194.237.142.21 - - [18/Sep/2013:06:49:18 +0000] "GET /wp-content/uploads/2013/07/rstudio-git3.png HTTP/1.1" 304 0 "-" "Mozilla/4.0 (compatible;)"

183.49.46.228 - - [18/Sep/2013:06:49:23 +0000] "-" 400 0 "-" "-"

163.177.71.12 - - [18/Sep/2013:06:49:33 +0000] "HEAD / HTTP/1.1" 200 20 "-" "DNSPod-Monitor/1.0"

163.177.71.12 - - [18/Sep/2013:06:49:36 +0000] "HEAD / HTTP/1.1" 200 20 "-" "DNSPod-Monitor/1.0"

101.226.68.137 - - [18/Sep/2013:06:49:42 +0000] "HEAD / HTTP/1.1" 200 20 "-" "DNSPod-Monitor/1.0"

101.226.68.137 - - [18/Sep/2013:06:49:45 +0000] "HEAD / HTTP/1.1" 200 20 "-" "DNSPod-Monitor/1.0"

60.208.6.156 - - [18/Sep/2013:06:49:48 +0000] "GET /wp-content/uploads/2013/07/rcassandra.png HTTP/1.0" 200 185524 "http://cos.name/category/software/packages/" "Mozilla/5.0 (Windows NT 6.1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/29.0.1547.66 Safari/537.36"

222.68.172.190 - - [18/Sep/2013:06:49:57 +0000] "GET /images/my.jpg HTTP/1.1" 200 19939 "http://www.angularjs.cn/A00n" "Mozilla/5.0 (Windows NT 6.1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/29.0.1547.66 Safari/537.36"

222.68.172.190 - - [18/Sep/2013:06:50:08 +0000] "-" 400 0 "-" "-"

183.195.232.138 - - [18/Sep/2013:06:50:16 +0000] "HEAD / HTTP/1.1" 200 20 "-" "DNSPod-Monitor/1.0"

183.195.232.138 - - [18/Sep/2013:06:50:16 +0000] "HEAD / HTTP/1.1" 200 20 "-" "DNSPod-Monitor/1.0"

66.249.66.84 - - [18/Sep/2013:06:50:28 +0000] "GET /page/6/ HTTP/1.1" 200 27777 "-" "Mozilla/5.0 (compatible; Googlebot/2.1; +http://www.google.com/bot.html)"

221.130.41.168 - - [18/Sep/2013:06:50:37 +0000] "GET /feed/ HTTP/1.1" 304 0 "-" "Mozilla/5.0 (Windows NT 6.1) AppleWebKit/537.36 (KHTML, like Gecko) Chrome/29.0.1547.66 Safari/537.36"

157.55.35.40 - - [18/Sep/2013:06:51:13 +0000] "GET /robots.txt HTTP/1.1" 200 150 "-" "Mozilla/5.0 (compatible; bingbot/2.0; +http://www.bing.com/bingbot.htm)"

50.116.27.194 - - [18/Sep/2013:06:51:35 +0000] "POST /wp-cron.php?doing\_wp\_cron=1379487095.2510800361633300781250 HTTP/1.0" 200 0 "-" "WordPress/3.6; http://blog.fens.me"

58.215.204.118 - - [18/Sep/2013:06:51:35 +0000] "GET /nodejs-socketio-chat/ HTTP/1.1" 200 10818 "http://www.google.com/url?sa=t&rct=j&q=nodejs%20%E5%BC%82%E6%AD%A5%E5%B9%BF%E6%92%AD&source=web&cd=1&cad=rja&ved=0CCgQFjAA&url=%68%74%74%70%3a%2f%2f%62%6c%6f%67%2e%66%65%6e%73%2e%6d%65%2f%6e%6f%64%65%6a%73%2d%73%6f%63%6b%65%74%69%6f%2d%63%68%61%74%2f&ei=rko5UrylAefOiAe7\_IGQBw&usg=AFQjCNG6YWoZsJ\_bSj8kTnMHcH51hYQkAA&bvm=bv.52288139,d.aGc" "Mozilla/5.0 (Windows NT 5.1; rv:23.0) Gecko/20100101 Firefox/23.0"

58.215.204.118 - - [18/Sep/2013:06:51:36 +0000] "GET /wp-includes/js/jquery/jquery-migrate.min.js?ver=1.2.1 HTTP/1.1" 304 0 "http://blog.fens.me/nodejs-socketio-chat/" "Mozilla/5.0 (Windows NT 5.1; rv:23.0) Gecko/20100101 Firefox/23.0"

58.215.204.118 - - [18/Sep/2013:06:51:35 +0000] "GET /wp-includes/js/jquery/jquery.js?ver=1.10.2 HTTP/1.1" 304 0 "http://blog.fens.me/nodejs-socketio-chat/" "Mozilla/5.0 (Windows NT 5.1; rv:23.0) Gecko/20100101 Firefox/23.0"

58.215.204.118 - - [18/Sep/2013:06:51:36 +0000] "GET /wp-includes/js/comment-reply.min.js?ver=3.6 HTTP/1.1" 304 0 "http://blog.fens.me/nodejs-socketio-chat/" "Mozilla/5.0 (Windows NT 5.1; rv:23.0) Gecko/20100101 Firefox/23.0"

58.215.204.118 - - [18/Sep/2013:06:51:36 +0000] "GET /wp-content/uploads/2013/08/chat.png HTTP/1.1" 200 48968 "http://blog.fens.me/nodejs-socketio-chat/" "Mozilla/5.0 (Windows NT 5.1; rv:23.0) Gecko/20100101 Firefox/23.0"

58.215.204.118 - - [18/Sep/2013:06:51:36 +0000] "GET /wp-content/uploads/2013/08/chat2.png HTTP/1.1" 200 59852 "http://blog.fens.me/nodejs-socketio-chat/" "Mozilla/5.0 (Windows NT 5.1; rv:23.0) Gecko/20100101 Firefox/23.0"

58.215.204.118 - - [18/Sep/2013:06:51:37 +0000] "GET /wp-content/uploads/2013/08/socketio.png HTTP/1.1" 200 80493 "http://blog.fens.me/nodejs-socketio-chat/" "Mozilla/5.0 (Windows NT 5.1; rv:23.0) Gecko/20100101 Firefox/23.0"

58.248.178.212 - - [18/Sep/2013:06:51:37 +0000] "GET /nodejs-grunt-intro/ HTTP/1.1" 200 51770 "http://blog.fens.me/series-nodejs/" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; MDDR; InfoPath.2; .NET4.0C)"

58.248.178.212 - - [18/Sep/2013:06:51:40 +0000] "GET /wp-includes/js/jquery/jquery-migrate.min.js?ver=1.2.1 HTTP/1.1" 200 7200 "http://blog.fens.me/nodejs-grunt-intro/" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; MDDR; InfoPath.2; .NET4.0C)"

58.248.178.212 - - [18/Sep/2013:06:51:40 +0000] "GET /wp-includes/js/comment-reply.min.js?ver=3.6 HTTP/1.1" 200 786 "http://blog.fens.me/nodejs-grunt-intro/" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; MDDR; InfoPath.2; .NET4.0C)"

58.248.178.212 - - [18/Sep/2013:06:51:40 +0000] "GET /wp-includes/js/jquery/jquery.js?ver=1.10.2 HTTP/1.1" 200 45307 "http://blog.fens.me/nodejs-grunt-intro/" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; MDDR; InfoPath.2; .NET4.0C)"

58.248.178.212 - - [18/Sep/2013:06:51:40 +0000] "GET /wp-includes/js/jquery/jquery.js?ver=1.10.2 HTTP/1.1" 200 93128 "http://blog.fens.me/nodejs-grunt-intro/" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; MDDR; InfoPath.2; .NET4.0C)"

58.248.178.212 - - [18/Sep/2013:06:51:40 +0000] "GET /wp-includes/js/comment-reply.min.js?ver=3.6 HTTP/1.1" 200 786 "http://blog.fens.me/nodejs-grunt-intro/" "Mozilla/4.0 (compatible; MSIE 8.0; Windows NT 5.1; Trident/4.0; .NET CLR 1.1.4322; .NET CLR 2.0.50727; .NET CLR 3.0.04506.30; .NET CLR 3.0.4506.2152; .NET CLR 3.5.30729; MDDR; InfoPath.2; .NET4.0C)"

58.215.204.118 - - [18/Sep/2013:06:51:41 +0000] "-" 400 0 "-" "-"

58.215.204.118 - - [18/Sep/2013:06:51:41 +0000] "-" 400 0 "-" "-"

WebLogBean（web日志bean类实现）

package com.empire.hadoop.mr.weblogwash;

public class WebLogBean {

private String remote\_addr; // 记录客户端的ip地址

private String remote\_user; // 记录客户端用户名称,忽略属性"-"

private String time\_local; // 记录访问时间与时区

private String request; // 记录请求的url与http协议

private String status; // 记录请求状态；成功是200

private String body\_bytes\_sent;// 记录发送给客户端文件主体内容大小

private String http\_referer; // 用来记录从那个页面链接访问过来的

private String http\_user\_agent;// 记录客户浏览器的相关信息

private boolean valid = true; // 判断数据是否合法

public String getRemote\_addr() {

return remote\_addr;

}

public void setRemote\_addr(String remote\_addr) {

this.remote\_addr = remote\_addr;

}

public String getRemote\_user() {

return remote\_user;

}

public void setRemote\_user(String remote\_user) {

this.remote\_user = remote\_user;

}

public String getTime\_local() {

return time\_local;

}

public void setTime\_local(String time\_local) {

this.time\_local = time\_local;

}

public String getRequest() {

return request;

}

public void setRequest(String request) {

this.request = request;

}

public String getStatus() {

return status;

}

public void setStatus(String status) {

this.status = status;

}

public String getBody\_bytes\_sent() {

return body\_bytes\_sent;

}

public void setBody\_bytes\_sent(String body\_bytes\_sent) {

this.body\_bytes\_sent = body\_bytes\_sent;

}

public String getHttp\_referer() {

return http\_referer;

}

public void setHttp\_referer(String http\_referer) {

this.http\_referer = http\_referer;

}

public String getHttp\_user\_agent() {

return http\_user\_agent;

}

public void setHttp\_user\_agent(String http\_user\_agent) {

this.http\_user\_agent = http\_user\_agent;

}

public boolean isValid() {

return valid;

}

public void setValid(boolean valid) {

this.valid = valid;

}

@Override

public String toString() {

StringBuilder sb = new StringBuilder();

sb.append(this.valid);

sb.append("\001").append(this.remote\_addr);

sb.append("\001").append(this.remote\_user);

sb.append("\001").append(this.time\_local);

sb.append("\001").append(this.request);

sb.append("\001").append(this.status);

sb.append("\001").append(this.body\_bytes\_sent);

sb.append("\001").append(this.http\_referer);

sb.append("\001").append(this.http\_user\_agent);

return sb.toString();

}

}

WebLogParser（日志清洗规则类）

package com.empire.hadoop.mr.weblogwash;

import java.text.ParseException;

import java.text.SimpleDateFormat;

import java.util.Date;

import java.util.Locale;

public class WebLogParser {

static SimpleDateFormat sd1 = new SimpleDateFormat("dd/MMM/yyyy:HH:mm:ss", Locale.US);

static SimpleDateFormat sd2 = new SimpleDateFormat("yyyy-MM-dd HH:mm:ss");

public static WebLogBean parser(String line) {

WebLogBean webLogBean = new WebLogBean();

String[] arr = line.split(" ");

if (arr.length > 11) {

webLogBean.setRemote\_addr(arr[0]);

webLogBean.setRemote\_user(arr[1]);

webLogBean.setTime\_local(parseTime(arr[3].substring(1)));

webLogBean.setRequest(arr[6]);

webLogBean.setStatus(arr[8]);

webLogBean.setBody\_bytes\_sent(arr[9]);

webLogBean.setHttp\_referer(arr[10]);

if (arr.length > 12) {

webLogBean.setHttp\_user\_agent(arr[11] + " " + arr[12]);

} else {

webLogBean.setHttp\_user\_agent(arr[11]);

}

if (Integer.parseInt(webLogBean.getStatus()) >= 400) {// 大于400，HTTP错误

webLogBean.setValid(false);

}

} else {

webLogBean.setValid(false);

}

return webLogBean;

}

public static String parseTime(String dt) {

String timeString = "";

try {

Date parse = sd1.parse(dt);

timeString = sd2.format(parse);

} catch (ParseException e) {

e.printStackTrace();

}

return timeString;

}

public static void main(String[] args) {

WebLogParser wp = new WebLogParser();

String parseTime = wp.parseTime("18/Sep/2013:06:49:48");

System.out.println(parseTime);

}

}

package com.empire.hadoop.mr.weblogwash;

import java.io.IOException;

import org.apache.hadoop.conf.Configuration;

import org.apache.hadoop.fs.Path;

import org.apache.hadoop.io.LongWritable;

import org.apache.hadoop.io.NullWritable;

import org.apache.hadoop.io.Text;

import org.apache.hadoop.mapreduce.Job;

import org.apache.hadoop.mapreduce.Mapper;

import org.apache.hadoop.mapreduce.lib.input.FileInputFormat;

import org.apache.hadoop.mapreduce.lib.output.FileOutputFormat;

public class WeblogPreProcess {

static class WeblogPreProcessMapper extends Mapper<LongWritable, Text, Text, NullWritable> {

Text k = new Text();

NullWritable v = NullWritable.get();

@Override

protected void map(LongWritable key, Text value, Context context) throws IOException, InterruptedException {

String line = value.toString();

WebLogBean webLogBean = WebLogParser.parser(line);

//可以插入一个静态资源过滤（.....）

/\* WebLogParser.filterStaticResource(webLogBean); \*/

if (!webLogBean.isValid())

return;

k.set(webLogBean.toString());

context.write(k, v);

}

}

public static void main(String[] args) throws Exception {

Configuration conf = new Configuration();

Job job = Job.getInstance(conf);

job.setJarByClass(WeblogPreProcess.class);

job.setMapperClass(WeblogPreProcessMapper.class);

job.setOutputKeyClass(Text.class);

job.setOutputValueClass(NullWritable.class);

FileInputFormat.setInputPaths(job, new Path(args[0]));

FileOutputFormat.setOutputPath(job, new Path(args[1]));

job.waitForCompletion(true);

}

}

执行程序

#上传jar

Alt+p

lcd d:/

put WeblogWash.jar

put access.log.txt

#准备hadoop处理的数据文件

cd /home/hadoop

hadoop fs -mkdir -p /weblogwash/loginput

hdfs dfs -put access.log.txt /weblogwash/loginput

#运行程序

hadoop jar WeblogWash.jar com.empire.hadoop.mr.weblogwash.WeblogPreProcess /weblogwash/loginput /weblogwash/logoutput

运行效果

[hadoop@centos-aaron-h1 ~]$ hadoop jar WeblogWash.jar com.empire.hadoop.mr.weblogwash.WeblogPreProcess /weblogwash/loginput /weblogwash/logoutput

18/12/23 07:46:35 INFO client.RMProxy: Connecting to ResourceManager at centos-aaron-h1/192.168.29.144:8032

18/12/23 07:46:35 WARN mapreduce.JobResourceUploader: Hadoop command-line option parsing not performed. Implement the Tool interface and execute your application with ToolRunner to remedy this.

18/12/23 07:46:35 INFO input.FileInputFormat: Total input files to process : 1

18/12/23 07:46:35 INFO mapreduce.JobSubmitter: number of splits:1

18/12/23 07:46:35 INFO Configuration.deprecation: yarn.resourcemanager.system-metrics-publisher.enabled is deprecated. Instead, use yarn.system-metrics-publisher.enabled

18/12/23 07:46:36 INFO mapreduce.JobSubmitter: Submitting tokens for job: job\_1545512861141\_0003

18/12/23 07:46:36 INFO impl.YarnClientImpl: Submitted application application\_1545512861141\_0003

18/12/23 07:46:36 INFO mapreduce.Job: The url to track the job: http://centos-aaron-h1:8088/proxy/application\_1545512861141\_0003/

18/12/23 07:46:36 INFO mapreduce.Job: Running job: job\_1545512861141\_0003

18/12/23 07:46:43 INFO mapreduce.Job: Job job\_1545512861141\_0003 running in uber mode : false

18/12/23 07:46:43 INFO mapreduce.Job: map 0% reduce 0%

18/12/23 07:46:51 INFO mapreduce.Job: map 100% reduce 0%

18/12/23 07:46:56 INFO mapreduce.Job: map 100% reduce 100%

18/12/23 07:46:57 INFO mapreduce.Job: Job job\_1545512861141\_0003 completed successfully

18/12/23 07:46:58 INFO mapreduce.Job: Counters: 49

File System Counters

FILE: Number of bytes read=1843125

FILE: Number of bytes written=4080159

FILE: Number of read operations=0

FILE: Number of large read operations=0

FILE: Number of write operations=0

HDFS: Number of bytes read=3025884

HDFS: Number of bytes written=1799829

HDFS: Number of read operations=6

HDFS: Number of large read operations=0

HDFS: Number of write operations=2

Job Counters

Launched map tasks=1

Launched reduce tasks=1

Data-local map tasks=1

Total time spent by all maps in occupied slots (ms)=5806

Total time spent by all reduces in occupied slots (ms)=3342

Total time spent by all map tasks (ms)=5806

Total time spent by all reduce tasks (ms)=3342

Total vcore-milliseconds taken by all map tasks=5806

Total vcore-milliseconds taken by all reduce tasks=3342

Total megabyte-milliseconds taken by all map tasks=5945344

Total megabyte-milliseconds taken by all reduce tasks=3422208

Map-Reduce Framework

Map input records=14619

Map output records=13535

Map output bytes=1807907

Map output materialized bytes=1843125

Input split bytes=127

Combine input records=0

Combine output records=0

Reduce input groups=13017

Reduce shuffle bytes=1843125

Reduce input records=13535

Reduce output records=13535

Spilled Records=27070

Shuffled Maps =1

Failed Shuffles=0

Merged Map outputs=1

GC time elapsed (ms)=217

CPU time spent (ms)=3510

Physical memory (bytes) snapshot=346947584

Virtual memory (bytes) snapshot=1694277632

Total committed heap usage (bytes)=142786560

Shuffle Errors

BAD\_ID=0

CONNECTION=0

IO\_ERROR=0

WRONG\_LENGTH=0

WRONG\_MAP=0

WRONG\_REDUCE=0

File Input Format Counters

Bytes Read=3025757

File Output Format Counters

Bytes Written=1799829

[hadoop@centos-aaron-h1 ~]$

运行结果

[hadoop@centos-aaron-h1 ~]$ hdfs dfs -cat /weblogwash/logoutput/part-r-00000

true1.162.203.134-2013-09-18 13:47:35/images/my.jpg20019939"http://www.angularjs.cn/A0d9""Mozilla/5.0 (Windows

true1.202.186.37-2013-09-18 15:39:11/wp-content/uploads/2013/08/windjs.png20034613"http://cnodejs.org/topic/521a30d4bee8d3cb1272ac0f""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:18/nodejs-async-windjs/20010139"http://cnodejs.org/topic/521a30d4bee8d3cb1272ac0f""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:18/wp-content/themes/silesia/functions/css/shortcodes.css2002899"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:18/wp-content/themes/silesia/functions/js/shortcode.js200333"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:18/wp-content/themes/silesia/js/jquery.cycle.all.min.js2007784"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:18/wp-content/themes/silesia/js/load.js200715"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:18/wp-content/themes/silesia/style.css2007554"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:18/wp-includes/js/comment-reply.min.js?ver=3.6200786"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:18/wp-includes/js/jquery/jquery-migrate.min.js?ver=1.2.12007200"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:18/wp-includes/js/jquery/jquery.js?ver=1.10.220032851"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/js/baidu.js200249"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/js/google.js200475"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/wp-content/themes/silesia/images/bullets/5.gif20062"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/wp-content/themes/silesia/images/crubms-div.png2001255"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/wp-content/themes/silesia/images/home-ico.png2001103"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/wp-content/themes/silesia/images/ico-meta.gif20073"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/wp-content/themes/silesia/images/natty-logo.png2001438"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/wp-content/themes/silesia/images/slide-bg.png200934"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/wp-content/themes/silesia/images/sprites/post-type.png2002009"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/wp-content/uploads/2013/08/stage1.png20010208"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/wp-content/uploads/2013/08/stage2.png20016419"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:19/wp-content/uploads/2013/08/stage3.png20015227"http://blog.fens.me/nodejs-async-windjs/""Mozilla/5.0 (Macintosh;

true1.202.186.37-2013-09-18 15:39:20/wp-content/uploads/2013/05/favicon.ico2001150"-""Mozilla/5.0 (Macintosh;

[hadoop@centos-aaron-h1 ~]$