Cheatography

find Cheat Sheet

by Arest (arest) via cheatography.com/7517/cs/38712/

Basic commands

How to find files containing a specific word in its name?	find /etc -name "*mail*"
How to find all the files greater than certain size?	find / -type f -size +100M
How to find files that are not modified in the last x number of days?	find . -mtime +60
How to find files that are modified in the last x number of days?	find . –mtime -2
How to delete all the archive files with extension *.tar.gz and greater than 100MB?	find / -type f -name *.tar.gz -size +100M -exec ls -l {} \;
	find / -type f -name *.tar.gz -size +100M -exec rm -f {} \;
How to archive all the files that are not modified in the last x number of days?	find /home/jsmith -type f -mtime +60 | xargs tar -cvf /tmp/`date '+%d%m %Y' -_ar chi ve.tar`
Find files larger than 10MB in the current directory downwards…	find . -size +10000000c -ls
Find files larger than 100MB…	find . -size +100000000c -ls
Find files last modified over 30days ago…	find . -type f -mtime 30 -ls
Find files last modified over 365days ago…	find . -type f -mtime 365 -ls

Search by date/time

How to find files that are not modified in the last x number of days?	find . -mtime +60
How to find files that are modified in the last x number of days?	find . –mtime -2
How to archive all the files that are not modified in the last x number of days?	find /home/jsmith -type f -mtime +60 | xargs tar -cvf /tmp/`date '+%d%m %Y' -_ar chi ve.tar`
Find files last modified over 30days ago…	find . -type f -mtime 30 -ls
Find files last accessed over 30days ago…	find . -type f -atime 30 -ls
If the file is being updated at the current time then we can use find to find files modified in the last day…	find . -type f -mtime -1 -ls
#Find files whose content got updated within last 1 hour	find . -mmin -60
finds all the files (under root file system /) that got updated within the last 24 hours (1 day).	find / -mtime -1
Find files which got accessed before 1 hour	find -amin -60
Find files which got changed exactly before 1 hour	find . -cmin -60

Find by size

Find files bigger than the given size	find / -type f -size +100M
Find files larger than 10MB in the current directory downwards…	find . -type f -size +10M -ls



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Find by size (cont)

, in order, the largest sub-directories (units are in Kb)…	du -sk * | sort -n
How to find all the files greater than certain size?	find / -type f -size +100M
Find files smaller than the given size	find / -type f -size -100M
Find files that matches the exact given size	find / -type f -size 100M
How to delete all the archive files with extension *.tar.gz and greater than 100MB?	find / -type f -name *.tar.gz -size +100M -exec ls -l {} \;
	find / -type f -name *.tar.gz -size +100M -exec rm -f {} \;
The following command will display the top 5 largest file in the current directory and its subdirectory. This may take a while to execute depending on the total number of files the command has to process.	find . -type f -exec ls -s {} \; | sort -n -r | head -5
Technique is same as finding the bigger files, but the only difference the sort is ascending order.	find . -type f -exec ls -s {} \; | sort -n | head -5
List the smaller files other than the ZERO byte files.	find . -not -empty -type f -exec ls -s {} \; | sort -n | head -5

Find by permissions



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