ElasticSearch部署手册

1. 程序包结构说明：

*对部署包目录进行简要介绍，对部署时涉及的重要文件做简要说明：*

*data-pump 程序包*

|  |  |
| --- | --- |
| /bin | 包含程序脚本文件 |
| /bin/ elasticsearch | 程序启动脚本 |
| /bin/plugin | 插件管理 |
| /lib | 包含程序依赖jar包 |
| /config | 程序配置文件目录 |
| /config/elasticsearch.yml | 程序主要配置文件 |

2. 环境要求

*对系统环境要求做简要说明：*

|  |  |
| --- | --- |
| 软件环境 | JDK8 |
| 运行用户 | 遵循运维规划 |

3. ElasticSearch部署说明

**3.1 部署步骤**

1. 添加环境变量JAVA\_HOME

2. 解压安装包

3. 修改配置文件（具体见下）

4. 启动程序

5. 验证占用端口9200，9300

6. 同样的步骤安装其他节点，一共4个节点

7. 在其中一个节点安装head插件

8. 验证办公网访问head页面

9. 迁移数据（https://www.elastic.co/guide/en/elasticsearch/reference/2.3/modules-snapshots.html）

**3.2 启动命令**

bin/elasticsearch

**3.3 安装head插件**

安装命令

bin/plugin -install mobz/elasticsearch-head

验证安装成功

curl "http://localhost:9200/\_plugin/head/"

**3.4 配置文件**

有括号说明的，表示要根据实际情况调整配置内容

#

# Use a descriptive name for your cluster:

#

cluster.name: monitor

#

# ------------------------------------ Node ------------------------------------

#

# Use a descriptive name for the node:

#

node.name: bigdata-computing-01-008（可以设置为机器名）

#

# Add custom attributes to the node:

#

node.rack: r1

#

# ----------------------------------- Paths ------------------------------------

#

# Path to directory where to store the data (separate multiple locations by comma):

#

path.data: /home/elastic/elasticsearch-2.3.3/data/ （es目录下的data目录）

#

# Path to log files:

#

path.logs: /home/elastic/elasticsearch-2.3.3/logs/ （es目录下的logs目录）

#

# ----------------------------------- Memory -----------------------------------

#

# Lock the memory on startup:

#

bootstrap.mlockall: true

#

# Make sure that the `ES\_HEAP\_SIZE` environment variable is set to about half the memory

# available on the system and that the owner of the process is allowed to use this limit.

#

# Elasticsearch performs poorly when the system is swapping the memory.

#

# ---------------------------------- Network -----------------------------------

#

# Set the bind address to a specific IP (IPv4 or IPv6):

#

network.host: 10.10.1.8 （绑定的ip地址，也可以设置为0.0.0.0）

#

# Set a custom port for HTTP:

#

http.port: 9200

#

# For more information, see the documentation at:

# <http://www.elastic.co/guide/en/elasticsearch/reference/current/modules-network.html>

#

# --------------------------------- Discovery ----------------------------------

#

# Pass an initial list of hosts to perform discovery when new node is started:

# The default list of hosts is ["127.0.0.1", "[::1]"]

#

discovery.zen.ping.unicast.hosts: ["10.10.1.6", "10.10.1.7","10.10.1.8","10.10.1.9"] （所有的es的内网ip）

#

# Prevent the "split brain" by configuring the majority of nodes (total number of nodes / 2 + 1):

#

discovery.zen.minimum\_master\_nodes: 3

#

# For more information, see the documentation at:

# <http://www.elastic.co/guide/en/elasticsearch/reference/current/modules-discovery.html>

#

# ---------------------------------- Gateway -----------------------------------

#

# Block initial recovery after a full cluster restart until N nodes are started:

#

gateway.recover\_after\_nodes: 3

#

# For more information, see the documentation at:

# <http://www.elastic.co/guide/en/elasticsearch/reference/current/modules-gateway.html>

#

# ---------------------------------- Various -----------------------------------

#

# Disable starting multiple nodes on a single system:

#

node.max\_local\_storage\_nodes: 1

#

# Require explicit names when deleting indices:

#

action.destructive\_requires\_name: true