Count the number of hits in a Apache/Nginx

ips = {}

fh = open(“/var/log/nginx/access.log”, “r”).readlines()

for line in fh:

ip=line.split(“ “)[0]

if 6<len(ip)<=15:

ips[ip]=ips.get(ip, 0) + 1;

print ips

GENERAL SCRIPT TO GET DETAILS FROM LOG FILE

ips={}  
  
  
fh=open("/Users/navjotsingh/Desktop/Log test.rtf","r").readlines()  
for line in fh:  
   ip=line.split(" ")[0]  
   url=" ".join(line.split(" ")[5:8])  
   code="".join(line.split(" ")[8:9])  
   print " IP Address is : %s" %(ip)   
   print " URL value is : %s" % (url)  
   print " Status code value : %s" % (code)

FROM WEB

import fileinput

import re

import os

try: import simplejson as json

except ImportError: import json

#read input file and return entries' Dict Object

def readfile(file):

filecontent = {}

index = 0

#check necessary file size checking

statinfo = os.stat(file)

#just a guestimate. I believe a single entry contains atleast 150 chars

if statinfo.st\_size < 150:

print "Not a valid access\_log file. It does not have enough data"

else:

for line in fileinput.input(file):

index = index+1

if line != "\n": #don't read newlines

filecontent[index] = line2dict(line)

fileinput.close()

return filecontent

#gets a line of string from Log and convert it into Dict Object

def line2dict(line):

#Snippet, thanks to http://www.seehuhn.de/blog/52

parts = [

r'(?P<HOST>\S+)', # host %h

r'(?P<IDENTITY>\S+)', # indent %l (unused)

r'(?P<USER>\S+)', # user %u

r'\[(?P<TIME>.+)\]', # time %t

r'"(?P<REQUEST>.+)"', # request "%r"

r'(?P<STATUS>[0-9]+)', # status %>s

r'(?P<SIZE>\S+)', # size %b (careful, can be '-')

r'"(?P<REFERER>.\*)"', # referer "%{Referer}i"

r'"(?P<USERAGENT>.\*)"', # user agent "%{User-agent}i"

]

pattern = re.compile(r'\s+'.join(parts)+r'\s\*\Z')

m = pattern.match(line)

res = m.groupdict()

return res

#to get jSon of entire Log

#returns JSON object

def toJson(file):

#get dict object for each entry

entries = readfile(file)

return json.JSONEncoder().encode(entries)

print toJson("access.log")

My Parser

try: import simplejson as json

except ImportError: import json

listOfDict =[]

fh = open("access.log", "r").readlines()

for line in fh:

ips = {}

ips['host'] = line.split(" ")[0]

ips['identity'] = line.split(" ")[1]

ips['user'] = line.split(" ")[2]

ips['time'] = " ".join(line.split(" ")[3:5])

ips['request'] = " ".join(" ".join(line.split(" ")[5:8]).split("\""))

ips['status'] = line.split(" ")[8]

ips['size'] = "".join(line.split(" ")[9].split("\n"))

listOfDict.append(ips)

print "list of Dictionary Objects: "

print listOfDict

print "JSON Output: "

print json.JSONEncoder().encode(listOfDict)

with open('data.json', 'w') as outfile:

json.dump(listOfDict, outfile)