

# Adding Geo-coordinates to an index

To Add Geocoordinates to an index, use


```
curl -XPUT http://localhost:9200/syslog-2015.05.18 -d '{
  "mappings" : {
    "log" : {
      "properties" : {
        "geo" : {
          "properties" : {
            "coordinates" : {
              "type" : "geo_point"
            }
          }
        }
      }
    }
  }
}
```

Of course, the "syslog-2015.05.18" is variable from installation to installation, I do put Apache logs into the filebeat index.



With ELK 5 Stack (Logstash 5.X), Geo coordinates uses the GeoLite2 database, not version 1 - find v2 at <http://dev.maxmind.com/geoip/geoip2/geolite2/>

When You have data in with Geo-coordinates, refresh index fields:

Fields (50)    Scripted fields (0)    Source filters (0)					
name ↕	type ↕	format ↕	searchable ⓘ ↕	aggregatable ⓘ ↕	
geo.coordinates	geo_point		✓	✓	
source	string		✓	✓	
meta.cloud.instance_id	string				
type	string		✓	✓	
meta.cloud.availability_zone	string				
meta.cloud.region	string				
beat.version	string				
offset	number		✓	✓	
input_type	string		✓	✓	
message	string		✓		
meta.cloud.provider	string				
meta.cloud.machine_type	string				
tags	string		✓	✓	
beat.name	string		✓	✓	
beat.hostname	string		✓	✓	
meta.cloud.project_id	string				
@timestamp 	date	Date	✓	✓	
_source	_source				
request	string		✓	✓	
agent	string		✓	✓	
auth	string		✓	✓	
ident	string		✓	✓	
clientip	string		✓	✓	
@version	string		✓	✓	
host	string		✓	✓	