

Elastic Search 安装部署注意事项

作者: [linyiheng](#)

原文链接: <https://ld246.com/article/1504681581779>

来源网站: [链滴](#)

许可协议: [署名-相同方式共享 4.0 国际 \(CC BY-SA 4.0\)](#)

ES启动: bin/elasticsearch -d

ES关闭:

```
ps -ef | grep elastic
```

让全网访问elasticsearch

修改elasticsearch.yml

将network.host设置为0.0.0.0

问题二: ERROR: bootstrap checks failed

max file descriptors [4096] for elasticsearch process likely too low, increase to at least [65536]

max number of threads [1024] for user [lishang] likely too low, increase to at least [2048]

解决: 切换到root用户, 编辑limits.conf 添加类似如下内容

```
vi /etc/security/limits.conf
```

添加如下内容:

- soft nofile 65536
- hard nofile 131072
- soft nproc 2048
- hard nproc 4096

问题三: max number of threads [1024] for user [lish] likely too low, increase to at least [2048]

解决: 切换到root用户, 进入limits.d目录下修改配置文件。

```
vi /etc/security/limits.d/90-nproc.conf
```

修改如下内容:

- soft nproc 1024
- #修改为
- soft nproc 2048

问题四: max virtual memory areas vm.max_map_count [65530] likely too low, increase to at least [262144]

解决: 切换到root用户修改配置sysctl.conf

```
vi /etc/sysctl.conf
```

添加下面配置:

```
vm.max_map_count=655360
```

并执行命令:

```
sysctl -p
```

注意: jvm.options

```
-Xms512m
```

```
-Xmx512m
```

需要一致

ES更新Mapping,

1. curl -XPUT localhost:9200/my_index/my_type/_mapping -d '

2. {

3.

```
"my_type": {
```

4.

```
  "properties": {
```

5.

```
    "created": {
```

6.

```
      "type": "multi_field",
```

7.

```
      "fields": {
```

8.

```
        "created": { "type": "string" },
```

9.

```
        "date": { "type": "date" } 
```

10.

```
      } 
```

11.

```
    } 
```

12.

```
  } 
```

13.

```
}
```

14. }

新建Mapping:

http://172.31.20.50/apm_collector_3 PUT

```
{
  "settings": {
    "index": {
      "number_of_shards": 3,
      "number_of_replicas": 1
    }
  }
}
```

新建

http://172.31.20.50/apm_collector_3/raw_http_transaction/_mapping?pretty

```
{
  "raw_http_transaction": {
    "properties": {
      "app_data": {
        "type": "text",
        "fields": {
          "keyword": {
            "type": "keyword",
            "ignore_above": 256
          }
        }
      },
      "app_id": {
        "type": "long"
      },
      "bytes_received": {
        "type": "long"
      },
      "bytes_sent": {
        "type": "long"
      },
      "create_time": {
        "type": "date"
      }
    }
  }
}
```

```
,
"device_id": {
  "type": "text",
  "fields": {
    "keyword": {
      "type": "keyword",
      "ignore_above": 256
    }
  }
},
"error_code": {
  "type": "long"
},
"http_method": {
  "type": "text",
  "fields": {
    "keyword": {
      "type": "keyword",
      "ignore_above": 256
    }
  }
},
"remote_ip": {
  "type": "text",
  "fields": {
    "keyword": {
      "type": "keyword",
      "ignore_above": 256
    }
  }
},
"session_id": {
  "type": "text",
  "fields": {
    "keyword": {
      "type": "keyword",
      "ignore_above": 256
    }
  }
}
```

```
}
}
},
"stats_app_version": {
  "type": "text",
  "fields": {
    "keyword": {
      "type": "keyword",
      "ignore_above": 256
    }
  }
},
"stats_area": {
  "type": "text",
  "fields": {
    "keyword": {
      "type": "keyword",
      "ignore_above": 256
    }
  }
},
"stats_carrier": {
  "type": "text",
  "fields": {
    "keyword": {
      "type": "keyword",
      "ignore_above": 256
    }
  }
},
"stats_country": {
  "type": "text",
  "fields": {
    "keyword": {
      "type": "keyword",
      "ignore_above": 256
    }
  }
}
```

```
}  
,  
"stats_device_model": {  
  "type": "text",  
  "fields": {  
    "keyword": {  
      "type": "keyword",  
      "ignore_above": 256  
    }  
  }  
,  
"stats_host": {  
  "type": "text",  
  "fields": {  
    "keyword": {  
      "type": "keyword",  
      "ignore_above": 256  
    }  
  }  
,  
"stats_os_version": {  
  "type": "text",  
  "fields": {  
    "keyword": {  
      "type": "keyword",  
      "ignore_above": 256  
    }  
  }  
,  
"stats_url_path": {  
  "type": "text",  
  "fields": {  
    "keyword": {  
      "type": "keyword",  
      "ignore_above": 256  
    }  
  }  
}
```

```
},
"stats_wan_type": {
  "type": "text",
  "fields": {
    "keyword": {
      "type": "keyword",
      "ignore_above": 256
    }
  }
},
"status_code": {
  "type": "long"
},
"total_time": {
  "type": "float"
},
"url": {
  "type": "text",
  "fields": {
    "keyword": {
      "type": "keyword",
      "ignore_above": 256
    }
  }
}
}
```