ES-cluster

A 3 maquines amb centOS 7.x

IP en aquest exemple: 172.20.16.194, 172.20.16.195, 172.20.16.198

Les màquines s’han de veure

|  |
| --- |
| # firewall-cmd --add-rich-rule='rule family="ipv4" source address="172.20.16.0/24" accept' |

a) instal.lem java 1.8

|  |
| --- |
| # wget --no-cookies --no-check-certificate --header "Cookie: gpw\_e24=http%3A%2F%2Fwww.oracle.com%2F; oraclelicense=accept-securebackup-cookie" "http://download.oracle.com/otn-pub/java/jdk/8u73-b02/jdk-8u73-linux-x64.rpm"  # yum -y localinstall jdk-8u73-linux-x64.rpm |

b) instal.lem elasticsearch

|  |
| --- |
| rpm --import http://packages.elastic.co/GPG-KEY-elasticsearch |

|  |
| --- |
| [root@el1 ~]# cat /etc/yum.repos.d/elasticsearch.repo  [elasticsearch-5.x]  name=Elasticsearch repository for 5.x packages  baseurl=https://artifacts.elastic.co/packages/5.x/yum  gpgcheck=1  gpgkey=https://artifacts.elastic.co/GPG-KEY-elasticsearch  enabled=1  autorefresh=1  type=rpm-md  [root@el1 ~]# |

|  |
| --- |
| # yum -y install elasticsearch |

c) configurem el cluster d'elasticsearch

editem el fitxer de config:

|  |
| --- |
| vi /etc/elasticsearch/elasticsearch.yml |

On posem els valors:

|  |
| --- |
| network.host: [172.20.16.x, \_local\_]  cluster.name: sit-elk  node.name: ${HOSTNAME}  discovery.zen.ping.unicast.hosts: ["172.20.16.198", "172.20.16.194", "172.20.16.195"] |

Hi haura mes coses a configurar, pero esperem a veure si el cluster funciona

Com son nodes vm amb poca ram (1Gb) cal configurar una opcio :

|  |
| --- |
| [root@el1 ~]# grep ES\_JAVA\_OPT /etc/sysconfig/elasticsearch  ES\_JAVA\_OPTS="-Xms512m -Xmx512m"  [root@el1 ~]# |

d) engeguem elasticsearch als nodes

|  |
| --- |
| systemctl enable elasticsearch  systemctl start elasticsearch |

e) Comprovem a qualsevol dels tres servers:

|  |
| --- |
| curl -XGET 'http://localhost:9200/\_cluster/state?pretty'  [root@el1 ~]# curl -XGET 'http://localhost:9200/\_cluster/state?pretty'  {  "cluster\_name" : "sit-elk",  "version" : 4,  "state\_uuid" : "zH7a0qvEQpOT7KbNhOx4OQ",  "master\_node" : "Ky5TWiU8SHWOUKpjDkeuHA",  "blocks" : { },  "nodes" : {  "H2VlYN2kT1mWwHmoVjDZYg" : {  "name" : "el1",  "transport\_address" : "172.20.16.195:9300",  "attributes" : { }  },  "RKW16OtjR6-1Y-w9DR0Hmg" : {  "name" : "el2",  "transport\_address" : "172.20.16.194:9300",  "attributes" : { }  },  "Ky5TWiU8SHWOUKpjDkeuHA" : {  "name" : "el3",  "transport\_address" : "172.20.16.198:9300",  "attributes" : { }  }  },  "metadata" : {  "cluster\_uuid" : "lqRS8nNmR\_OOENvqxyQAlA",  "templates" : { },  "indices" : { }  },  "routing\_table" : {  "indices" : { }  },  "routing\_nodes" : {  "unassigned" : [ ],  "nodes" : {  "Ky5TWiU8SHWOUKpjDkeuHA" : [ ],  "RKW16OtjR6-1Y-w9DR0Hmg" : [ ],  "H2VlYN2kT1mWwHmoVjDZYg" : [ ]  }  }  } |

f) un cop ja hem comprovat que el cluster funciona podem seguir configurant-lo.

Per clusters ES ‘petits’ tots els nodes fan de data i de master, per clusters més grans es poden separar papers i tenir master nodes i data nodes.