



# Workshop with log

# Install log generator

```
$npm install -g makelogs
```

<https://www.npmjs.com/package/makelogs>

# Log generator

```
$makelogs --count=1000 --days=-5,0 --host=localhost:9200
```



<b>logstash-2015.01.27</b> size: 241ki (241ki) docs: 154 (154) <a href="#">Info</a> <a href="#">Actions</a>	<b>logstash-2015.01.28</b> size: 280ki (280ki) docs: 186 (186) <a href="#">Info</a> <a href="#">Actions</a>	<b>logstash-2015.01.29</b> size: 247ki (247ki) docs: 160 (160) <a href="#">Info</a> <a href="#">Actions</a>	<b>logstash-2015.01.30</b> size: 256ki (256ki) docs: 168 (168) <a href="#">Info</a> <a href="#">Actions</a>	<b>logstash-2015.01.31</b> size: 285ki (285ki) docs: 189 (189) <a href="#">Info</a> <a href="#">Actions</a>	<b>logstash-2015.02.01</b> size: 14.2ki (14.2ki) docs: 1 (1) <a href="#">Info</a> <a href="#">Actions</a>
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<https://www.npmjs.com/package/makelogs>

# Example data

```
{
  "_index": "logstash-2014.06.17",
  "_type": "nginx",
  "_id": "706786",
  "_score": 11.412156,
  "_source": {
    "index": "logstash-2014.06.17",
    "@timestamp": "2014-06-17T17:00:27.053Z",
    "ip": "225.27.202.82",
    "extension": "html",
    "response": "200",
    "geo": {
      "coordinates": [
        44.23107,
        -94.99893444
      ],
      "src": "IM",
      "dest": "PK",
      "srcdest": "IM:PK"
    },
    "@tags": [
      "error",
      "info"
    ],
    "utc_time": "2014-06-17T17:00:27.053Z",
    "referer": "http://nytimes.com/error/gemini-11",
    "agent": "Mozilla/5.0 (X11; Linux x86_64; rv:6.0a1) Gecko/20110421 Firefox/6.",
    "clientip": "225.27.202.82",
    "bytes": 5108.1583889899775,
    "request": "/ivan-bella.html",
    "@message": "225.27.202.82 - - [2014-06-17T17:00:27.053Z] \"GET /ivan-bella.h",
    "spaces": "this is a thing with lots of spaces      wwwwoooooo",
    "xss": "<script>console.log(\"xss\")</script>",
    "headings": [
      "<h3>robert-satcher</h5>",
      "http://twitter.com/success/scott-altman"
    ]
  }
}
```

# Discover data

The screenshot displays the Elastic Stack Discover interface. The top navigation bar includes 'Discover', 'Visualize', 'Dashboard', and 'Settings'. A search bar is located on the left side of the top bar. Below the navigation bar, the left sidebar shows 'Selected Fields' with a list of fields including `_source`, `@timestamp`, `@message`, `@tags`, `_id`, `_index`, `_type`, `agent`, `bytes`, `clientip`, `extension`, `geo.coordinates`, `geo.dest`, and `geo.src`. The main content area is titled 'New Saved Search' and shows a list of 2001 hits. The first four hits are displayed, each with a list of fields and their values.

Selected Fields

- `_source`

Fields

Popular fields

- `@timestamp`
- `@message`
- `@tags`
- `_id`
- `_index`
- `_type`
- `agent`
- `bytes`
- `clientip`
- `extension`
- `geo.coordinates`
- `geo.dest`
- `geo.src`

New Saved Search 2001 hits

`_source`

- `index:` logstash-2015.01.26 `@timestamp:` January 26th 2015, 18:49:36.385 `ip:` 151.73.79.213 `extension:` jpg `response:` 200 `geo.coordinates:` {"lat":68.34877417,"lon":-166.7993086} `geo.src:` US `geo.dest:` CN `geo.srcdest:` US:CN `@tags:` ["success","security"] `utc_time:` January 26th 2015, 18:49:36.385 `referer:` http://www.slate.com/success/vladimir-lyakhov `agent:` Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4322) `clientip:` 151.73.79.213 `bytes:` 7190 `host:` media-for-the-masses.theacademyofperformingartsandscience.org `request:` /uploads/dick-scobee.jpg `url:` https://media-for-the-ma
- `index:` logstash-2015.01.26 `@timestamp:` January 26th 2015, 15:19:11.761 `ip:` 63.162.243.0 `extension:` jpg `response:` 200 `geo.coordinates:` {"lat":35.27175278,"lon":-91.27040417} `geo.src:` IN `geo.dest:` NP `geo.srcdest:` IN:NP `@tags:` ["warning","login"] `utc_time:` January 26th 2015, 15:19:11.761 `referer:` http://www.slate.com/success/garrett-reisman `agent:` Mozilla/5.0 (X11; Linux i686) AppleWebKit/534.24 (KHTML, like Gecko) Chrome/11.0.696.50 Safari/534.24 `clientip:` 63.162.243.0 `bytes:` 8386 `host:` media-for-the-masses.theacademyofperformingartsandscience.org `request:` /uploads/james-mcdivitt.jpg
- `index:` logstash-2015.01.26 `@timestamp:` January 26th 2015, 18:00:33.885 `ip:` 177.214.239.73 `extension:` css `response:` 200 `geo.coordinates:` {"lat":44.4937825,"lon":-116.0162422} `geo.src:` RU `geo.dest:` PE `geo.srcdest:` RU:PE `@tags:` ["success","info"] `utc_time:` January 26th 2015, 18:00:33.885 `referer:` http://facebook.com/success/boris-morukov `agent:` Mozilla/4.0 (compatible; MSIE 6.0; Windows NT 5.1; SV1; .NET CLR 1.1.4322) `clientip:` 177.214.239.73 `bytes:` 7054 `host:` cdn.theacademyofperformingartsandscience.org `request:` /styles/main.css `url:` https://cdn.theacademyofperformingartsandscience.or
- `index:` logstash-2015.01.26 `@timestamp:` January 27th 2015, 02:59:41.219 `ip:` 26.17.252.29 `extension:` jpg `response:` 200 `geo.coordinates:` {"lat":31.88098556,"lon":-106.7048131} `geo.src:` IN `geo.dest:` CN `geo.srcdest:` IN:CN `@tags:` ["succes

# Try with kibana

