

AWK One Liners



Command	Description
awk '{print FNR "\t" \$0}' filename	Print line numbers using a tab instead of a space
awk '{ print \$NF }' filename	Print the last field of each line of the file
awk 'END{print NR}' filename	Count the lines in a file. Just like "wc -l".
awk '/Apache/{n++;} END {print n+0}' filename	Total the number of lines that contain the name Apache
awk '{ sum += \$6 } END { print sum }' filename	Add up the numbers of 6th field, print the total
awk '\$4 ~ /^[0-9]/ { print \$3 }' filename	If the 3rd field starts with a number, print that field
awk '{sub(/[\t]+\$/, "");print}' filename	Delete the trailing whitespace from end of each line
awk '{gsub(/^[\t]+ [\t]+\$/, "");print}' filename	Delete leading and trailing whitespace from each line
awk -F: '{print \$1 " " \$2}' filename	Print the first 2 fields with a space between the output
awk '{tmp = \$1; \$1 = \$2; \$2 = tmp; print}' filename	Swap the first 2 fields
awk 'NR <= 5' filename	Print the first 5 lines of a file
awk 'END{print}' filename	Print the last line of a file
awk '{ \$1 = ""; print }' filename	Remove the second field in each line and then print it
awk '{sub(/^[\t]+/, " ");print}' filename	Insert 6 blank spaces at beginning of each line
awk '{sub(/^[\t]+/, ""); print}' filename	Delete the leading whitespace (spaces or tabs) from front
Regular Expressions	
awk '/regex/' filename	Print the lines matching the regular expression
awk '!/regex/' filename	Print the lines that don't match the regular expression
awk '/regex/{print x};{x=\$0}' filename	Print the line before the regular expression match
awk '/regex/{getline; print}' filename	Print the line after the regular expression match
awk '/Dog/,/Cat/' filename	Print lines between the matches starting one and ending
awk '!/pet/{gsub(/dog/, "cat");}{print}' filename	Substitute "dog" with "cat" on lines that don't contain word "pet"
awk 'length < 50' filename	Print the lines less than 50 characters
awk 'NR==20,NR==30' filename	Print the lines 20 through 30
awk 'NR==50 {print;exit}' filename	Print the line 50
Substitution	
awk '{gsub(/dog cat bird/, "pet");print}' filename	Find/replace dog,cat or bird with pet and print
awk '{gsub("dog", "cat", \$0); print > FILENAME}' *.txt	Find/replace dog with cat in every file with extension txt
Counting	
awk '/virtual/{n++;} END {print n+0}' filename	Print the total number of lines that have the name virtual
ps aux awk '/program_name/ && !/awk/ {print \$2}' > kill	Find a program by name from process listing that is not awk and kill it
awk '{print \$7}' logfile sort uniq -c sort -rn grep "\.jpg" head	Use awk to pull the seventh field of each line of the logfile. Sort the fields then find the unique fields and count them, do a reverse sort on numeric count,filter out anything but JPEG files and only give me the top 10 of that list. unique hostnames or urls from a logfile
Numbering	
awk '{print FNR "\t" \$0}' files*	Precede each line with number for the line