

Analyzing large log files

PRATIK SHIRISH KULKARNI

PRASAD GIRISH CHITNIS

Synopsis:

The goal of this project is to provide you with practice solving a problem involving very Large data files. In this problem, we deal with 3 log files and the task is to find the top 15 occurring IP addresses with the list of account names that were accessed from that IP address. We are using MapReduce to tackle this problem. MapReduce is a programming model used for processing and generating large data sets with a parallel, distributed algorithm on a Cluster. In this technique, we have two different functions called Mapper and Reducer. Mapper takes input in any given format or type and generates a (key, value) pair. Mapper emits this pair for each input it receives. These intermediate emits are passed through Shuffle and Sort process which emits (key, list) pairs where the all the values that are mapped to the same key are grouped together to give a list. These (key, list) pairs are now passed to Reducer which will produce the result in the same (key, list) format. This result is then passed through sorting and aggregating functions to get the final result.

Techniques Considered:

The problem stated for this project asks us to find top 15 IP addresses and accounts accessed from those IP addresses from given log files. During this semester, we learned various techniques to analyze a large amount of data and find results of our interest. These methods include classification, clustering, text mining, MapReduce, etc. We ruled out classification techniques as the classification is supervised learning and we don't have any prior information about the classes (or in this case the top 15 IP addresses). Clustering may be one of the approaches to solving this problem as it's unsupervised nature fits first part of the problem and we can get top 15 IP addresses. But as we also need to get the list of accounts that are accessed from those URLs we would need to traverse through the data again to find accounts accessed by top 15 IP addresses given by clustering. This will cause processing overhead. MapReduce (MR) works by distributing the work over a number of computers or nodes. As the stated problem has 2 parts :- first being Finding the top 15 IP addresses from the log files and second being getting the accounts accessed from that IP addresses we believe that MapReduce would be a good fit for the problem as we will have the freedom to design the flow of our program by using the Mappers and Reducer functions. So for the specific problem we use the Mapper to get the (key, value) pairs from the log files which are then used by the Reducer functions which can remove duplicates and get us final list of accounts that were accessed by a particular IP address.

Data preparation:

The data given for this project consist of three large log files with entries that indicate which accounts were accessed from various IP addresses. The log entries are structured in a fashion that it specifies IP address, date and time when the event occurred (accessing the account or writing the log), type of request used, absolute path of the file accessed, the protocol used and user agent (browser information), etc. All these parts are separated using some delimiters. As only IP address and account accessed are relevant to us for this project we made use of the delimiters to extract those parts from

entry. After careful analysis, we found that users have accessed various types of accounts, some of which are not relevant for this project (as stated in PDF describing the project). All the relevant entries have account names preceded by "GET /~". Hence we decided to process only those entries that have "GET /~" string in them and used the same string to identify the account accessed. Also, all the lines start with an IP address, and they are followed by one or two hyphens. Hence we used hyphens to split the line and selected the first part as IP address. Once the required information was extracted, we wrote it to a file that we can provide to MapReduce class

MapReduce Approaches:

Single Mapper and Reducer:

In this approach as the name suggested we used only one Mapper and Reducer to process the data. So in this approach, we would supply the Mapper with log files one after another which would then perform the required computation to emit multiple (k,v) pairs. These intermediate emits are passed through Shuffle and Sort process which emits (key, list) pairs where all the values that are mapped to the same key are grouped together to give a list. These (key, list) pairs are now passed to Reducer which removes all the duplicate entries from the list and then it will produce the result in the same (key, list) format. After this step, we would then perform Postprocessing which would then help us find the top 15 IP's from the log files. While this approach did solve our problem we believe that the solution is not realistic as in real life scenario, we might have large amounts of data and process them over a single Mapper and Reducer would take too much time and processing power.

Multiple Mappers and Reducers:

In this approach, the first step is to take input the path to the folder where the files are stored. Then depending on the number of files we have worker nodes are created, and each one of them is assigned a file. After assigning the files to the worker node, the first step is to send the data to the Mapper. After the data is received at the Mapper, the Mapper then traverses through the String, extracts valuable information and then emits the (k,v) pairs which are then converted into (k, list) pairs after the shuffle and sort process. The next step includes passing the list to the Reducer whereafter the processing we end up with a list of (k, list) pairs. In this (k, list) pairs the list consists of unique account names which were accessed from the IP address (key). After this step, the (k, list) pairs are then stored on another file intermediateResult. This file is then passed to a new worker node which then sorts the list of (k, list) pairs by the number of elements in the list and then returns the top 15 IP addresses.

Multiple Mappers and Reducers with String:

This approach is similar to the one on top the only difference here being that the worker nodes are passed Strings in this case instead of complete files. The main disadvantage of this approach being that at times the size of the files may well exceed the size which a String can store in itself causing loss of data.

So after reviewing all of our approaches we decided that Multiple Mappers and Reducers was the best solution as it would take the least processing time and is flexible to the number of files that we may need to process. Moreover, after further research, we realized that we could perform some preprocessing so as to reduce the workload on the Mappers. So in Preprocessing we are reading the log files line by line and then we are eliminating the unnecessary information like date and time when the

account was accessed, a file which was accessed, etc. So after the Preprocessing we end up with the Key – Value pairs separated by “:” in the file(e.g., [22.22.112.32](#): PGC).

Algorithm:

1. In the first step, we perform preprocessing on the 3 log files that we have. In this, we try to eliminate all the irrelevant information from the entries in the log files. This is done as explained in Data processing section. After this step, we get three processed files stored in a directory named “processedFiles”. The processed files will have all the relevant entries with IP address and account accessed by that address separated by a “:” symbol.
2. After this step, we create as many numbers of MapReduce instances as some files and assign each processed file to an instance. The instance, in turn, passes the data to their respective Mapper function. Then Mapper function parse through the data and emit the (key, value) pairs. Here the key is the IP address and value is the account name that it gets by splitting the line on “:”.
3. The emit_intermediate method from MapReduce performs the task of Shuffle and Sort process. As we are using a TreeMap as an internal data structure, it becomes easy to combine all the values for a specific key.
4. Then this list is received by the Reducer which parses through the list from the (key, list) pairs and remove any duplicate elements from the list. While doing this, it adds all the unique account names in a string which the reducer emits.
5. These final strings are obtained from the result of all the reducers and are written to a new file named as intermediateResult. As we are using multiple Mappers and Reducers intermediateResult works as a Global File System and then this file is passed to a new worker node. The structure of intermediateResult is similar to that of files generated during pre-processing.
6. A new instance is created and assigned the intermediateResults file which will work in same fashion as other instances but will give us the final list of accounts accessed from each IP address.
7. After the above step, we perform Postprocessing on the data and sort the list in descending order on the number of items a key has in its list. As the files in processedFiles directory are not any longer required, we are deleting them once all processing is done.

Post processing:

After processing the data through series of MapReduce instances, we, get the final output in a TreeMap which holds all the IP addresses and accounts accessed by them. As we need only top 15 IP addresses, we, need first to sort the result based on a number of accounts accessed from that IP address. We have

used a Comparator class named LogComparator for sorting the result. For sorting the TreeMap, we took all the entries of the TreeMap in an ArrayList. We then passed this ArrayList and our Comparator to the sort method of Collections (a utility class of Java) to sort the ArrayList. The Comparator has a compare method which is used to compare any two entries under consideration. If the output of the compare method is a positive integer, then first entry is larger than second entry. If the output of compare is a negative integer, the second entry is larger than first. As we are comparing two entries based on a number of accounts accessed, we pass two Entry objects as arguments (which holds a string and corresponding LinkedList) to compare method and make it return the subtraction of lengths of the LinkedLists of those entries. This way we sort the ArrayList in ascending order. We can change the order in which subtraction is done to get the sorted list in descending order, but this will not give any performance gain as we would still have to sort entire ArrayList.

Future Scope:

Given the opportunity of implementing a similar type of problem in the future, we would implement a multithreaded solution so that we can process our data simultaneously on different threads. When compared with a single threaded solution this will provide some performance gain.

Output:

Instruction for running program:

1. Compile LogAnalyzer.java file

```
javac LogAnalyzer.java
```

2. Run the LogAnalyzer by providing filepath of folder which holds the log files.

```
java LogAnalyzer /usr/lib/pub/large_log_files
```

3. Path of output file will be displayed in command line. You can open that file using any text editor. This is done as output is large and can be confusing while viewing on command line.

Output:

#1 occurring address: 211.216.103.188

```
ncs,rpj,cs1,wxt2966,csdoc,fyj,wrc,cs2-grd,hpb,amt,cs3,std3246,ptt,cs2,cs1-grd,ats,rkr,cs3-  
grd,jpa8684,icss571,jrv,atk,cslab,icsg720,lac,icss263,kkm2002,eh,sjr1521,jdb,yxz9279,nyj4905,kaa,pga,d  
jh4350,pjn7364,sxn,paw,axt8828,afb,jbg7763,rsg,hae,vm,jxf7315,twc3796,msw4585,jmg,jsf7949,asv497  
1,tmh,spr,waw,341-  
grd,mmr,hxp8813,jeh,mjh1697,rwd,sls6076,kar,jaa,bdm,icss235,jfb7079,icss352,mai2721,cs4,icss341,wf  
m8778,icss456,mpv,rph5670,lea1292,mai3116,adm9740,beb1964,softeng,gar8595,rtb1145,kas3897,jar  
3817,sab1867,csx,ber8532,nxy5902,gxv0796,dbw4795,blf0582,icss351,icss361,dxh1031,dlr1225,jsr7584  
,kms7407,may,glg5760,knr8293,ath7325,bnr3839,dnh5577,pmj0460,csx-  
grd,cxz2509,mdh5324,tak9830,pcontest,paj9563,kjr8111,irr1449,cxt3276,pxv3951,jal0193,tdp4357,jwe  
5789,pdd6808,lcd3279,rce9873,cxk2598,brs1429,ers3268,aam4510,sjb6353,tvn6705,mrd1109,pbk6628
```

,rja1587,njs8030,jma8000,cmb5199,dws9263,jhl2141,wem8247,mrd8277,yyl8077,lcy0304,afr6941,bjm6162,jaw6099,ens9125,hxt0072,ghc9465,icss334,jdr3760,agw0079,yfz1745,cdx6230,jjz3641,ece2681,keb4779,rjl7002,tgk3856,nft4678,dem5302,jms2551,jca1234,jar6070,mhn5054,smp7886,csdept,ark,rac0595,jds6925,tjr,jah9814,nrl5157,pac5854,maa2454,mnc2986,jrp1636,smw5352,mws1470,ffg3183,eds2064,agp5411,dih0658,mam8624,yxh6600,rak8870,rhs7867,psm3971,wcr6041,txk0229,ixs4381,lxk6558,pdr8125,dfr2936,sfg2589,jrl8103,jcc9715,hhh3016,dst1011,bff3933,ksb5668,rlc,mxd4716,jxd0049,sxm4866,dnw0171,nxl3484,ses6442,hwl2309,ifc1592,jpc7937,sk0995,swh9110,tar2893,jas4237,jhr5854,rgp5682,esr4485,kdm8123,ark7289,cje3841,mtp6152,cxa9275,war8797,maz1136,anh3243,bcg1215,jam9171,mrc8531,mrh2075,sam3814,cxc3121,all1205,jmf5071,jpp7048,mwm8326,tpr0350,cfl1375,abc8518,rac1915,tas5509,aeb2731,ssa0821,jrm0182,tjl7666,tsm9041,ner9848,ajr5788,dmf2783,aec2039,drv3988,ofp8263,beb5913,dcc1977,bsc2607,cmr0348,sab1637,pcb1932,tlg7792,jag8153,tvo9075,emd2175,dac3892,adl8790,msk7188,gad6055,jkl3831,pxl8094,jba0125,bjs7527,ljm4003,nfh7354,rma4738,mpv9903,cjh9783,aej2574,mac4118,mpp8195,mxs9917,dfm4613,jcr2645,slg2241,rd6967,jmp2961,dr1980,jmw9845,fxs0344,tcs8379,tjw1881,jfc5838,jma8721,jbs7384,jrc0362,jmm1192,txr0310,kbn2060,mgn8400,aks9587,mjd6285,dan0337,mdp1758,nxp6875,atc5067,sai6189,dsc7420,ajm1072,kav3351,emd8928,wjf9385,adb6790,pso7025,jat5375,jam6764,cll4352,apw9673,mjs3814,lgp8996,jak5034,mpm7481,wxa1644,mal2440,dak2255,arr1681,rml1343,jsr3204,ach7352,bms6921,dxy6794,yxl7594,srg8317,rds4018,sjy1244,yxh6894,cxl7616,sxg7909,dmm0482,cmh9427,jwf1101,mrs4108,khk8873,dci1910,dmi0772,smb8759,jmj2413,bss7325,gdg1956,cxs0778,zmm1087,bbk8348,ajd0690,led0041,wjb1253,dmt0002,dbd9785,jrk3666,mam8484,mkw0550,bsg3433,kse9532,rcs0940,cxm1147,jld0484,aep1966,sjo0940,jln7449,sds6656,jah4926,jkp3250,iar6219,cjr2885,ajk3594,rmw7783,rzf2382,ncw5953,cxp7449,dpm7203,jmf6689,mek6721,asm6855,sbs1947,prm2951,mxh0011,mjk7909,bes1251,dlb7689,rro0366,mpr9284,vxk2549,bja4700,bah0069,ask9157,hxz9703,ajb0329,jpb8058,jjm7570,mxo5559,bkj0604,kcs1932,jrb3608,nmm1099,jwf0207,mdw4361,dph1174,ash0151,tjm5347,dsm5856,djr7581,jrk5050,apl0823,rfm4792,scx5568,djh6367,mjv5268,kgs2652,slm5989,sxj7122,smd6304,lam3434,msr2483,tfs8152,cxl7607,mej8766,ndm5017,pjl6624,dxm8021,wjp5442,dpk0854,tmw0786,kmw0567,dxo3485,rgr8261,agg1259,awe9531,dvc3336,mgg4494,jam1758,tad4649,dbl3791,ajk8714,jam4981,jls5634,ura1096,pkn1587,ams6686,rlr5874,bpp7700,ixo7295,dag3259,spj4251,arl2562,kav1180,mjw5708,ats3085,amw8338,ajz0465,sag1552,ajm3144,axj7140,mcr5149,ljb6563,kcb6278,cww5940,apr6775,amm1864,sxl1235,nrg1142,pxm5860,sth0719,jbs3722,rxk4983,lbl6598,exc5972,ajo0548,mrt6315,bjt0654,djt1765,jzs9783,mws2969,nxs8185,cbe9582,jrl1209,acm0810,ewr6582,aph7562,brg0853,stab0565,bsh8976,aee3816,mdd9409,cpb2511,pvf6609,axs0148,jmb8755,tmn3144,jej4130,mdf9907,rlc5227,djm2370,asc6380,avg1977,aar4623,txo8933,exl9109,jdh8946,jxp6713,cxa0702,pgk7025,wes1735,cxc3158,adr7826,mbc3675,jaa4323,ssa9529,mcw4909,kjj5745,rds2653,rcb0622,jmj0373,gik2044,dmm5208,sml9350,ass0373,thl5901,sja5146,cxp9009,str8887,jww4304,pjw9720,svm4777,yxl1461,mwm8006,byl1828,jmm1885,was7560,wxy1291,jfz5661,bmh3937,shk8974,jrd6974,ram8009,jdr7376,bld7273,mkw1714,msd6123,msw6017,rmb2682,scl7094,rtc0400,cas8092,cd15441,dab9721,kdh7931,cxc8926,bas6542,cxe0639,rm0616,drh3352,emt2435,cxl7279,ejh0503,jmk2573,mjs9080,jaj3213,kmv9165,mjd9351,oam5145,eab3572,shd0326,seh2117,jrv4064,pmw4328,jjm5748,mjm3062,smb8062,ajd5295,pss2417,scs5637,mxc2967,jeh5581,swm,ksb8327,cxm7408,mss9221,cxm1497,vyk5113,jxp2608,fpc1883,jmw8161,twm6716,twb8626,swz1316,jrs8685,kcr7135,cbx0025,ial8431,jfg3119,njs4614,sda6161,sab0343,fds4352,mtl4490,jat9360,nxk5767,glr7495,mvl2421,jms3453,pmc8184,mmm6350,mjr7469,trs7058,swt5482,wds0313,zly1308,jxp1724,dij4361,jtr0849,kge7490,ajo3809,bjd2207,bcb2708,leb4189,jmd8720,spy5035,cll9707,atm4339,jhb3827,jaa7104,jma9506,jwr0593,dxr3738,jxj5606,rp7781,amj4510,rog6556,mgb4668,kjn8626,djs9304,csd4312,jjv2550,mxr4326,eim7101,yxl2809,res

6571,bxs6404,jhk6964,afk8836,jdh3090,tjd6352,gtm4972,mcl8699,jaw9088,jkc9915,cad3658,jcl9307,gh
b1001,edh3168,ask1725,jat2166,mpn8095,wcc2987,mjh9979,cdc2771,pxs0030,bjh9235,axk2789,alg98
20,hlm0011,atg2335,bjr9531,kdh7962,bjt3697,ril2829,crm6425,rwm5894,axr4217,pac6393,mrh1825,ae
s2336,rxl7870,dal8623,bmb2063,tc9166,slx6484,sem7610,twm6643,wmg3051,dgs4466,amm4053,ken
6134,nwb9412,lad6018,cdm3791,grd8301,srb9954,bkm8836,mpl0907,gsp8334,eck2924,krm4686,sxn11
22,axr7927,bjc6310,lmb8845,mps6427,gdk1300,ttn6213,dwl2239,cxv6719,hfd9603,dvg8277,bgk3313,js
t3290,stk9297,jib9640,wck1910,nmg1829,mxl6896,jlb5055,jmt8734,cmc5608,smc1342,jim5870,adw630
2,axk4132,srb0036,kmm7169,cab9395,bpc5860,nch1255,lpr8870,cmj8459,khl0609,sak6988,mwc3627,c
rj6092,lwi3690,krm8741,icss232,wpf6749,fxl3374,cxp2822,slx5090,bcm6093,jdf3402,kds6767,esd8245,
nms6646,acp0238,cmr9845,dpg2099,jrc7976,rmp4664,cxp9817,jxs2305,tdw4374,scl9891,amb9845,rtk2
978,pmt6263,mek3361,bjd8112,cdg2433,rss5553,kfn2883,snk9934,mwm4201,mpb6705,tim9108,brs64
15,jwg9538,psn8138,cac8319,jnt1482,cxg1624,lws7636,jsl8286,jdw5278,ejk6825,sxt0706,jxy3580,sab33
17,djk9149,cef2163,cxf0517,jts0422,bpm9413,prd6375,mrt5416,rtm8476,jmb5267,smj1327,jxw5130,sa
p6210,mxh8303,sxa1919,mxm3254,rxr2990,dmh7224,eam8920,jbp3930,mxd9928,slx0436,src1504,axm
4991,axs0401,pjb6400,jcb1541,jdc9088,cxw2229,jxu8817,rjh3141,kha5670,cer4356,sjc4866,jcr0038,jwl
2319,pme2880,ljc0121,ewy1521,ajb1391,icss231,cdm0312,jrs6735,ams2449,bws0794,mkm0466,yhy68
41,msm1074,mda3251,icss221,mas9145,bdw5370,mjd6022,zcf1470,mmk8354,sam2195,whh5154,ewc2
599,slp2009,pmf4570,apm9733,nye1124,cma8660,csg3319,csg5684,mdl8158,smm4301,rrb5014,jgs328
0,pmd8870,bxc2495,mds6058,tan2056,alp0091,jsg1324,jem5451,mdm3513,jxd2255,pjv6136,dpl0806,g
dh8512,awh4992,djb2070,clw9939,jmp9746,bjc9019,dcr6918,frt0714,smt8716,rhk8830,prd9104,asb99
49,axn3732,cxa8815,mlb2536,mm5486,eka0998,sxj6976,acy7841,gkm3997,kas6073,jco9473,sls9925,d
xf5187,rt7079,ktl9989,wph7530,djd6828,anhinga,nlv1471,aae9439,spm3529,jmr1287,bwh9324,frb178
4,bll6037,wtm2326,eaw5103,mjs4379,mhr8093,rbm6563,sdl2927,mje6229,cko7622,kxb5919,xxg7898,b
oa8488,avm7370,rds3792,lbd7466,drp4138,gwj3667,idw0680,tis0633,bph8876,bjs0068,mgs4954,mkj71
62,jmc4295,dnn0182,etk1202,cgz3317,dab6189,rxl824,owk5175,cxb0906,dkk4399,imb8999,tjw0890,j
mt3447,jiv4926,jxg3776,cjs5459,pmv5693,tpv8500,cxa1949,axa6017,alc6276,als8770,dac6384,jjh3710,a
jh0995,des5122,krs1576,rsc7461,jrm2428,ntt5186,clh5014,stm1461,deg0873,jxk6924,jpm8097,zik8947,
tdb5818,dnd9403,mdg9542,jbg8713,dlg8894,ajr6671,icss233,dzz6876,mxw6550,fhd6554,djh6585,brs18
73,agp7723,mda2376,mja0336,jag8260,bjb5557,jsb1220,aaf6525,jxl8273,sfa5313,gxy1388,dpp3801,jdh
5469,jmh8525,jms0218,dck2226,sle2954,ajc2926,ndk4275,tmb3006,axs3497,ext3994,pxz3838,cdp3511,
meb0984,prs5445,bwl9817,jwm6981,tml7562,tml2825,djb7630,mxj1816,kjt8342,jmb2618,sbp8988,dvp
2326,jgr0346,rms2456,cas0921,spm4006,gxr3286,cxv1089,jpm7724,mjg1676,mas8820,rsh7902,amh814
5,txs3788,nes7983,rmm2948,pmm9287,dsm2431,jek5522,pfw8521,dcw7369,saj5020,trs9763,erc8572,
mjm9787,cxm3417,gfc7581,tjt3473,anm0944,ndn7322,vxv8403,pfk6942,nxg3751,caf6283,kaa3496,sng
5511,mxj2084,cmf5736,njd0382,jmm3077,brq1161,maa9228,omc4527,mcd5210,axk6526,mck5419,ajk9
893,rsc4493,mdb4562,mxm6574,bpf0658,dws7419,reb9947,rjr7401,jrk7389,jkg2154,mds0111,mtj5248,
kkg2775,bwg0858,pjb5577,taf8925,dlb4430,bum6876,dar4731,jas3900,ajg8850,dms5732,mrs6264,krh1
124,svd5439,sxa0604,pxc7761,nwm6357,mjl4772,nxs5608,pjg0606,mpw0220,mab0270,mja9444,djr157
2,lxe2883,jdl8219,slr8624,jjf0114,vxd4504,aeg6147,rks3877,dsd1407,txz0309,ksl7480,prm2412,rjs3356,
jrl9768,kas8587,cxl6084,pxc9821,smb2543,afw0359,wjl3679,kem9593,rck6844,dei1809,cxd5608,pcf215
9,mjs1445,jwg8832,jls6515,ege4864,arb8320,gah6035,jdb5575,srp9633,pmh7814,aao4436,slr2777,emk
3594,bmh8691,axm0882,jjr3455,sxg7108,bpw9015,ash9053,jxr6022,jda4552,xyg3744,eaf3095,ntm8059
,sja4756,ajq7237,cmw3741,jpk5521,sjg2490,lrm7820,pmm1626,jxs8185,mpd5171,rwt1008,bgt0823,bm
p4235,bec2192,jmp7064,dfm4737,rdw4659,gjb9156,njs9152,dgg4028,slv1481,mcg3481,ajn9108,mgp27

75,mlp3370,syp1865,rwt3740,skg2236,smb9848,mjv2816,kjw9644,djl2401,gca9147,axv6446,eer7286,cx
o6309,mrb6858,pr1313,vjf6412,jsk4445,eeh8894,jkg9634,fws5777,dab9353,exb6767,khw5093,aan073
6,rcb9104,esb9138,rjv6512,mar0346,sas2453,jjg7797,fxm1050,whb8352,abg4155,nxh7918,csb3847,mk
p8819,cpl9150,tmk4722,rxs4164,mjl7615,exr3177,jaw3289,twl1797,mjs4983,lsh6478,vms3120,jsl9020,
mtb3379,bws4435,ads3823,gxc3921,hha2316,phm0150,adb0840,scd1879,man7087,brj6969,jlf1748,dxp
8856,sxj3407,kxk3045,jmc6907,nhb3306,raa1431,hjg7225,brg6507,jpm4819,mbd0240,rns5045,jrp9628,
bmg7879,cjg5883,jmt5172,clq2535,rls6543,brb2956,jmm8340,dbk5932,dcd3510,mrt6695,jmm5433,st
m0164,zes2712,cbh5841,cxv6847,jak7775,srf2754,amt6788,akc3510,smc7112,clb1515,hbl7107,smh723
7,bje8654,jjp6672,mjw5652,rwb4850,zpl8666,pak1829,ajk8244,jpm8738,shm5473,jab0016,mjr2016,ads
4324,sws6085,nmr2279,sk9267,txl2715,jac3787,kfg5745,sxd8607,maf8113,sgu4018,mds1761,jbc7075,
ajd4166,ang6829,exb3178,dcr4426,prg1500,jfm8918,mcl4080,mdr9016,kxb4032,svg1390,wen2559,ebk
3521,dis5149,nxg6191,kbc4660,aac5839,jbo5112,gvs4271,akn0473,als1140,jxy3518,cem9314,cxw0106,
trc2876,aat0995,bxg6007,cssac,vxs5163,rxg1272,vxp2888,kxh6049,rlr6379,mjk8256,dxk3582,jst1734,gc
k7129,pdj1133,svc5135,nrr8953,mvl4665,jmp8060,lxz0062,rkn4233,mxi2027,axt9690,kmc6820,jht6586,
sef7055,asg8525,icss234,jct9345,232-
grd,cen0282,pxg5240,jxj8963,mxg5630,tad8375,kmj9907,pns6910,ccm2451,cks8804,kcl8605,jxs1878,mj
l,scx3971,rrs0174,sap1646,lah5523,jwp2095,dmb3357,231-
grd,txl7166,jmr6838,coh6585,jhg5003,964www,jjm7995,p719-
01c,tpo7551,zxa5730,mez8702,mpm6910,jls9988,nll8189,rtm9160,jmw5506,mbr8040,tcs8192,dej9962,
aprese,lxc5005,gxo8505,kwt0195,mbm7297,mcd2281,cfc9018,dtk2037,apr7264,taz9290,apm7109,nxb0
874,dhv5289,axj7737,cr9465,jnk8637,cxc2192,bul0707,rpk4420,tak3850,p719-
01a,sac8371,sjl5824,jdb1090,rnb1914,sxg0562,sxs5438,dmd9910,jjc1752,rwa2233,plw4632,amk9458,a
xr4428,pwk5869,awo3207,dab5849,jxk1035,pxs5461,lfm8184,lcb5106,kml4510,rwk6520,ear1856,rtp42
64,dij0573,jew4884,rdb9723,rjh4581,kwb1261,jcs5924,bmm9186,crh3333,rch1402,jja7656,ajr3508,two
6384,ajk5554,ayg9566,bjr1822,mxb5157,yrl9224,axj0483,kxm6065,jmm0257,jbs8310,saw3763,ajd5356,
ejj5875,jrms,icss707,jeb4632,mjl1517,pcp0899,vah8906,jak1456,erd4819,p719-01b

#2 occurring address: 65.214.36.117

ats,hpb,ark,cxz2509,rwd,atk,tmh,ptt,ncs,icss234,afb,icss571,cs2,icss232,cs4,sjr1521,rsk2445,xy4991,rxg
1272,jdb,lr,anhinga,rdw8666,rkr,jst1734,cs3,yxl1461,rpj,jmg,mjh,pmm1626,icss334,cxw0106,jrv,ajd535
6,cs1,icss263,mmr,aar4623,ifc,jxs1878,kxh6049,ang6829,tmb3006,icss235,sam2195,axj7140,kaa,sxl252
1,mdr9016,jrms,jaa,jsb7384,rxs8065,p590-
01d,jeh,gma6188,may,jag6485,tjz3155,rm7503,xhx4486,964www,wmc,mdd9409,jhk0504,rtb1145,p7
19-01c,p719-01b,p719-01a,jf7949,lrr,urosan,wtm2326,dtv6770,drg4688,p590-73j,p590-73i,p590-
73h,p590-73g,p590-73e,p590-73d,p590-73c,p590-73b,p590-73a,sxm,p590-
01c,brr7907,spr,pcontest,mgs0394,kmb0969,bjs2716,yxy7691,rjz7584,se441,cem9314,jwp2095,bvs499
7,p570-01b,p361-
42a,eh,pxg5240,cen0282,mjk8256,sap1646,nrr8953,sef7055,aam3089,djr7581,nfc5382,jdd5747,kmj990

7,rew8422,dis5149,asg8525,nxg6191,sxn,sss6686,fxs8914,paw,gab5730,ecw6651,swm,tjh8300,pga,wrc,sls6076,cag1258,axt9690,dlr1225,rsg,p362-41d,wgh0532,amt,f2y-grd,tad8375,p759-06c,zes2712,hxp8813,icsg720,marks,pwm5696,csx,ewm5184,waw,dms2252,ewo,icss352,dnw0171,txl0712,fsi2630,wad2692,mjr8305,wen2559,icss351,svc5135,mvl4665,arl8258,oem2374,jfn,softeng,nos,njs8030,nat0001,pdj1133,sxm3011,bxg6007,kxy6184,kar,icss456,cls4584,crn7319,bjr1822,dtk2037,cac2372,icss233,sha5239,abc8518,rlr6379,sma2347,stm0164,p544-01c,mds1761,scd1879,fyj,fdn2479,ksh4250,rwk6520,hxg4229,hhh3016,prs5445,zxj5191,mgn8400,jxt5909,apw9673,nxh7918,frt0714,scl9891,led0041,cac8319,mjs9080,gxy1388,khl0609,rtm8476,mam8624,yhy6841,jes1789,mtj5248,mxm4723,pr11313,dnd9403,jsg3432,mrd1109,dcw7369,jfm8918,rds4018,dih0658,jxg3776,dvc3336,dms5732,dmt0002,rak8870,tpv8500,mkp8819,rt7079,dcc1977,ajc2926,shd0326,sds6656,ajz0465,krh1124,gik2044,maa2454,rfm4792,cas8092,jrc0362,dst1011,jmf5071,kmm7169,wcc2987,edh3168,cxm1147,jsl8286,rjs3356,kfg5745,spy5035,apm9733,msd6123,rgr8261,ash0151,jjz3641,pjb6400,aam4510,boa8488,pmw4328,bll6037,esr4485,rms2456,glr7495,bjh9235,jhr5854,rcb9104,jsg1324,brg0853,cdm3791,djm2370,cox6309,lad6018,mpp8195,mjd6285,rce9873,lam3434,mdm3513,lah5523,jmj0373,lrm7820,jsl9020,beb5913,wzh7428,nxy5902,drp2179,axk0088,mxp2436,ava2675,bid5275,mdh5324,dxh1031,mai2721,rph5670,aac5839,dhv5289,dab5849,erd4819,mbm7297,jnk8637,bul0707,jja7656,sjl5824,jcs5924,mez8702,sac8371,tpo7551,kas3897,gxv0796,gar8595,jsr7584,beb1964,lea1292,apm7109,jls9988,jmw5506,jxk1035,crr9465,lxc5005,ntv1359,jru1146,rbb9168,exs6602,jrg0839,dlm8689,jwf6545,cjs9870,jvl2957,gmm1616,afm2162,aor6022,cja2729,cjb2259,cxc5157,sml4242,pes5750,dab9159,cm63548,ams6008,rww5745,kwf9352,meb8208,deh3895,zfh7894,jmw9666,kjb0566,sai6189,caf6283,njs3983,evc1822,jon2401,dsh8290,dcc5500,axl9127,lxg3306,dxb7413,btz6419,smc0857,wjb9256,jcb7565,jrf0605,jht6586,ded8495,jxs0991,rwc2810,ksm4328,jlz6576,jjb3925,nds8785,jjm6072,jmp9921,mct4270,kg7001,fbl4818,jxm9755,jjt5695,tad5684,jtm1748,jlz5863,kjd6081,pfn4402,egr1630,jdr2670,mjl2788,jcp3377,ase6246,rjw2183,jmb5063,rct5472,krb8621,mdg5943,cpo2571,smd8797,btr5290,ewu5268,ags4764,del7479,mpm1734,bjl7507,ceq1364,jmk7027,gcw1418,jro3139,mwd7087,jab0655,pad7335,emt3734,jcs2350,jac4020,prs3594,jfc4899,mgw6456,etf2954,eae8264,djb9751,dlt1947,thb5845,jsb1579,kcs1932,se362,qxx3451,axj0483,sxg0562,mpm6910,amk9458,ayg9566,kwt0195,nxb0874,yrl9224,lfm8184,jjc1752,cxc2192,rjh4581,axr4428,sxs5438,jmm0257,lcb5106,kxm6065,gxo8505,saw3763,pxs5461,rtm9160,rpk4420,gsk6703,bjd9660,vm,icss221,kxc8696,vrp6084,glg5760,mbd0240,rx9507,p361-45b,se440,umagwww,934www,jah4007,bxr5159,940www,930www,dre9227,dlf9078,cms2264,std3246,hxl9267,bmm3056,gap8763,jak1456,p590-99b,adg1653,axj9577,icss707,irr1449,jdc9088,dmrg,jxj8963,ycx7227,cslab,mpd3564,efg6144,coh6585,pxl8094,vcss345,jaf7936,mpv,rlc,sps,ewd5363,lac,yxg7752,cmh,asl1140

#3 occurring address: 216.39.48.141

hpb,rpj,jeh,wen2559,icss235,afb,mdr9016,icss341,ark,paw,icss231,ncs,atk,spr,ats,kcl8605,zes2712,rxh7017,jst1734,lr,pal6640,cs3,mjh1697,msw4585,cs2,mrd1109,jaa,bgs2187,cs1,aab1217,pga,sls6076,rxg1272,icss263,tmh,kmj9907,rma4653,aam3089,cs1-grd,icss571,xxh4486,axt8828,dxk3582,asg8525,ptt,kar,nxg6191,anhinga,ewd5363,csdept,csdoc,yxz9279,icss233,icss456,njs8030,dre9227,abc8518,vxs5163,jsr7584,cs4,ycx7227,std3246,txs3788,mjh,sma2347,kaa,icss352,amt,cslab,icss334,yxt0376,cls4584,axj9577,kmc6820,dlr1225,csx,cks8804,emk3594,mmr,jjh3

710,wrc,pxv3951,lac,aar4623,spm4006,hxy8630,jdb,jbg7763,icsg720,eh,gap8763,cs3-
grd,rut8402,yxl1461,kml4510,bjr1822,sxn,mjl,mpv,jkc9915,jct9345,jsf7949,drp2179,djh4350,softeng,jrv,
mvl4665,wfm8778,rlr6379,jam1758,vyk5113,rkr,bid5275,sgd1380,mas8625,kxh6049,jah4007,jjm7995,jx
y3518,cxw0106,mcr1276,ang6829,djr7581,rgh3595,jjs9804,lxs5032,jpa8684,kkm2002,vcss345,urosan,jc
k7765,jdd5747,rxg9507,sxa1919,jjg1764,mdd9409,bxg6007,bdm,aat0995,sxm3011,dis5149,ebk3521,sd
m6689,kas3897,dnh5577,dac3892,jdb6098,axk0088,aprese,gar8595,cxt3276,mpd5171,p532-
70b,nxy5902,tjz3155,ava2675,xxy4991,lea1292,jrms,tam2161,dxh1031,axt9690,liam,cem9314,yxv4997,
gjn3855,hhp9485,gxs5626,mdh5324,mxp2436,prg1500,sjr1521,rsk2445,jmg,icss232,wxt2966,~cjm5578,
irr1449,yxh0366,ksj1579,231-
grd,icss351,jmr6838,tjh8300,jfb7079,drk4633,jfn,fyj,jxf7315,rwd,mds1761,gsk6703,ats3085,rtb1145,arl
8258,sps,rmm7503,hxp8813,rdw8666,rxg8002,lso8219,jwp2095,pjn7364,mal0568,jsb7384,mbp3753,glg
5760,nat0001,icss361,bmm3056,dmrg,rjw2183,mnc5689,dpk7386,nxj0619,wzh7428,two6384,rsg,nye11
24,ash9053,may,axa2446,nrr8953,djs2575,se440,lrr,hae,pxg5240,rxg8065,cen0282,vm,sks1282,dcr4426
,gxv0796,beb1964,rlc,rrs0174,sxd8607,maf8113,djo2717,p532-
70a,mai2721,jbo5112,fxs8914,sxl2521,jbc7075,341-
grd,bvs4997,dvn7806,jdd7555,mws7323,tad8375,icss544,jgs3215,p532-
70c,jxj8963,mcl4080,jjm7570,se362,mjk8256,mai3116,arv3501,jle1028,jxs1878,qxs8665,coh6585,cxz25
09,pvf6609,mxi2027,wxc9861,sef7055,vrp6084,qxx3451,p590-
73g,fxk,bxs7266,ajd4166,icss234,sap1646,rph5670,dmb3357,waw,mxb5157,gradlife,jxs187,swm

#4 occurring address: 216.88.158.142

cs4,rpj,cem9314,anhinga,cs1,djr7581,hpb,ncs,wrc,lr,bdm,cs3,atk,ats,spr,paw,afb,kar,csdoc,kxb4032,lac,j
aa,csdept,sjr1521,icss263,vyk5113,mpv,pga,axa2446,amt,231-
grd,icss571,icss334,axt9690,kcl8605,cxw0106,cslab,wen2559,tjh8300,wmc,std3246,aar4623,jmr6838,ad
g1653,jkp3250,mds1761,swm,rxg1272,rsk2445,wfm8778,twc3796,hxp8813,cxz2509,mpd5171,gsk6703,
emk3594,nxy5902,pjn7364,wzh7428,sxl2521,ash9053,jgs3215,????,rew8422,ajb0730,sgd9494,rxg8002
,jmg,vm,icss231,bxs7266,rkr,jdb,arl8258,may,dxk3582,jjm7995,cs2,jfn,jrv,ark,icss234,rwd,icsg720,icss54
4,waw,bjr1822,mmr,ang6829,kml4510,tmh,sxm3011,vxs5163,jjm7570,fyj,vcss345,bxg6007,liam,mdr901
6,icss232,jeh,icss235,bmm3056,kxh6049,yxl1461,icss352,nxg6191,icss361,kxy6184,mvl4665,mjh1697,cs
x-
grd,gap8763,xxy4991,cs0,icss341,rdw8666,maf8113,axk0088,~cjm5578,jsb7384,mxp2436,sxn,csx,rlr637
9,kmc6820,mal0568,sai6189,cs1-
grd,jst1734,icss233,ssg4819,jxj8963,jbo5112,dmb3357,hxy8630,pxv3951,mjl,ava2675,jam1758,ajd4166,
mcl4080,eh,yxv4997,ptt,icss221,gxs5626,pvf6609,icss351,cls4584,cs3-grd,dvn7806,341-
grd,jah4007,bid5275,urosan,jbg7763,drp2179,jxf7315,yxh0366,ats3085,gjn3855,bgs2187,txs3788,jjs980
4,jle1028,mcr1276,tam2161,sph3228,sgu4018,kxt0498,dnw0171,abc8518,jst3290,msw4585,ajd0690,sls
6076,jxs1878,njs8030,kkm7942,drk4633,rgh3595,glg5760,axt8828,aat0995,kmj9907,zes2712,jsf7949,yx

c7227,axj9577,mjk8256,wxa1644,job1017,mbp3753,cag1258,pal6640,p590-01b,p590-01a,rut8402,ewd5363,jck7765

#5 occurring address: 129.21.30.99

aag,afb,amp,amt,anhinga,aob,aprese,ark,atd,atk,ats,axa,bdm,bga,bhh,bjk,cbb,chanbox,chr,cii,cs0,cs1,cs2,cs3,cs4,csdept,csdoc,csgradco,cslab,csx,dad,dgj,dgs,dgt,dnc,drp,drw,eal,eh,ell,emc,ems,epr,ero,ewo,fxk,fyj,gdpro,gig,gj,grad,hae,hkd,hpb,icsg720,icss221,icss231,icss232,icss233,icss234,icss235,icss263,icss334,icss341,icss351,icss352,icss361,icss450,icss455,icss456,icss485,icss544,icss570,icss571,icss707,it-fac,jaa,jab,jal,jam,jch,jdb,jde,jdg,jeh,jfg,jfn,jlk,jmg,jrv,jxs,kaa,kar,kgb,kjb,kjw,kxa,kzp,lac,leone,ljt,lr,lrr,lw h,may,mbp,mdd,meq,mjc,mjf,mjh,mks,mmr,mpv,mulmedia,mwa,ncs,netsyslb,newsmod,nff,ngm,nmp,nrd,ns,patric,paw,pga,phl,probbbox,ptt,pxseec,rdn,rep,ritra,rkr,rlc,rpj,rvp,rsg,rwd,sal,scj,se-admin,se361,se362,se420,se420grd,se440,se441,se442,se442grd,sevolum,sew,sfj,shk,sjp,solubox,sph,s pm,spr,sps,swm,sxj,sxn,sxp,tah,tba,tdw,temp361,tfp,tjr,tmh,txb,vm,vxs,waw,wcc,wjs,wmc,wmm,wrc,tjh 8300,bks,cit,cmh,gameai,labman,mlw,mn,sns,vcss345

#6 occurring address: 66.249.75.198

ats,wrc,hpb,ynevse,sigcse06,rpj,ard4138,mtf,ib,ark,graphics,HPB,jmg,sps,lr,kar,jjm7995,afb,asv4971,sw m,mjh,fyj,bks,grapecluster,bsk7390,vcss241,paw,icss235,csci142,cs4,zjb,ncs,rlc,sej3506,zbl9222,MTF,an hinga,ptt,dcl9934,rjb,bpd9116,wml2631,csci140,cs1,vcss232,drk4633,sai6189,tmh,kdd2003,jxg8497,eh, pskillscpp,spr,wjh3710,rlaz,jjp1820,rsg,grd-261,vcss242,axs5624,vcss243,vcss231,royale,grd- 665,gwf8877,jmk,anh,csci242,kob4806,vcss23x,adb3160,csci603,csci243,jaa,rjb6296,hnn8556,csci453,e ca7215,labman,rwd,qxg7046,jeh,rmb1201,dmrg,fxk,rxk7504,axj4159,vcss233,bxh5868,vcss707,mxd683 8,nan2563,dfb5865,nxh8928,jsb,folkman,drr2013,teb,f2y- grd,bcr3856,mxb3096,hae,ppk7024,rpretc,xdt1207,csci141,pal6640,ta,txb7419,qxz4121,vvg1074,auh80 31,bcg2784,ark5993,pns6910,atk,dav7745,mrb6858,amt,sxg4222,cmh,nxs6836,cmd9625,mpv,ccb3490, bdi8241,atd,jps8620,rsm1792,icpc,csci250,pxs0298,jxg6455,icss571,mxt4877,iss8405,pga,chr,art1759,jx s1878,sxj4236,bxr5935,aew8948,pf,smf,CSCI140,std3246,jdb,ml9951,vcss345,axr1545,vcss544,jck7765, ear7631,arl9577,vcss212,mrd1109,mrs7089,mmr,bkd4833,axl6334,axg7450,cs2,sch7373,sxn,jal3040,krk 9372,jrm3215,kxa8939,rxl7906,icss352,robotlab,bdm,vm,caw4567,mjk,iaw5991,cja9200,srw,condor,obs 8529,cs3,cslab,ph,psk6615

#7 occurring address: 66.249.75.206

ats,fxk,std3246,grd-

665,jmg,mrp9521,rlc,HPB,eh,hpb,ark,swm,csci603,graphics,zjb,csci142,mjh,jsb,jrm3215,rlaz,ib,iaw5991,ard4138,bdm,atd,csci243,ncs,csci141,icss235,spr,vcss243,csx,cslab,mtf,afb,rpj,pskillsCPP,rsg,CSCI142,jeh,zbl9222,dmrg,MTF,jck7765,paw,jsk4445,lac,jpt2433,jdb,atk,as,kar,ntl8690,jmk,anhinga,cs4,tmh,grapecluster,vcss23x,ptt,fyj,%20pga,cs1,vcss707,rpretc,grd-261,rwd,csci140,bdi8241,ml9951,lr,csci242,wrc,vcss232,vcss242,hae,icss352,dxs4659,nxs6836,trc6398,arl9577,sxs4871,eca7215,scj,rxn7672,hsj8890,sxs9174,rmb1201,jaa,pal6640,auh8031,mxt4877,vcss231,mxd6838,chr,icss571,ear7631,axj4159,krk9372,rjb6296,vcss212,vcss233,cs3,ailab,jfz5661,sps,tjh8300,vvg1074,folkman,pfw8521,aap2731,csci250,bks,icpc,jck1089,nan2563,djf4044,ksf6458,royale,bcr3856,slb1566,jps8620,rsm1792,mvp3428,mlb7687,adb3160,kxk2907,exa6414,rjb,dfr2936,bcg2784,mma3543,zxh3909,rxm9841,cs1s,anh,cmh,cs2,CSCI140,ckd,twh1808,gjv2098,kxb3695,amt,cxf2806,sch7373,smf,smb7739,rsn5770,csci101,srw,axr1545,rkr,sdc3737,vcss241,mrs7089,rxl7906,vmm6625,pskillscpp,ges7506,pga,icss351,jsb7384,rjy2985,kcs9333,caw4567,ccscne,drd2013,reu,mjk,bkd4833,ark5993

#8 occurring address: 66.249.75.185

vcss232,hpb,ats,ark,mtf,eh,jsb,anh,rsn5770,ard4138,adb3160,jmk,zjb,cmh,hsk5260,anhinga,ptt,wrc,atk,swm,lr,csci243,mjh,fyj,pskillscpp,ib,spr,mrb6858,jeh,rpj,vcss23x,grapecluster,jmg,mrs7089,rsg,spm9605,pskillsCPP,zbl9222,kar,rlaz,vcss233,drk4633,std3246,exa6414,maa2454,grd-261,RjB,chr,tmh,paw,rlc,ncs,pga,axr1545,mmr,mdm6635,vyk5113,folkman,bdi8241,kxn1462,dmrg,mdr5430,rwd,afb,nxh8928,dfr2936,bxu2079,icpc,icss571,csci141,ml9951,cs4,icss235,vcss242,csci142,cs1,slr2777,HPB,scj,jdb,pal6640,hae,vcss345,dxv5273,rjy2985,csx,bdm,jaa,vcss212,axj4159,kxk2907,cslab,csci250,gsp8334,rxk7504,csci140,olr7441,csci242,atd,zxh3909,rpretc,spss,vvg1074,grd-665,rb54580,sai6189,bcr3856,zxz6862,tjb,kxa8939,icss352,rsm1792,lac,csci603,amt,royale,cr,rjb6296,ndc8551,vm,qxg7046,bcg2784,axt8828,robotlab,wmb1306,vcss243,jxg6455,fxm4467,kxs2624,mxd6838,pns6910,djf4044,mja3749,mrd1109,csci101,MTF,mfb5249,rjb,cs2,twh1808,bmp4070,eab3572,ear7631,cs1s,CSCI140,rkr,sch7373,bks,ash5544,jjk8346,kxb3695,arl9577,dprl,iaw5991,dxs4659,hnn8556,rxl7906,bpd9116,gs,smeas,phl,vy8970,mjk,yxz9279,mtm4440,ppk7024,nan2563,wtl4112,kob4806,aap2731,kkm6815,psk6615

#9 occurring address: 216.239.46.75

wrc,spr,ncs,ptt,mmr,icss334,icss263,kar,hpb,icss571,rkr,anhinga,cs1,cs3,jmg,mxp2436,pga,ark,kcl8605,jeh,drk4633,jaa,gar8595,icss352,cs4,waw,cs2,djh4350,fsi2630,icsg720,jdb,afb,icss231,ats,jrms,atk,paw,se362,jbo5112,jbc7075,tjh8300,rwd,tad8375,akn0473,cslab,cem9314,cs2-grd,cs1-grd,svc5135,rpj,jrv,mrd1109,ccm2451,dsc7420,jxj8963,jxs1878,tmh,vxs5163,apr6775,kbc4660,msm1074,dbf6626,nmm1099,shd0326,tvo9075,eds2064,gik2044,jmp2961,gah6035,sxn,ssa0821,mrh1825,mcg3481,sxl0436,jcc9715,dab5849,brb2956,lcd3279,mdg9542,tmh7770,mwc3627,ndk4275,hhh3016,jag8260,edh3168,jmh8525,ajk9893,rac1915,rrb5014,ewy1521,pfw8521,cxm3417,amm1864,amt6788,lac,rks3877,hxp8813,jzs9783,rxs8065,smp7886,rdw4659,ens9125,lws7636,khw5093,mjv5268,mjs4379,csa8815,txk0229,dmm5208,msw6017,bff3933,wjb1253,mhr8093,agp7723,mws7323,gxc3921,pr1313,ffg3183,rcs0940,jpb8058,cdg2433,ncw5953,dbd9785,prs5445,aph7562,icss233,krm4686,nxp6875,wes1735,ams6686,jpm4819,jrs6735,jhk6964,dvg8277,axv6446,smb2543,cll4352,njs8030,bjt3697,jmc6907,sxg7909,mpk8819,nmr2279,icss234,icss235,rlc,mpv,jbs7384,gap8763,eaw5103,930www,dij4361,sab1637,sjr1521,icss341,jjm7995,kxc8696,mvp4022,jpb0800,aat0995,rkn4233,nxg6191,pad7335,mpr9284,mgm7154,lcy0304,gmm1616,jap7532,ags4764,axt9690,meb8208,mjh

#10 occurring address: 216.239.46.133

ncs,atk,cslab,hpb,icss571,softeng,icss352,cs2,cs4,icss231,rkr,amt,jrv,csdoc,nyj4905,ats,jmg,cs1,icsg720,vmm,jaa,sxl2521,kar,anhinga,afb,icss351,ark,jpa8684,bdm,ptt,icss544,scx9983,spr,wrc,drk4633,cs3,icss263,icss456,paw,pga,msw4585,jrms,gvs4271,svc5135,nrr8953,cxw0106,mjh1697,jdb,jeh,mpv,cs1-grd,mmr,icss232,sxn,kxy6184,dre9227,njs8030,zik8947,rpj,reb9947,trc2876,jmb5267,hxp8813,jcs5924,mks,shd0326,jmw5506,jak1456,nxg6191,nes7983,twl1797,axk6526,jmm1192,ffg3183,dwl2239,jam1758,bph8876,dem5302,yxl7594,mpn8095,ajb1391,twm6716,svd5439,jjp6672,hbl7107,mdb4562,jim5870,ajh0995,sxj6976,cxv6847,mjd6022,jiv4926,hfd9603,rmp4664,jab0016,cmj8459,mbc3675,icss235,bpm9413,cef2163,sas2453,khl0609,cxb0906,acp0238,ewy1521,jtr0849,mar0346,dmf2783,sk0995,icss233,pha,jrl9768,drr1980,bcg1215,tjh8300,exr3177,scs5637,yfz1745,rwd,cxl7607,iek8334,wem8247,jrv4064,pme2880,des5122,jek5522,lgp8996,jxb0502,mpk8819,jxj8963,jms3453,sxl0436,mrd1109,sag1552,afk8836,gdk1300,jst1734,pcb1932,jkc9915,mpr9284,wgh0532,jpb8058,sjg2490,icss341,sab1637,tgc4054,jwf6545,mvp4022,acb7737,rkn4233,dij4361,ase6246,ewd5363,sjr1521,jjm7995,djr7581,bjb3812,jxm9755,spe4249,ifc,kwf9352,ntv1359,tam2161,bjr1822,tyc0429,dab1934,oem2374,djs7167

#11 occurring address: 216.239.46.164

jrv,lac,kar,csdoc,icss334,cs3,ncs,hpb,cs3-
grd,spr,arl8258,icss263,csdept,icss571,nyj4905,sxn,anhinga,icss231,beb1964,ats,icsg720,paw,jrms,afb,a
mt,jfb7079,atk,spm4006,gma6188,pga,icss341,pns6910,dre9227,cslab,jdf2026,mrd1109,msw4585,eh,cs
2,lso8219,als1140,icss352,maf8113,cs1,icss232,jxj8963,bxg6007,cs4,ark,vxs5163,wen2559,jeh,jmg,akn0
473,dxk3582,dlr1225,dmb3357,rtp4264,vm,jmb2618,keb4779,cdc2771,dst1011,wjl3679,jxg3776,eer728
6,cfc9018,sxj6976,rms2456,yxh6894,jdb1090,mja0336,krh1124,jjz3641,dbl3791,sxg0562,dcd3510,als87
70,smm4301,erd4819,cxm1147,hxw9785,brs1429,fds4352,cxp9817,rwd,njs9152,caf6283,mss9221,pak1
829,pac5854,cxs0778,rtc0400,eck2924,pac6393,jcc9715,mpr9284,dvp2326,frt0714,ffg3183,mxo5559,r
mm2948,dxr3738,eam8920,rpk4420,bwl9817,dbk5932,ang6829,jba0125,mtl4490,cjs5459,slx0436,pmd
8870,sab1637,gtm4972,mjw5708,cer4356,kgs2652,wds0313,ncw5953,jdf3402,mcr5149,acp0238,p590-
01d,kbc4660,rxk8065,oxb4293,jaa,abc8518,mbd0240,slr2777,mdb4562,icss235,mdr9016,scl7094,icss23
3,cpb2511,pme2880,jar6070,icss361,232-
grd,rkr,djd6828,bjd8112,930www,icss234,ebb6477,nxg6191,mkp8819,ptt,rkn4233,mjh,mvp4022,jpb80
58,rpj,mmr,jxs0991,gap8763,scd1879,rjl5759,lxs5032,bjr1822,mxb5157

#12 occurring address: 216.239.46.193

jrv,kar,icss571,lac,ncs,icss334,hpb,spr,njs8030,jmr6838,jmg,eh,ptt,jar3817,paw,jrms,mnc5689,gar8595,j
db,afb,jsr7584,jaa,cs1,icss231,rkr,tmh,icss263,cs4,jeh,ats,wmc,mpv,mmr,mta3206,adm9740,spm4006,ic
ss233,csx,dre9227,pga,cs3,cs3-grd,cs2,se440,trc2876,cslab,icsg720,wrc,cs2-grd,tjh8300,cs1-
grd,pdj1133,csdept,icss544,kcl8605,waw,ark,rpj,anhinga,mrd1109,maf8113,jmp9746,mpm6910,krh112
4,nrl5157,cfl1375,nxb0874,jxg3776,sxn,pag6674,rtm9160,mjd6285,des5122,akn0473,ses6442,nes7983,
ask9157,dpl0806,bss7325,brs1429,jrl1209,jdc9088,jrc0362,ril2829,slx0436,tmw0786,mpp8195,afr6941,j
aw6099,jak7775,prd9104,lrn7820,ajr6671,jdh5469,gkm3997,pdr8125,cer4356,ifc1592,slr8624,mdr901
6,tcr9166,tpr0350,lxk6558,fdn2479,rks3877,rlr5874,mjv5268,mgn8400,pmv5693,jhr5854,jat2166,kxy61
84,kds6767,khk8873,shk8974,rwd,rsg,jls5634,csk3847,jrm2428,rwm5894,mgp2775,cxc3158,bpp7700,kg
e7490,dac6384,rkn4233,rpk4420,aar4623,pak1829,rml1343,mrt6695,icss235,aep1966,ajg8850,svm4777
,mkw1714,wxy1291,jpb8058,atk,sjr1521,hxp8813,mwm8326,cxl7607,ifc,djo2717,icss707,nxg6191,rct54
72,scs5637,mpr9284,mvp4022,dij4361,aat0995,mjh,rxn8365,gdr1728,jjm7995,ccm2451,esg5144,ewd53
63

#13 occurring address: 216.239.46.166

spr,kar,ncs,hpb,cs3,cs4,cs1,icss231,csdept,wfm8778,dxh1031,jaa,afb,abc8518,pga,icss263,irr1449,sxn,v
m,jpa8684,ats,njs8030,amt,mmr,231-grd,jeh,dre9227,csx-
grd,rkr,cslab,lac,paw,icss232,cs2,ccm2451,341-grd,jrms,svg1390,cs1-
grd,rwd,eh,tjh8300,wrc,anhinga,mjh1697,icsg720,jdb,ptt,tmh,mjh,rsg,ark,jmp9746,jcs5924,akn0473,bjg
3240,nch1255,icss234,hxt0072,trc2876,vms3120,kxy6184,spj4251,rpj,rcb9104,mpr9284,sls6076,cxw010
6,rro0366,jkl3831,mcg3481,bec2192,jnk8637,scl7094,cdm3791,mxd4716,lwi3690,swz1316,corr9465,yhy
6841,jrc0362,bpc5860,srf2754,sja4756,dpm7203,aec2039,ksl7480,smp7886,kjn8626,sjc4866,mgg4494,j
aj3213,dtk2037,pss2417,sjb6353,wjf9385,csa8815,dck2226,mrs6264,jsg1324,dmb3357,rwt1008,frt0714
,rls6543,sjr1521,jab,ang6829,csh3847,cxm1147,jak5034,csg3319,bmb2063,icss235,mek6721,oam5145,g
wj3667,srg1218,mdr9016,byl1828,bjs7527,mad3251,dak2255,spm3529,ajr5788,pmc8184,csa1949,imb8
999,drh3352,bkj0604,sxm4866,slx0436,rss5553,rpk4420,maf8113,kbn2060,gap8763,jsb7384,mrd1109,
mvp4022,jpb8058,kml4510,nxg6191,dij4361,krb8621,SPB7403,ewo,aat0995,tsm0943,scd1879,tjp1267,j
dh3819,atk,baa0784,ifc,evc1822,efg6144,jxb0502,ewd5363,swm

#14 occurring address: 216.239.46.140

ncs,icss334,hpb,csdoc,cs2-
grd,cs2,anhinga,mmr,icss231,cslab,jrms,eh,emk3594,cs4,waw,afb,kcl8605,njs8030,jaa,spr,gar8595,icss3
41,rkr,sxn,ats,pga,jeh,glg5760,cs3,atk,swm,cs1,icss235,icss263,axt9690,sgu4018,cxw0106,bvs4997,jdb,a
rk,icss351,ptt,kxb4032,sls6076,cs3-
grd,scx3971,gck7129,paw,lac,cen0282,icss544,akn0473,jmg,kxy6184,icsg720,mrb6858,rpj,rce9873,dnd9
403,tml2825,mdm3513,amk9458,jpa8684,cdm5441,jdc9088,bxr5159,jmp8060,axk2789,sng5511,bll6037,
cxm1147,tan2056,mez8702,jkg9634,nmg1829,sac8371,kxh6049,grd8301,tnv6705,aes2336,jib9640,ffg31
83,led0041,ram8009,ajh0995,adl8790,swh9110,mxm3254,dvp2326,gfc7581,jat9360,kge7490,fdn2479,r
wd,adb6790,dph1174,ajb1391,dmh7224,jpb8058,abc8518,sjl5824,tad4649,eam8920,rtc0400,slr2777,cd
g2433,dsm5856,rsc7461,apm9733,cww5940,rkn4233,jmm8340,gab5730,wrc,jaa7104,tdb5818,nxg6191,
awh4992,ewd5363,kjn8626,sfa5313,pjv6136,maf8113,jac3787,mkp8819,esb9138,wen2559,cxm1497,cx
p7449,kbc4660,gwj3667,ndn7322,mxh0011,sjr1521,mvp4022,icss361,mpr9284,jsb7384,jst1734,erd481
9,mpp8195,mdr9016,mrd1109,lxz0062,dlm8689,del7479,amt,sjs0640,icss234,gmm1616,jmr7547,mdl92
85,baw9095,jmb5063,jxb0502,dtv6770,dxb7413,scd1879,icss233

#15 occurring address: 216.239.46.204

ncs,lac,hpb,csdoc,afb,ptt,icss334,njs8030,wrc,kar,pga,cs0,amt,icss231,ats,anhinga,icss263,spr,cs4,jeh,ics
s352,mpv,rxg8002,csdept,djh4350,axt8828,jaa,rkr,csx,cxz2509,paw,spm4006,cs3,mmr,fsi2630,jrms,cs2,
dpk7386,hxp8813,atk,sls6076,sjr1521,cs1-grd,jdb,cs1,p590-
01e,sgu4018,dre9227,jbo5112,dxk3582,dlr1225,jmp9746,mjh1697,rxr2990,maf8113,msm1074,icss456,j
sl9020,jco9473,twl1797,kbc4660,rwd,sss6686,dtk2037,jxk6924,mhn5054,mkm0466,sac8371,dpg2099,b
sg3433,sls9925,rxk4983,svd5439,bxc2495,shk8974,bcb2708,lxe2883,jaw6099,seh2117,stk9297,slm5989
,ams2449,mdf9907,mjr8305,ats3085,mwm4201,mmb5486,mpv9903,omc4527,mxc5943,jmm3077,exb6
767,mxj2084,bws0794,jrk3666,fxs0344,lws7636,exr3177,leb4189,ark,ajk8244,asm6855,mbd0240,zpl86
66,icss235,jdh3090,tmh,rpj,akn0473,src1504,axk4132,ner9848,amj4510,cxl7607,jxj8963,jkc9915,txl2715
,tjw1881,phm0150,smh7237,axj7140,mdb4562,mrd1109,kaa3496,pmm1626,ajd5356,icss361,mjh,dij43
61,mvp4022,nwh5408,icss234,kxh6049,cac2372,kjd6081,jwh2457,bjr1822,vhc3327,rpt2415,jst5340,jcs2
350,rkn4233,mjc2078,djl1266,jrg0839,icss707,jxb0502,msm5714,mgw6456,ags4764,mpd3564,nxg6191,
sxm3233,swm,sfa4941,p719-01b,jdd5747,njs3983

#1 occurring address: 211.216.103.188

ncs,rpj,cs1,wxt2966,csdoc,fyj,wrc,cs2-grd,hpb,amt,cs3,std3246,ptt,cs2,cs1-grd,ats,rkr,cs3-
grd,jpa8684,icss571,jrv,atk,cslab,icsg720,lac,icss263,kkm2002,eh,sjr1521,jdb,yxz9279,nyj4905,kaa,pga,d
jh4350,pjn7364,sxn,paw,axt8828,afb,jbg7763,rsg,hae,vm,jxf7315,twc3796,msw4585,jmg,jsf7949,asv497
1,tmh,spr,waw,341-
grd,mmr,hxp8813,jeh,mjh1697,rwd,sls6076,kar,jaa,bdm,icss235,jfb7079,icss352,mai2721,cs4,icss341,wf
m8778,icss456,mpv,rph5670,lea1292,mai3116,adm9740,beb1964,softeng,gar8595,rtb1145,kas3897,jar
3817,sab1867,csx,ber8532,nxy5902,gxv0796,dbw4795,blf0582,icss351,icss361,dxh1031,dlr1225,jsr7584
,kms7407,may,glg5760,knr8293,ath7325,bnr3839,dnh5577,pmj0460,csx-
grd,cxz2509,mdh5324,tak9830,pcontest,paj9563,kjr8111,irr1449,cxt3276,pxv3951,jal0193,tdp4357,jwe
5789,pdd6808,lcd3279,rce9873,ckx2598,brs1429,ers3268,aam4510,sjb6353,tvn6705,mrd1109,pbk6628
,rja1587,njs8030,jma8000,cmb5199,dws9263,jhl2141,wem8247,mrd8277,yyl8077,lcy0304,afr6941,bjm6
162,jaw6099,ens9125,hxt0072,ghc9465,icss334,jdr3760,agw0079,yfz1745,cxd6230,jjz3641,ece2681,keb
4779,rjl7002,tgk3856,nft4678,dem5302,jms2551,jca1234,jar6070,mhn5054,smp7886,csdept,ark,rac059
5,jds6925,tjr,jah9814,nrl5157,pac5854,maa2454,mnc2986,jrp1636,smw5352,mws1470,ffg3183,eds206
4,agp5411,dih0658,mam8624,yxh6600,rak8870,rhs7867,psm3971,wcr6041,txk0229,ixs4381,lxk6558,pd
r8125,dfr2936,sfg2589,jrl8103,jcc9715,hhh3016,dst1011,bff3933,ksb5668,rlc,mxd4716,jxd0049,sxm486
6,dnw0171,nxl3484,ses6442,hwl2309,ifc1592,jpc7937,sk0995,sw9110,tar2893,jas4237,jhr5854,rgp56
82,esr4485,kdm8123,ark7289,cje3841,mtp6152,ca9275,war8797,maz1136,anh3243,bcg1215,jam9171,
mrc8531,mrh2075,sam3814,cxc3121,all1205,jmf5071,jpp7048,mwm8326,tpr0350,cfl1375,abc8518,rac1
915,tas5509,aeb2731,ssa0821,jrm0182,tjl7666,tsm9041,ner9848,ajr5788,dmf2783,aec2039,drv3988,of
p8263,beb5913,dcc1977,bsc2607,cmr0348,sab1637,pcb1932,tlg7792,jag8153,tvo9075,emd2175,dac38
92,adl8790,msk7188,gad6055,jkl3831,pxl8094,jba0125,bjs7527,ljm4003,nfh7354,rma4738,mpv9903,cjh
9783,aej2574,mac4118,mpp8195,mxs9917,dfm4613,jcr2645,slg2241,rdb6967,jmp2961,dr1980,jmw98

45,fxs0344,tcs8379,tjw1881,jfc5838,jma8721,jsb7384,jrc0362,jmm1192,txr0310,kbn2060,mgn8400,aks9587,mjd6285,dan0337,mdp1758,nxp6875,atc5067,sai6189,dsc7420,ajm1072,kav3351,emd8928,wjf9385,adb6790,pso7025,jat5375,jam6764,cll4352,apw9673,mjs3814,lgp8996,jak5034,mpm7481,wxa1644,mal2440,dak2255,arr1681,rml1343,jsr3204,ach7352,bms6921,dxy6794,yxl7594,srg8317,rds4018,sjy1244,yxh6894,cxl7616,sxg7909,dmm0482,cmh9427,jwf1101,mrs4108,khk8873,dci1910,dmi0772,smb8759,jmj2413,bss7325,gdg1956,cxs0778,zmm1087,bbk8348,ajd0690,led0041,wjb1253,dmt0002,dbd9785,jrk3666,mam8484,mkw0550,bsg3433,kse9532,rcs0940,cxm1147,jld0484,aep1966,sjo0940,jln7449,sds6656,jah4926,jkp3250,iar6219,cjr2885,ajk3594,rmw7783,rzf2382,ncw5953,cxp7449,dpm7203,jmf6689,mek6721,asm6855,sbs1947,prm2951,mxh0011,mjk7909,bes1251,dlb7689,rr00366,mpr9284,vxk2549,bja4700,bah0069,ask9157,hxz9703,ajb0329,jpb8058,jjm7570,mxo5559,bkj0604,kcs1932,jrb3608,nmm1099,jwf0207,mdw4361,dph1174,ash0151,tjm5347,dsm5856,djr7581,jrk5050,apl0823,rfm4792,sxc5568,djh6367,mjv5268,kgs2652,slm5989,sxj7122,smd6304,lam3434,msr2483,tfs8152,cxl7607,mej8766,ndm5017,pjl6624,dxm8021,wjp5442,dpk0854,tmw0786,kmw0567,dxo3485,rgr8261,agg1259,awe9531,dvc3336,mgg4494,jam1758,tad4649,dbl3791,ajk8714,jam4981,jls5634,ura1096,pkn1587,ams6686,rlr5874,bpp7700,ixo7295,dag3259,spj4251,arl2562,kav1180,mjw5708,ats3085,amw8338,ajz0465,sag1552,ajm3144,axj7140,mcr5149,ljb6563,kcb6278,cww5940,apr6775,amm1864,sxl1235,nrg1142,pxm5860,sth0719,jbs3722,rxk4983,lbl6598,exc5972,ajo0548,mrt6315,bjt0654,djt1765,jzs9783,mws2969,nxs8185,cbe9582,jrl1209,acm0810,ewr6582,aph7562,brg0853,stb0565,bsh8976,aee3816,mdd9409,cpb2511,pvf6609,axs0148,jmb8755,tmn3144,jej4130,mdf9907,rlc5227,djm2370,asc6380,avg1977,aar4623,txo8933,exl9109,jdh8946,jxp6713,cax0702,pgk7025,wes1735,cxc3158,adr7826,mbc3675,jaa4323,ssa9529,mcw4909,kjj5745,rds2653,rcb0622,jmj0373,gik2044,dmm5208,sml9350,ass0373,thl5901,sja5146,cxp9009,str8887,jww4304,pjw9720,svm4777,yxl1461,mwm8006,byl1828,jmm1885,was7560,wxy1291,jfz5661,bmh3937,shk8974,jrd6974,ram8009,jdr7376,bld7273,mkw1714,msd6123,msw6017,rmb2682,scl7094,rtc0400,cas8092,cdr5441,dab9721,kdh7931,cxc8926,bas6542,cxe0639,rm0616,drh3352,emt2435,cxl7279,ejh0503,jmk2573,mjs9080,jaj3213,kmv9165,mjd9351,oam5145,eab3572,shd0326,seh2117,jrv4064,pmw4328,jjm5748,mjm3062,smb8062,ajd5295,pss2417,scs5637,mxc2967,jeh5581,swm,ksb8327,cxm7408,mss9221,cxm1497,vyk5113,jxp2608,fpc1883,jmw8161,twm6716,twb8626,swz1316,jrs8685,kcr7135,cxb0025,ial8431,jfg3119,njs4614,sda6161,sab0343,fds4352,mtl4490,jat9360,nxk5767,glr7495,mvl2421,jms3453,pmc8184,mmm6350,mjr7469,trs7058,swt5482,wds0313,zly1308,jxp1724,dij4361,jtr0849,kge7490,ajo3809,bjd2207,bcb2708,leb4189,jmd8720,spy5035,cll9707,atm4339,jhb3827,jaa7104,jma9506,jwr0593,dxr3738,jxj5606,rpww7781,amj4510,rog6556,mgb4668,kjn8626,djs9304,csd4312,jjv2550,mxr4326,eim7101,yxl2809,res6571,bxs6404,jhk6964,afk8836,jdh3090,tjd6352,gtm4972,mcl8699,jaw9088,jkc9915,cad3658,jcl9307,ghb1001,edh3168,ask1725,jat2166,mpn8095,wcc2987,mjh9979,cdc2771,pxs0030,bjh9235,axk2789,alg9820,hlm0011,atg2335,bjr9531,kdh7962,bjt3697,ril2829,crm6425,rwm5894,axr4217,pac6393,mrh1825,aes2336,rxl7870,dal8623,bmb2063,tc9166,sxl6484,sem7610,twm6643,wmg3051,dgs4466,amm4053,ken6134,nwb9412,lad6018,cdm3791,grd8301,srb9954,bkm8836,mpl0907,gsp8334,eck2924,krm4686,sxn1122,axr7927,bjc6310,lmb8845,mps6427,gdk1300,ttn6213,dwl2239,cxv6719,hfd9603,dvg8277,bgk3313,jst3290,stk9297,jib9640,wck1910,nmg1829,mxl6896,jlb5055,jmt8734,cmc5608,smc1342,jim5870,adw6302,axk4132,srb0036,kmm7169,cab9395,bpc5860,nch1255,lpr8870,cmj8459,khl0609,sak6988,mwc3627,crj6092,lwi3690,krm8741,icss232,wpf6749,fxl3374,cxp2822,sxl5090,bcm6093,jdf3402,kds6767,esd8245,nms6646,acp0238,cmr9845,dpg2099,jrc7976,rmp4664,cxp9817,jxs2305,tdw4374,scl9891,amb9845,rtk2978,pmt6263,mek3361,bjd8112,cdg2433,rss5553,kfn2883,snk9934,mwm4201,mpb6705,tim9108,brs6415,jwg9538,psn8138,cac8319,jnt1482,cxg1624,lws7636,jsl8286,jdw5278,ejk6825,sxt0706,jxy3580,sab3317,djk9149,cef2163,cxf0517,jts0422,bpm9413,prd6375,mrt5416,rtm8476,jmb5267,smj1327,jxw5130,sa

p6210,mxh8303,sxa1919,mxm3254,rxr2990,dmh7224,eam8920,jbp3930,mxd9928,slx0436,src1504,axm4991,axs0401,pjb6400,jcb1541,jdc9088,cxw2229,jxu8817,rjh3141,kha5670,cer4356,sjc4866,jcr0038,jwl2319,pme2880,ljc0121,ewy1521,ajb1391,icss231,cdm0312,jrs6735,ams2449,bws0794,mkm0466,yhy6841,msm1074,mad3251,icss221,mas9145,bdw5370,mjd6022,zcf1470,mmk8354,sam2195,whh5154,ewc2599,slp2009,pmf4570,apm9733,nye1124,cma8660,csg3319,csg5684,mdl8158,smm4301,rrb5014,jgs3280,pmd8870,bxc2495,mds6058,tan2056,alp0091,jsg1324,jem5451,mdm3513,jxd2255,pjv6136,dpl0806,gdh8512,awh4992,djb2070,clw9939,jmp9746,bjc9019,dcr6918,frt0714,smt8716,rhk8830,prd9104,asb9949,axn3732,cxa8815,mlb2536,mmmb5486,eka0998,sxj6976,acy7841,gkm3997,kas6073,jco9473,sls9925,dxf5187,rat7079,kti9989,wph7530,djd6828,anhinga,nlv1471,aae9439,spm3529,jmr1287,bwh9324,frb1784,bll6037,wtm2326,eaw5103,mjs4379,mhr8093,rbm6563,sdl2927,mje6229,cko7622,kxb5919,xxg7898,boa8488,avm7370,rds3792,lbd7466,drp4138,gwj3667,idw0680,tis0633,bph8876,bjs0068,mgs4954,mkj7162,jmc4295,dnn0182,etk1202,cgz3317,dab6189,rxb1824,owk5175,ctx0906,dkk4399,imb8999,tjw0890,jmt3447,jiv4926,jxg3776,cjs5459,pmv5693,tpv8500,cxa1949,axa6017,alc6276,als8770,dac6384,jjh3710,ajh0995,des5122,krs1576,rsc7461,jrm2428,ntt5186,clh5014,stm1461,deg0873,jxk6924,jpm8097,zik8947,tdb5818,dnd9403,mdg9542,jbg8713,dlg8894,ajr6671,icss233,dzz6876,mxw6550,fhd6554,djh6585,brs1873,agp7723,mda2376,mja0336,jag8260,bjb5557,jsb1220,aaf6525,jxl8273,sfa5313,gxy1388,dpp3801,jdh5469,jmh8525,jms0218,dck2226,sle2954,ajc2926,ndk4275,tmb3006,axs3497,ext3994,pxz3838,cdp3511,meb0984,prs5445,bwl9817,jwm6981,tml7562,tml2825,djb7630,mxj1816,kjt8342,jmb2618,sbp8988,dvp2326,jgr0346,rms2456,cas0921,spm4006,gxr3286,cxv1089,jpm7724,mjg1676,mas8820,rsh7902,amh8145,txs3788,nes7983,rmm2948,pmm9287,dsm2431,jek5522,pfw8521,dcw7369,saj5020,trs9763,erc8572,mjm9787,cxm3417,gfc7581,tjt3473,anm0944,ndn7322,vxv8403,pfk6942,nxg3751,caf6283,kaa3496,sng5511,mxj2084,cmf5736,njd0382,jmm3077,brq1161,maa9228,omc4527,mcd5210,axk6526,mck5419,ajk9893,rsc4493,mdb4562,mxm6574,bpf0658,dws7419,reb9947,rjr7401,jrk7389,jkg2154,mds0111,mtj5248,kgg2775,bwg0858,pjb5577,taf8925,dlb4430,bum6876,dar4731,jas3900,ajg8850,dms5732,mrs6264,krh1124,svd5439,sxa0604,pxc7761,nwm6357,mjl4772,nxs5608,pjg0606,mpw0220,mab0270,mja9444,djr1572,lxe2883,jdl8219,slr8624,jjf0114,vxd4504,aeg6147,rks3877,dsd1407,txz0309,ksl7480,prm2412,rjs3356,jrl9768,kas8587,cxl6084,pxc9821,smb2543,afw0359,wjl3679,kem9593,rck6844,dei1809,cxd5608,pcf2159,mjs1445,jwg8832,jls6515,ege4864,arb8320,gah6035,jdb5575,srp9633,pmh7814,aoa4436,slr2777,emk3594,bmh8691,axm0882,jjr3455,sxg7108,bpw9015,ash9053,jxr6022,jda4552,xyg3744,eaf3095,ntm8059,sja4756,ajq7237,cmw3741,jpk5521,sjg2490,lrm7820,pmm1626,jxs8185,mpd5171,rwt1008,bgt0823,bmp4235,bec2192,jmp7064,dfm4737,rdw4659,gjb9156,njs9152,dgg4028,slv1481,mcg3481,ajn9108,mgp2775,mlp3370,syp1865,rwt3740,skg2236,smb9848,mjv2816,kjw9644,djl2401,gca9147,axv6446,eer7286,cxo6309,mrb6858,prr1313,vjf6412,jsk4445,eeh8894,jkg9634,fws5777,dab9353,exb6767,khw5093,aan0736,rcb9104,esb9138,rjv6512,mar0346,sas2453,jjg7797,fxm1050,whb8352,abg4155,nxh7918,csh3847,mkp8819,cpl9150,tmk4722,rxs4164,mjl7615,exr3177,jaw3289,twl1797,mjs4983,lsh6478,vms3120,jsl9020,mtb3379,bws4435,ads3823,gxc3921,hha2316,phm0150,adb0840,scd1879,man7087,brj6969,jlf1748,dxp8856,sxj3407,kxk3045,jmc6907,nhb3306,raa1431,hjg7225,brg6507,jpm4819,mbd0240,rns5045,jrp9628,bmg7879,cjg5883,jmt5172,clq2535,rls6543,brb2956,jmm8340,dbk5932,dcd3510,mrt6695,jmm5433,stm0164,zes2712,cbh5841,cxv6847,jak7775,srf2754,amt6788,akc3510,smc7112,clb1515,hbl7107,smh7237,bje8654,jjp6672,mjw5652,rwb4850,zpl8666,pak1829,ajk8244,jpm8738,shm5473,jab0016,mjr2016,ads4324,sws6085,nmr2279,sk9267,txl2715,jac3787,kfg5745,sxd8607,maf8113,sgu4018,mds1761,jbc7075,ajd4166,ang6829,ctx3178,dcr4426,prg1500,jfm8918,mcl4080,mdr9016,kxb4032,svg1390,wen2559,ebk3521,dis5149,nxg6191,kbc4660,aac5839,jbo5112,gvs4271,akn0473,als1140,jxy3518,cem9314,cxw0106,trc2876,aat0995,bxg6007,cssac,vxs5163,rxg1272,vxp2888,kxh6049,rlr6379,mjk8256,dxk3582,jst1734,gc

k7129,pdj1133,svc5135,nrr8953,mvl4665,jmp8060,lxz0062,rkn4233,mxi2027,axt9690,kmc6820,jht6586,sef7055,asg8525,icss234,jct9345,232-
grd,cen0282,pxg5240,jxj8963,mxg5630,tad8375,kmj9907,pns6910,ccm2451,cks8804,kcl8605,jxs1878,mjl,scx3971,rrs0174,sap1646,lah5523,jwp2095,dmb3357,231-
grd,txl7166,jmr6838,coh6585,jhg5003,964www,jjm7995,p719-
01c,tpo7551,zxa5730,mez8702,mpm6910,jls9988,nll8189,rtm9160,jmw5506,mbr8040,tcs8192,dej9962,aprese,lxc5005,gxo8505,kwt0195,mbm7297,mcd2281,cfc9018,dtk2037,apr7264,taz9290,apm7109,nxb0874,dhv5289,axj7737,cr9465,jnk8637,cxc2192,bul0707,rpk4420,tak3850,p719-
01a,sac8371,sjl5824,jdb1090,rnb1914,sxg0562,sxs5438,dmd9910,jjc1752,rwa2233,plw4632,amk9458,axr4428,pwk5869,awo3207,dab5849,jxk1035,pxs5461,lfm8184,lcb5106,kml4510,rwk6520,ear1856,rtp4264,dij0573,jew4884,rdb9723,rjh4581,kwb1261,jcs5924,bmm9186,crh3333,rch1402,jja7656,ajr3508,two6384,ajk5554,ayg9566,bjr1822,mxb5157,yrl9224,axj0483,kxm6065,jmm0257,jbs8310,saw3763,ajd5356,ejj5875,jrms,icss707,jeb4632,mjl1517,pcp0899,vah8906,jak1456,erd4819,p719-01b

#2 occurring address: 65.214.36.117

ats,hpb,ark,cxz2509,rwd,atk,tmh,ptt,ncs,icss234,afb,icss571,cs2,icss232,cs4,sjr1521,rsk2445,xyy4991,rxg1272,jdb,lr,anhinga,rdw8666,rkr,jst1734,cs3,yxl1461,rpj,jmg,mjh,pmm1626,icss334,cxw0106,jrv,ajd5356,cs1,icss263,mmr,aar4623,ifc,jxs1878,kxh6049,ang6829,tmb3006,icss235,sam2195,axj7140,kaa,sxl2521,mdr9016,jrms,jaa,jsb7384,rx8065,p590-
01d,jeh,gma6188,may,jag6485,tjz3155,rm7503,xxh4486,964www,wmc,mdd9409,jhk0504,rtb1145,p719-01c,p719-01b,p719-01a,jsf7949,lrr,urosan,wtm2326,dtv6770,drg4688,p590-73j,p590-73i,p590-73h,p590-73g,p590-73e,p590-73d,p590-73c,p590-73b,p590-73a,sxm,p590-
01c,brr7907,spr,pcontest,mgs0394,kmb0969,bjs2716,xyy7691,rjz7584,se441,cem9314,jwp2095,bvs4997,p570-01b,p361-
42a,eh,pxg5240,cen0282,mjk8256,sap1646,nrr8953,sef7055,aam3089,djr7581,nfc5382,jdd5747,kmj9907,rew8422,dis5149,asg8525,nxg6191,sxn,sss6686,fxs8914,paw,gab5730,ecw6651,swm,tjh8300,pga,wrc,sls6076,cag1258,axt9690,dlr1225,rsg,p362-41d,wgh0532,amt,f2y-grd,tad8375,p759-
06c,zes2712,hxp8813,icsg720,marks,pwm5696,csx,ewm5184,waw,dms2252,ewo,icss352,dnw0171,txl0712,fsi2630,wad2692,mjr8305,wen2559,icss351,svc5135,mvl4665,arl8258,oem2374,jfn,softeng,nos,njs8030,nat0001,pdj1133,sxm3011,bxg6007,kxy6184,kar,icss456,cls4584,crn7319,bjr1822,dtk2037,cac2372,icss233,sha5239,abc8518,rlr6379,sma2347,stm0164,p544-
01c,mds1761,scd1879,fyj,fdn2479,ksh4250,rwk6520,hxg4229,hhh3016,prs5445,zxj5191,mgn8400,jxt5909,apw9673,nxh7918,frt0714,scl9891,led0041,cac8319,mjs9080,gxy1388,khl0609,rtm8476,mam8624,yhy6841,jes1789,mtj5248,mxm4723,pr1313,dnd9403,jsg3432,mrd1109,dcw7369,jfm8918,rds4018,dih0658,jxg3776,dvc3336,dms5732,dmt0002,rak8870,tpv8500,mkp8819,rt7079,dcc1977,ajc2926,shd0326,sds6656,ajz0465,krh1124,gik2044,maa2454,rfm4792,cas8092,jrc0362,dst1011,jmf5071,kmm7169,wcc2987,edh3168,cxm1147,jsl8286,rjs3356,kfg5745,spy5035,apm9733,msd6123,rgr8261,ash0151,jjz3641,pjb6400,aam4510,boa8488,pmw4328,bll6037,esr4485,rms2456,glr7495,bjh9235,jhr5854,rcb9104,jsg1324

,brg0853,cdm3791,djm2370,cxo6309,lad6018,mpp8195,mjd6285,rce9873,lam3434,mdm3513,lah5523,jmj0373,lrm7820,jsl9020,beb5913,wzh7428,nxy5902,drp2179,axk0088,mxp2436,ava2675,bid5275,mdh5324,dxh1031,mai2721,rph5670,aac5839,dhv5289,dab5849,erd4819,mbm7297,jnk8637,bul0707,jja7656,sjl5824,jcs5924,mez8702,sac8371,tpo7551,kas3897,gxv0796,gar8595,jsr7584,beb1964,lea1292,apm7109,jls9988,jmw5506,jxk1035,crr9465,lxc5005,ntv1359,jru1146,rbb9168,exs6602,jrg0839,dlm8689,jwf6545,cjs9870,jvl2957,gmm1616,afm2162,aor6022,cja2729,cjb2259,cxc5157,sml4242,pes5750,dab9159,cm b3548,ams6008,rww5745,kwf9352,meb8208,deh3895,zfh7894,jmw9666,kjb0566,sai6189,caf6283,njs3983,evc1822,jon2401,dsh8290,dcc5500,axl9127,lxg3306,dxb7413,btz6419,smc0857,wjb9256,jcb7565,jrf0605,jht6586,ded8495,jxs0991,rwc2810,ksm4328,jlz6576,jjb3925,nds8785,jjm6072,jmp9921,mct4270,kg s7001,fbl4818,jxm9755,jjt5695,tad5684,jtm1748,jlz5863,kjd6081,pfn4402,egr1630,jdr2670,mjl2788,jcp 3377,ase6246,rjw2183,jmb5063,rct5472,krb8621,mdg5943,cpo2571,smd8797,btr5290,ewu5268,ags4764,del7479,mpm1734,bjl7507,ceq1364,jmk7027,gcw1418,jro3139,mwd7087,jab0655,pad7335,emt3734,jcs2350,jac4020,prs3594,jfc4899,mgw6456,etf2954,eae8264,djb9751,dlt1947,thb5845,jsb1579,kcs1932,se362,qxx3451,axj0483,sxg0562,mpm6910,amk9458,ayg9566,kwt0195,nxb0874,yrl9224,lfm8184,jjc1752,cxc2192,rjh4581,axr4428,sxs5438,jmm0257,lcb5106,kxm6065,gxo8505,saw3763,pxs5461,rtm9160,rp k4420,gsk6703,bjd9660,vm,icss221,kxc8696,vrp6084,glg5760,mbd0240,rx9507,p361-45b,se440,umagwww,934www,jah4007,bxr5159,940www,930www,dre9227,dlf9078,cms2264,std3246,hxl9267,bmm3056,gap8763,jak1456,p590-99b,adg1653,axj9577,icss707,irr1449,jdc9088,dmrg,jxj8963,ycx7227,cslab,mpd3564,efg6144,coh6585,p xl8094,vcss345,jaf7936,mpv,rlc,sps,ewd5363,lac,yxg7752,cmh,asl1140

#3 occurring address: 216.39.48.141

hpb,rpj,jeh,wen2559,icss235,afb,mdr9016,icss341,ark,paw,icss231,ncs,atk,spr,ats,kcl8605,zes2712,rxh7017,jst1734,lr,pal6640,cs3,mjh1697,msw4585,cs2,mrd1109,jaa,bgs2187,cs1,aab1217,pga,sls6076,rxg1272,icss263,tmh,kmj9907,rma4653,aam3089,cs1-grd,icss571,xxh4486,axt8828,dxk3582,asg8525,ptt,kar,nxg6191,anhinga,ewd5363,csdept,csdoc,yxz9279,icss233,icss456,njs8030,dre9227,abc8518,vxs5163,jsr7584,cs4,ycx7227,std3246,txs3788,mjh,sma2347,k aa,icss352,amt,cslab,icss334,yxt0376,cls4584,axj9577,kmc6820,dlr1225,csx,cks8804,emk3594,mmr,jjh3710,wrc,pxv3951,lac,aar4623,spm4006,hxy8630,jdb,jbg7763,icsg720,eh,gap8763,cs3-grd,rut8402,yxl1461,kml4510,bjr1822,sxn,mjl,mpv,jkc9915,jct9345,jsf7949,drp2179,djh4350,softeng,jrv,mvl4665,wfm8778,rlr6379,jam1758,vyk5113,rkr,bid5275,sgd1380,mas8625,kxh6049,jah4007,jjm7995,jx y3518,cxw0106,mcr1276,ang6829,djr7581,rgh3595,jjs9804,lxs5032,jpa8684,kkm2002,vcss345,urosan,jc k7765,jdd5747,rx9507,sxa1919,jjg1764,mdd9409,bxg6007,bdm,aat0995,sxm3011,dis5149,ebk3521,sd m6689,kas3897,dnh5577,dac3892,jdb6098,axk0088,aprese,gar8595,cxt3276,mpd5171,p532-70b,nxy5902,tjz3155,ava2675,xyy4991,lea1292,jrms,tam2161,dxh1031,axt9690,liam,cem9314,yxv4997,gjn3855,hhp9485,gxs5626,mdh5324,mxp2436,prg1500,sjr1521,rsk2445,jmg,icss232,wxt2966,~cjm5578,irr1449,yxh0366,ksj1579,231-grd,icss351,jmr6838,tjh8300,jfb7079,drk4633,jfn,fyj,jxf7315,rwd,mds1761,gsk6703,ats3085,rtb1145,arl

8258,sps,rmm7503,hxp8813,rdw8666,rxg8002,lso8219,jwp2095,pjn7364,mal0568,jsb7384,mbp3753,glg
5760,nat0001,icss361,bmm3056,dmrg,rjw2183,mnc5689,dpk7386,nxj0619,wzh7428,two6384,rsg,nye11
24,ash9053,may,axa2446,nrr8953,djs2575,se440,lrr,hae,pxg5240,rx8065,cen0282,vm,sks1282,dcr4426
,gxv0796,beb1964,rlc,rrs0174,sxd8607,maf8113,djo2717,p532-
70a,mai2721,jbo5112,fxs8914,sxl2521,jbc7075,341-
grd,bvs4997,dvn7806,jdd7555,mws7323,tad8375,icss544,jgs3215,p532-
70c,jxj8963,mcl4080,jjm7570,se362,mjk8256,mai3116,arv3501,jle1028,jxs1878,qxs8665,coh6585,cxz25
09,pvf6609,mxi2027,wxc9861,sef7055,vrp6084,qxx3451,p590-
73g,fxk,bxs7266,ajd4166,icss234,sap1646,rph5670,dmb3357,waw,mxb5157,gradlife,jxs187,swm

#4 occurring address: 216.88.158.142

cs4,rpj,cem9314,anhinga,cs1,djr7581,hpb,ncs,wrc,lr,bdm,cs3,atk,ats,spr,paw,afb,kar,csdoc,kxb4032,lac,j
aa,csdept,sjr1521,icss263,vyk5113,mpv,pga,axa2446,amt,231-
grd,icss571,icss334,axt9690,kcl8605,cxw0106,cslab,wen2559,tjh8300,wmc,std3246,aar4623,jmr6838,ad
g1653,jkp3250,mds1761,swm,rxg1272,rsk2445,wfm8778,twc3796,hxp8813,cxz2509,mpd5171,gsk6703,
emk3594,nxy5902,pjn7364,wzh7428,sxl2521,ash9053,jgs3215,????,rew8422,ajb0730,sgd9494,rxg8002
,jmg,vm,icss231,bxs7266,rkr,jdb,arl8258,may,dxk3582,jjm7995,cs2,jfn,jrv,ark,icss234,rwd,icsg720,icss54
4,waw,bjr1822,mmr,ang6829,kml4510,tmh,sxm3011,vxs5163,jjm7570,fyj,vcss345,bxg6007,liam,mdr901
6,icss232,jeh,icss235,bmm3056,kxh6049,yxl1461,icss352,nxg6191,icss361,kxy6184,mvl4665,mjh1697,cs
x-
grd,gap8763,xxy4991,cs0,icss341,rdw8666,maf8113,axk0088,~cjm5578,jsb7384,mxp2436,sxn,csx,rlr637
9,kmc6820,mal0568,sai6189,cs1-
grd,jst1734,icss233,ssg4819,jxj8963,jbo5112,dmb3357,hxy8630,pxv3951,mjl,ava2675,jam1758,ajd4166,
mcl4080,eh,yxv4997,ptt,icss221,gxs5626,pvf6609,icss351,cls4584,cs3-grd,dvn7806,341-
grd,jah4007,bid5275,urosan,jbg7763,drp2179,jxf7315,yxh0366,ats3085,gjn3855,bgs2187,txs3788,jjs980
4,jle1028,mcr1276,tam2161,sph3228,sgu4018,kxt0498,dnw0171,abc8518,jst3290,msw4585,ajd0690,sls
6076,jxs1878,njs8030,kkm7942,drk4633,rgh3595,glg5760,axt8828,aat0995,kmj9907,zes2712,jsf7949,yx
c7227,axj9577,mjk8256,wxa1644,job1017,mbp3753,cag1258,pal6640,p590-01b,p590-
01a,rut8402,ewd5363,jck7765

#5 occurring address: 129.21.30.99

aag,afb,amp,amt,anhinga,aob,aprese,ark,atd,atk,ats,axa,bdm,bga,bhh,bjk,cbb,chanbox,chr,cii,cs0,cs1,cs2,cs3,cs4,csdept,csdoc,csgradco,cslab,csx,dad,dgj,dgs,dgt,dnc,drp,drw,eal,eh,ell,emc,ems,epr,ero,ewo,fxk,fyj,gdpro,gig,gj,grad,hae,hkd,hpb,icsg720,icss221,icss231,icss232,icss233,icss234,icss235,icss263,icss334,icss341,icss351,icss352,icss361,icss450,icss455,icss456,icss485,icss544,icss570,icss571,icss707,it-fac,jaa,jab,jal,jam,jch,jdb,jde,jdg,jeh,jfg,jfn,jlk,jmg,jrv,jxs,kaa,kar,kgb,kjb,kjw,kxa,kzp,lac,leone,ljt,lr,lrr,lw h,may,mbp,mdd,mek,mjc,mjf,mjh,mks,mmr,mpv,mulmedia,mwa,ncs,netsyslb,newsmod,nff,ngm,nmp,n rd,ns,patric,paw,pga,phl,probbbox,ptt,pxseec,rdn,rep,ritra,rkr,rlc,rpj,rvp,rsg,rwd,sal,scj,se-admin,se361,se362,se420,se420grd,se440,se441,se442,se442grd,sevolum,sew,sfj,shk,sjp,solubox,sph,s pm,spr,sps,swm,sxj,sxn,sxp,tah,tba,tdw,temp361,tfp,tjr,tmh,txb,vm,vxs,waw,wcc,wjs,wmc,wmm,wrc,tjh 8300,bks,cit,cmh,gameai,labman,mlw,mn,sns,vcss345

#6 occurring address: 66.249.75.198

ats,wrc,hpb,ynevse,sigcse06,rpj,ard4138,mtf,ib,ark,graphics,HPB,jmg,sps,lr,kar,jjm7995,afb,asv4971,sw m,mjh,fyj,bks,grapecluster,bsk7390,vcss241,paw,icss235,csci142,cs4,zjb,ncs,rlc,sej3506,zbl9222,MTF,an hinga,ptt,dcl9934,rjb,bpd9116,wml2631,csci140,cs1,vcss232,drk4633,sai6189,tmh,kdd2003,jxg8497,eh, pskillscpp,spr,wjh3710,rlaz,jjp1820,rsg,grd-261,vcss242,axs5624,vcss243,vcss231,royale,grd- 665,gwf8877,jmk,anh,csci242,kob4806,vcss23x,adb3160,csci603,csci243,jaa,rjb6296,hnn8556,csci453,e ca7215,labman,rwd,qxg7046,jeh,rmb1201,dmrg,fxk,rxk7504,axj4159,vcss233,bxh5868,vcss707,mxd683 8,nan2563,dfb5865,nxh8928,jsb,folkman,drd2013,teb,f2y- grd,bcr3856,mxb3096,hae,ppk7024,rpretc,xdt1207,csci141,pal6640,ta,txb7419,qxz4121,vvg1074,auh80 31,bcg2784,ark5993,pns6910,atk,dav7745,mrb6858,amt,sxg4222,cmh,nxs6836,cmd9625,mpv,ctx3490, bdi8241,atd,jps8620,rsm1792,icpc,csci250,pxs0298,jxg6455,icss571,mxt4877,iss8405,pga,chr,art1759,jx s1878,sxj4236,bxr5935,aew8948,pf,smf,CSCI140,std3246,jdb,ml9951,vcss345,axr1545,vcss544,jck7765, ear7631,arl9577,vcss212,mrd1109,mrs7089,mmr,bkd4833,axl6334,axg7450,cs2,sch7373,sxn,jal3040,krk 9372,jrm3215,kxa8939,rxl7906,icss352,robotlab,bdm,vm,caw4567,mjk,iaw5991,cja9200,srw,condor,obs 8529,cs3,cslab,ph,psk6615

#7 occurring address: 66.249.75.206

ats,fxk,std3246,grd- 665,jmg,mrp9521,rlc,HPB,eh,hpb,ark,swm,csci603,graphics,zjb,csci142,mjh,jsb,jrm3215,rlaz,ib,iaw5991, ard4138,bdm,atd,csci243,ncs,csci141,icss235,spr,vcss243,csx,cslab,mtf,afb,rpj,pskillsCPP,rsg,CSCI142,jeh ,zbl9222,dmrg,MTF,jck7765,paw,jsk4445,lac,jpt2433,jdb,atk,as,kar,ntl8690,jmk,anhinga,cs4,tmh,grapecl

uster,vcss23x,ptt,fyj,%20pga,cs1,vcss707,rpretc,grd-
261,rwd,csci140,bdi8241,ml9951,lr,csci242,wrc,vcss232,vcss242,hae,icss352,dxs4659,nxs6836,trc6398,a
rl9577,sxs4871,eca7215,scj,rxn7672,hsj8890,sxs9174,rmb1201,jaa,pal6640,auh8031,mxt4877,vcss231,
mxd6838,chr,icss571,ear7631,axj4159,krk9372,rjb6296,vcss212,vcss233,cs3,ailab,jfz5661,sps,tjh8300,vv
g1074,folkman,pfw8521,aap2731,csci250,bks,icpc,jck1089,nan2563,djf4044,ksf6458,royale,bcr3856,slb
1566,jps8620,rsm1792,mvp3428,mlb7687,adb3160,kxk2907,exa6414,rjb,dfr2936,bcg2784,mma3543,zx
h3909,rxm9841,cs1s,anh,cmh,cs2,CSCI140,ckd,twh1808,gjv2098,kxb3695,amt,cxf2806,sch7373,smf,smb
7739,rsn5770,csci101,srw,axr1545,rkr,sdc3737,vcss241,mrs7089,rxl7906,vmm6625,pskillscpp,ges7506,p
ga,icss351,jsb7384,rjy2985,kcs9333,caw4567,ccscne,drr2013,reu,mjk,bkd4833,ark5993

#8 occurring address: 66.249.75.185

vcss232,hpb,ats,ark,mtf,eh,jsb,anh,rsn5770,ard4138,adb3160,jmk,zjb,cmh,hsk5260,anhinga,ptt,wrc,atk,
swm,lr,csci243,mjh,fyj,pskillscpp,ib,spr,mrb6858,jeh,rpj,vcss23x,grapecluster,jmg,mrs7089,rsg,spm9605,
pskillsCPP,zbl9222,kar,rlaz,vcss233,drk4633,std3246,exa6414,maa2454,grd-
261,RjB,chr,tmh,paw,rlc,ncs,pga,axr1545,mmr,mdm6635,vyk5113,folkman,bdi8241,kxn1462,dmrg,mdr5
430,rwd,afb,nxh8928,dfr2936,bxu2079,icpc,icss571,csci141,ml9951,cs4,icss235,vcss242,csci142,cs1,slr2
777,HPB,scj,jdb,pal6640,hae,vcss345,dxv5273,rjy2985,csx,bdm,jaa,vcss212,axj4159,kxk2907,cslab,csci25
0,gsp8334,rxk7504,csci140,olr7441,csci242,atd,zxh3909,rpretc,sps,vvg1074,grd-
665,rbs4580,sai6189,bcr3856,zxz6862,tjb,kxa8939,icss352,rsm1792,lac,csci603,amt,royale,crr,rjb6296,n
dc8551,vm,qxg7046,bcg2784,axt8828,robotlab,wmb1306,vcss243,jxg6455,fxm4467,kxs2624,mxd6838,p
ns6910,djf4044,mja3749,mrd1109,csci101,MTF,mfb5249,rjb,cs2,twh1808,bmp4070,eab3572,ear7631,c
s1s,CSCI140,rkr,sch7373,bks,ash5544,jjk8346,kxb3695,arl9577,dprl,iaw5991,dxs4659,hnn8556,rxl7906,b
pd9116,gs,smeas,phl,vy8970,mjk,yxz9279,mtm4440,ppk7024,nan2563,wtl4112,kob4806,aap2731,kkm6
815,psk6615

#9 occurring address: 216.239.46.75

wrc,spr,ncs,ptt,mmr,icss334,icss263,kar,hpb,icss571,rkr,anhinga,cs1,cs3,jmg,mxp2436,pga,ark,kcl8605,j
eh,drk4633,jaa,gar8595,icss352,cs4,waw,cs2,djh4350,fsi2630,icsg720,jdb,afb,icss231,ats,jrms,atk,paw,s
e362,jbo5112,jbc7075,tjh8300,rwd,tad8375,akn0473,cslab,cem9314,cs2-grd,cs1-
grd,svc5135,rpj,jrv,mrd1109,ccm2451,dsc7420,jxj8963,jxs1878,tmh,vxs5163,apr6775,kbc4660,msm107
4,dbf6626,nmm1099,shd0326,tvo9075,eds2064,gik2044,jmp2961,gah6035,sxn,ssa0821,mrh1825,mcg3
481,sxl0436,jcc9715,dab5849,brb2956,lcd3279,mdg9542,tmh7770,mwc3627,ndk4275,hhh3016,jag8260

,edh3168,jmh8525,ajk9893,rac1915,rrb5014,ewy1521,pfw8521,cxm3417,amm1864,amt6788,lac,rks387
7,hxp8813,jzs9783,rxk8065,smp7886,rdw4659,ens9125,lws7636,khw5093,mjv5268,mjs4379,csa8815,tx
k0229,dmm5208,msw6017,bff3933,wjb1253,mhr8093,agp7723,mws7323,gxc3921,pr1313,ffg3183,rsc0
940,jpb8058,cdg2433,ncw5953,dbd9785,prs5445,aph7562,icss233,krm4686,nxp6875,wes1735,ams668
6,jpm4819,jrs6735,jhk6964,dvg8277,axv6446,smb2543,cll4352,njs8030,bjt3697,jmc6907,sxg7909,mkp8
819,nmr2279,icss234,icss235,rlc,mpv,jsb7384,gap8763,eaw5103,930www,dij4361,sab1637,sjr1521,icss
341,jjm7995,kxc8696,mvp4022,jpb0800,aat0995,rkn4233,nxg6191,pad7335,mpr9284,mgm7154,lcy030
4,gmm1616,jap7532,ags4764,axt9690,meb8208,mjh

#10 occurring address: 216.239.46.133

ncs,atk,cslab,hpb,icss571,softeng,icss352,cs2,cs4,icss231,rkr,amt,jrv,csdoc,nyj4905,ats,jmg,cs1,icsg720,v
m,jaa,sl2521,kar,anhinga,afb,icss351,ark,jpa8684,bdm,ptt,icss544,sxc9983,spr,wrc,drk4633,cs3,icss263
,icss456,paw,pga,msw4585,jrms,gvs4271,svc5135,nrr8953,cxw0106,mjh1697,jdb,jeh,mpv,cs1-
grd,mmr,icss232,sxn,kxy6184,dre9227,njs8030,zik8947,rpj,reb9947,trc2876,jmb5267,hxp8813,jcs5924,
mks,shd0326,jmw5506,jak1456,nxg6191,nes7983,twl1797,axk6526,jmm1192,ffg3183,dwl2239,jam1758
,bph8876,dem5302,yxl7594,mpn8095,ajb1391,twm6716,svd5439,jjp6672,hbl7107,mdb4562,jim5870,aj
h0995,sxj6976,cxv6847,mjd6022,jiv4926,hfd9603,rmp4664,jab0016,cmj8459,mbc3675,icss235,bpm941
3,cef2163,sas2453,khl0609,cxb0906,acp0238,ewy1521,jtr0849,mar0346,dmf2783,sk0995,icss233,pha,j
rl9768,dr1980,bcg1215,tjh8300,exr3177,scs5637,yfz1745,rwd,cxl7607,iek8334,wem8247,jrv4064,pme2
880,des5122,jek5522,lgp8996,jxb0502,mkp8819,jxj8963,jms3453,sl0436,mrd1109,sag1552,afk8836,gd
k1300,jst1734,pcb1932,jkc9915,mpr9284,wgh0532,jpb8058,sjg2490,icss341,sab1637,tgc4054,jwf6545,
mvp4022,acb7737,rkn4233,dij4361,ase6246,ewd5363,sjr1521,jjm7995,djr7581,bjb3812,jxm9755,spe42
49,ifc,kwf9352,ntv1359,tam2161,bjr1822,tyc0429,dab1934,oem2374,djs7167

#11 occurring address: 216.239.46.164

jrv,lac,kar,csdoc,icss334,cs3,ncs,hpb,cs3-
grd,spr,arl8258,icss263,csdept,icss571,nyj4905,sxn,anhinga,icss231,beb1964,ats,icsg720,paw,jrms,afb,a
mt,jfb7079,atk,spm4006,gma6188,pga,icss341,pns6910,dre9227,cslab,jdf2026,mrd1109,msw4585,eh,cs
2,lso8219,als1140,icss352,maf8113,cs1,icss232,jxj8963,bxg6007,cs4,ark,vxs5163,wen2559,jeh,jmg,akn0
473,dxk3582,dlr1225,dmb3357,rtp4264,vm,jmb2618,keb4779,cdc2771,dst1011,wjl3679,jxg3776,eer728
6,cfc9018,sxj6976,rms2456,yxh6894,jdb1090,mja0336,krh1124,jjz3641,dbl3791,sxg0562,dcd3510,als87
70,smm4301,erd4819,cxm1147,hxw9785,brs1429,fds4352,cxp9817,rwd,njs9152,caf6283,mss9221,pak1

829,pac5854,cxs0778,rtc0400,eck2924,pac6393,jcc9715,mpr9284,dvp2326,frt0714,ffg3183,mxo5559,rmm2948,dxr3738,eam8920,rpk4420,bwl9817,dbk5932,ang6829,jba0125,mtl4490,cjs5459,slx0436,pmd8870,sab1637,gtm4972,mjw5708,cer4356,kgs2652,wds0313,ncw5953,jdf3402,mcr5149,acp0238,p590-01d,kbc4660,rxn8065,oxb4293,jaa,abc8518,mbd0240,slr2777,mdb4562,icss235,mdr9016,scl7094,icss233,cpb2511,pme2880,jar6070,icss361,232-grd,rkr,djd6828,bjd8112,930www,icss234,ebb6477,nxg6191,mkp8819,ptt,rkn4233,mjh,mvp4022,jpb8058,rpj,mmr,jxs0991,gap8763,scd1879,rjl5759,lxs5032,bjr1822,mxb5157

#12 occurring address: 216.239.46.193

jrv,car,icss571,lac,ncs,icss334,hpb,spr,njs8030,jmr6838,jmg,eh,ptt,jar3817,paw,jrms,mnc5689,gar8595,jdb,afb,jsr7584,jaa,cs1,icss231,rkr,tmh,icss263,cs4,jeh,ats,wmc,mpv,mmr,mta3206,adm9740,spm4006,icss233,csx,dre9227,pga,cs3,cs3-grd,cs2,se440,trc2876,cslab,icsg720,wrc,cs2-grd,tjh8300,cs1-grd,pdj1133,csdept,icss544,kcl8605,waw,ark,rpj,anhinga,mrd1109,maf8113,jmp9746,mpm6910,krh1124,nrl5157,cfl1375,nxb0874,jxg3776,sxn,pag6674,rtm9160,mjd6285,des5122,akn0473,ses6442,nes7983,ask9157,dpl0806,bss7325,brs1429,jrl1209,jdc9088,jrc0362,ril2829,slx0436,tmw0786,mpp8195,afp6941,jaw6099,jak7775,prd9104,lrm7820,ajr6671,jdh5469,gkm3997,pdr8125,cer4356,ifc1592,slr8624,mdr9016,tcr9166,tpr0350,lxk6558,fdn2479,rks3877,rlr5874,mjv5268,mgn8400,pmv5693,jhr5854,jat2166,kxy6184,kds6767,khk8873,shk8974,rwd,rsg,jls5634,csx3847,jrm2428,rwm5894,mgp2775,cxc3158,bpp7700,kgc7490,dac6384,rkn4233,rpk4420,aar4623,pak1829,rml1343,mrt6695,icss235,aep1966,ajg8850,svm4777,mkw1714,wxy1291,jpb8058,atk,sjr1521,hxp8813,mwm8326,cxl7607,ifc,djo2717,icss707,nxg6191,rct5472,scs5637,mpr9284,mvp4022,dij4361,aat0995,mjh,rxn8365,gdr1728,jjm7995,ccm2451,esg5144,ewd5363

#13 occurring address: 216.239.46.166

spr,car,ncs,hpb,cs3,cs4,cs1,icss231,csdept,wfm8778,dxh1031,jaa,afb,abc8518,pga,icss263,irr1449,sxn,vmm,jpa8684,ats,njs8030,amt,mmr,231-grd,jeh,dre9227,csx-grd,rkr,cslab,lac,paw,icss232,cs2,ccm2451,341-grd,jrms,svg1390,cs1-grd,rwd,eh,tjh8300,wrc,anhinga,mjh1697,icsg720,jdb,ptt,tmh,mjh,rsg,ark,jmp9746,jcs5924,akn0473,bjg3240,nch1255,icss234,hxt0072,trc2876,vms3120,kxy6184,spj4251,rpj,rcb9104,mpr9284,sls6076,cxw0106,rro0366,jkl3831,mcg3481,bec2192,jnk8637,scl7094,cdm3791,mxd4716,lwi3690,swz1316,crp9465,yhy6841,jrc0362,bpc5860,srf2754,sja4756,dpm7203,aec2039,ksl7480,smp7886,kjn8626,sjc4866,mgg4494,aj3213,dtk2037,pss2417,sjb6353,wjf9385,csa8815,dck2226,mrs6264,jsg1324,dmb3357,rwt1008,frt0714

,rls6543,sjr1521,jab,ang6829,csh3847,cxm1147,jak5034,cs3319,bmb2063,icss235,mek6721,oam5145,gwj3667,srg1218,mdr9016,byl1828,bjs7527,md3251,dak2255,spm3529,ajr5788,pmc8184,csa1949,imb8999,drh3352,bkj0604,sxm4866,sxl0436,rss5553,rpk4420,maf8113,kbn2060,gap8763,jsb7384,mrd1109,mvp4022,jpb8058,kml4510,nxg6191,dij4361,krb8621,SPB7403,ewo,aat0995,tsm0943,scd1879,tjp1267,jdh3819,atk,baa0784,ifc,evc1822,efg6144,jxb0502,ewd5363,swm

#14 occurring address: 216.239.46.140

ncs,icss334,hpb,csdoc,cs2-grd,cs2,anhinga,mmr,icss231,cslab,jrms,eh,emk3594,cs4,waw,afb,kcl8605,njs8030,jaa,spr,gar8595,icss341,rkr,sxn,ats,pga,jeh,glg5760,cs3,atk,swm,cs1,icss235,icss263,axt9690,sgu4018,cxw0106,bvs4997,jdb,ark,icss351,ptt,kxb4032,sls6076,cs3-grd,scx3971,gck7129,paw,lac,cen0282,icss544,akn0473,jmg,kxy6184,icsg720,mrb6858,rpj,rce9873,dnd9403,tml2825,mdm3513,amk9458,jpa8684,cd441,jdc9088,bxr5159,jmp8060,axk2789,sng5511,bl16037,cxm1147,tan2056,mez8702,jkg9634,nmg1829,sac8371,kxh6049,grd8301,tvn6705,aes2336,jib9640,ffg3183,led0041,ram8009,ajh0995,adl8790,swh9110,mxm3254,dvp2326,gfc7581,jat9360,kge7490,fdn2479,rwd,adb6790,dph1174,ajb1391,dmh7224,jpb8058,abc8518,slj5824,tad4649,eam8920,rtc0400,slr2777,cdg2433,dsm5856,rsc7461,apm9733,cww5940,rkn4233,jmm8340,gab5730,wrc,jaa7104,tdb5818,nxg6191,awh4992,ewd5363,kjn8626,sfa5313,pjv6136,maf8113,jac3787,mkp8819,esb9138,wen2559,cxm1497,cxp7449,kbc4660,gwj3667,ndn7322,mxh0011,sjr1521,mvp4022,icss361,mpr9284,jsb7384,jst1734,erd4819,mpp8195,mdr9016,mrd1109,lx0062,dlm8689,del7479,amt,sjs0640,icss234,gmm1616,jmr7547,mdl9285,baw9095,jmb5063,jxb0502,dtv6770,dxb7413,scd1879,icss233

#15 occurring address: 216.239.46.204

ncs,lac,hpb,csdoc,afb,ptt,icss334,njs8030,wrc,kar,pga,cs0,amt,icss231,ats,anhinga,icss263,spr,cs4,jeh,ics352,mpv,rxg8002,csdept,djh4350,axt8828,jaa,rkr,csx,cxz2509,paw,spm4006,cs3,mmr,fsi2630,jrms,cs2,dpk7386,hxp8813,atk,sls6076,sjr1521,cs1-grd,jdb,cs1,p590-01e,sgu4018,dre9227,jbo5112,dxk3582,dlr1225,jmp9746,mjh1697,rxr2990,maf8113,msm1074,icss456,jsl9020,jco9473,twl1797,kbc4660,rwd,sss6686,dtk2037,jxk6924,mhn5054,mkm0466,sac8371,dpg2099,bsg3433,sls9925,rxk4983,svd5439,bxc2495,shk8974,bcb2708,lxe2883,jaw6099,seh2117,stk9297,slm5989,ams2449,mdf9907,mjr8305,ats3085,mwm4201,mmb5486,mpv9903,omc4527,mxc5943,jmm3077,exb6767,mxj2084,bws0794,jrk3666,fxs0344,lws7636,exr3177,leb4189,ark,ajk8244,asm6855,mbd0240,zpl8666,icss235,jdh3090,tmh,rpj,akn0473,src1504,axk4132,ner9848,amj4510,cxl7607,jxj8963,jkc9915,txl2715

,tjw1881,phm0150,smh7237,axj7140,mdb4562,mrd1109,kaa3496,pmm1626,ajd5356,icss361,mjh,dij43
61,mvp4022,nwh5408,icss234,kxh6049,cac2372,kjd6081,jwh2457,bjr1822,vhc3327,rpt2415,jst5340,jcs2
350,rkn4233,mjc2078,djl1266,jrg0839,icss707,jxb0502,msm5714,mgw6456,ags4764,mpd3564,nxg6191,
sxm3233,swm,sfa4941,p719-01b,jdd5747,njs3983