ZOOKEEPER（伪）集群环境搭建

一、环境准备

LINUX（CENT OS 7）、JRE1.6以上

1. 文件准备

在Apache zookeeper官网下载最新稳定版本zookeeper3.4.11.tar.gz，放在服务器应用目录下即可

1. 搭建流程
2. 将zookeeper.tar.gz解压缩并重命名文件夹为zookeeper01，然后将此文件夹复制两份，并分别重命名为zookeeper02,zookeeper03
3. 分别进入这三个zookeeper目录中的conf子目录下，将zoo\_example.cfg复制一份并将文件重命名为zoo.cfg
4. 分别改写三个zoo.cfg文件内容，内容如下（红色部分为修改项）：

|  |
| --- |
| Zookeeper01 |
| # The number of milliseconds of each tick  tickTime=2000  # The number of ticks that the initial  # synchronization phase can take  initLimit=10  # The number of ticks that can pass between  /bin/bash: q: command not found  syncLimit=5  # the directory where the snapshot is stored.  # do not use /tmp for storage, /tmp here is just  # example sakes.  dataDir=/usr/local/zookeeper/zoo01/data  dataLogDir =/usr/local/zookeeper/zoo01/log  # the port at which the clients will connect  clientPort=2181  # the maximum number of client connections.  # increase this if you need to handle more clients  #maxClientCnxns=60  #  # Be sure to read the maintenance section of the  # administrator guide before turning on autopurge.  #  # http://zookeeper.apache.org/doc/current/zookeeperAdmin.html#sc\_maintenance  #  # The number of snapshots to retain in dataDir  #autopurge.snapRetainCount=3  # Purge task interval in hours  # Set to "0" to disable auto purge feature  #autopurge.purgeInterval=1  server.1=localhost:2287:3387  server.2=localhost:2288:3388  server.3=localhost:2289:3389 |
| Zookeeper02 |
| # The number of milliseconds of each tick  tickTime=2000  # The number of ticks that the initial  # synchronization phase can take  initLimit=10  # The number of ticks that can pass between  /bin/bash: q: command not found  syncLimit=5  # the directory where the snapshot is stored.  # do not use /tmp for storage, /tmp here is just  # example sakes.  dataDir=/usr/local/zookeeper/zoo02/data  dataLogDir =/usr/local/zookeeper/zoo02/log  # the port at which the clients will connect  clientPort=2182  # the maximum number of client connections.  # increase this if you need to handle more clients  #maxClientCnxns=60  #  # Be sure to read the maintenance section of the  # administrator guide before turning on autopurge.  #  # http://zookeeper.apache.org/doc/current/zookeeperAdmin.html#sc\_maintenance  #  # The number of snapshots to retain in dataDir  #autopurge.snapRetainCount=3  # Purge task interval in hours  # Set to "0" to disable auto purge feature  #autopurge.purgeInterval=1  server.1=localhost:2287:3387  server.2=localhost:2288:3388  server.3=localhost:2289:3389 |
| Zookeeper03 |
| # The number of milliseconds of each tick  tickTime=2000  # The number of ticks that the initial  # synchronization phase can take  initLimit=10  # The number of ticks that can pass between  /bin/bash: q: command not found  syncLimit=5  # the directory where the snapshot is stored.  # do not use /tmp for storage, /tmp here is just  # example sakes.  dataDir=/usr/local/zookeeper/zoo03/data  dataLogDir =/usr/local/zookeeper/zoo03/log  # the port at which the clients will connect  clientPort=2183  # the maximum number of client connections.  # increase this if you need to handle more clients  #maxClientCnxns=60  #  # Be sure to read the maintenance section of the  # administrator guide before turning on autopurge.  #  # http://zookeeper.apache.org/doc/current/zookeeperAdmin.html#sc\_maintenance  #  # The number of snapshots to retain in dataDir  #autopurge.snapRetainCount=3  # Purge task interval in hours  # Set to "0" to disable auto purge feature  #autopurge.purgeInterval=1  server.1=localhost:2287:3387  server.2=localhost:2288:3388  server.3=localhost:2289:3389 |

1. 在Linux：/usr/local 目录下新建三个目录：

|  |
| --- |
| /usr/zookeeper/zoo01/data  /usr/zookeeper/zoo02/data  /usr/zookeeper/zoo03/data |

在这三个目录下分别新建文件myid,并在每个myid文件中添加数字：

|  |
| --- |
| /usr/zookeeper/zoo01/data/myid文件内容如下： |
| 1 |
| /usr/zookeeper/zoo02/data/myid文件内容如下： |
| 2 |
| /usr/zookeeper/zoo03/data/myid文件内容如下： |
| 3 |

1. 分别在zookeeper01、zookeeper02、zookeeper03下的bin目录下运行如下命令：

|  |
| --- |
| ./zkServer.sh start |

1. 三个服务启动后，可使用如下命令查看状态：

|  |
| --- |
| ./zkServer.sh statust |