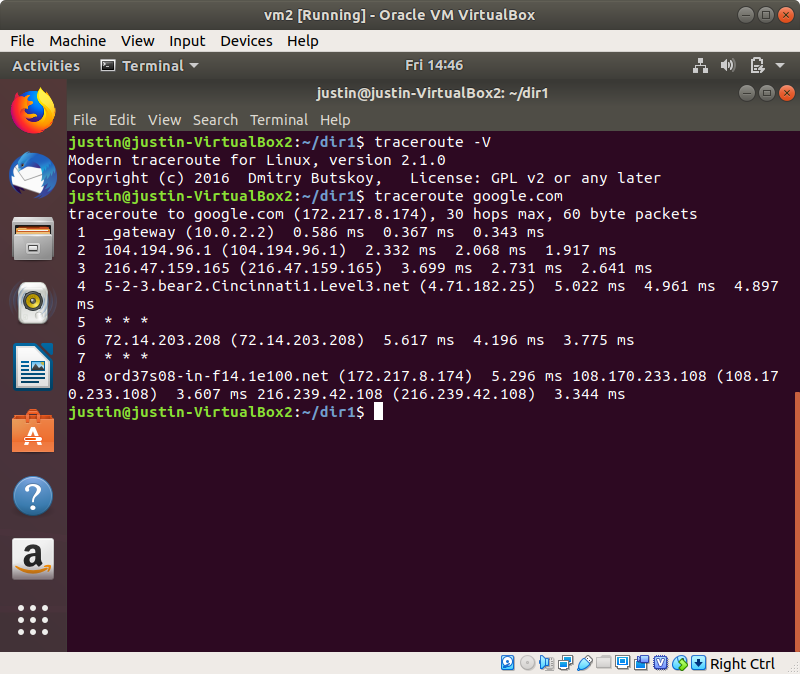
ss. su - Change the current user to another user in the system



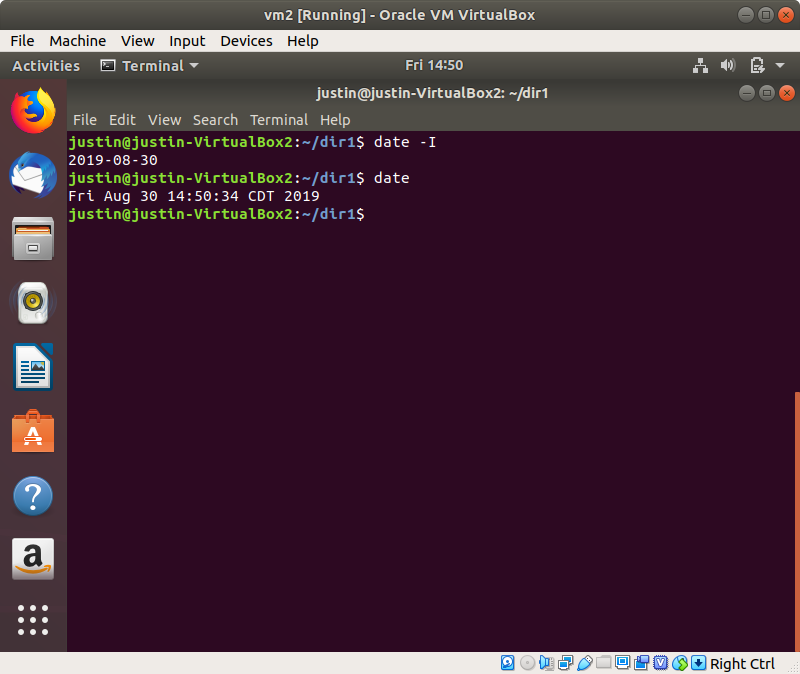
tt. ping - Ping a remote host, and show latency statistics



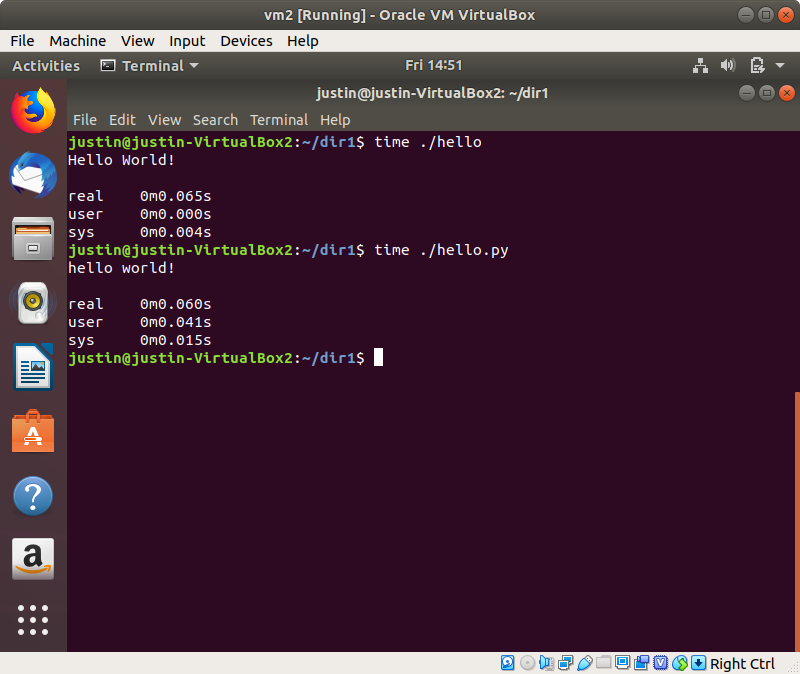
uu. traceroute - trace the routing of the sent packets



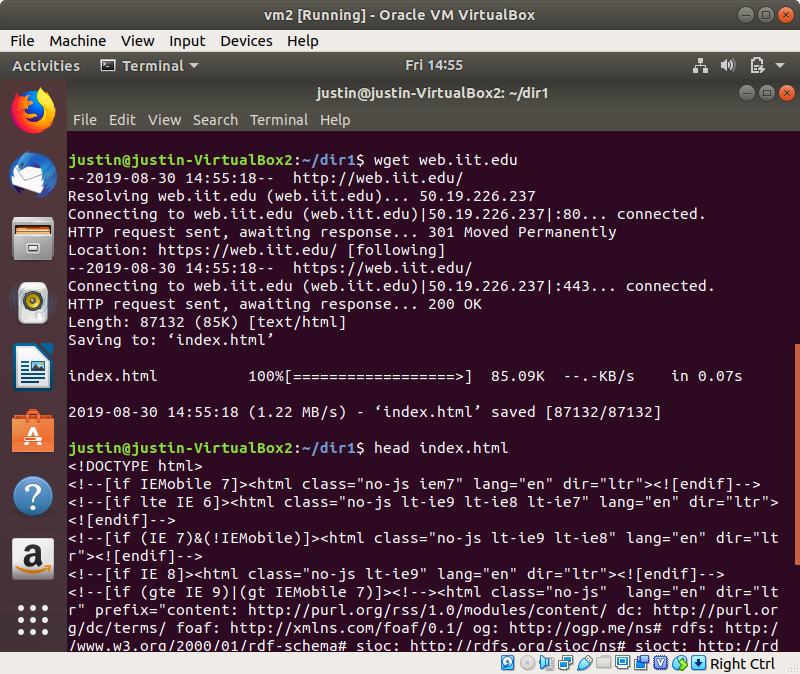
vv. date - display the current date and time of the system



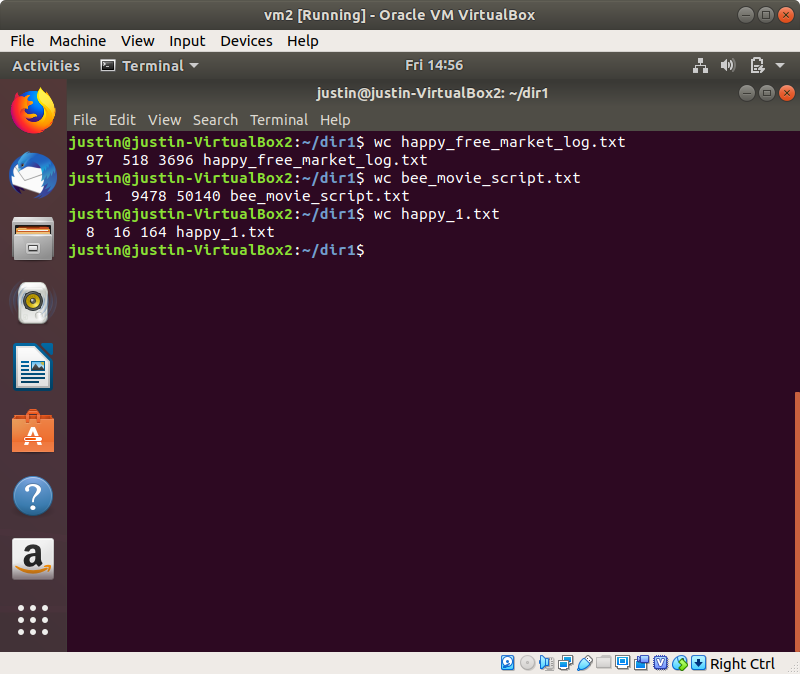
ww. time - show the execution time of a program (Real - start to finish, user - user-mode time, sys - kernel-mode time)



xx. wget - download a file using standard communication protocols (http, https, ftp)



yy. wc - word count, counts the number of newlines, words, and bytes in a file



zz. pwgen - generate pronounceable passwords