

Kafka 的下载

1、 下载地址

<http://archive.apache.org/dist/kafka/2.3.0/>

图灵课堂

Index of /dist/kafka/2.3.0

Name	Last modified	Size	Description
 Parent Directory		-	
 javadoc/	2019-06-25 00:38	-	
 RELEASE NOTES.html	2019-06-25 00:38	24K	
 RELEASE NOTES.html.asc	2019-06-25 00:38	862	
 RELEASE NOTES.html.md5	2019-06-25 00:38	69	
 RELEASE NOTES.html.shal	2019-06-25 00:38	71	
 RELEASE NOTES.html.sha512	2019-06-25 00:38	204	
 kafka-2.3.0-src.tgz	2019-06-25 00:38	6.9M	
 kafka-2.3.0-src.tgz.asc	2019-06-25 00:38	862	
 kafka-2.3.0-src.tgz.md5	2019-06-25 00:38	70	
 kafka-2.3.0-src.tgz.shal	2019-06-25 00:38	72	
 kafka-2.3.0-src.tgz.sha512	2019-06-25 00:38	207	
 kafka 2.11-2.3.0-site-docs.tgz	2019-06-25 00:38	3.2M	
 kafka 2.11-2.3.0-site-docs.tgz.asc	2019-06-25 00:38	862	
 kafka 2.11-2.3.0-site-docs.tgz.md5	2019-06-25 00:38	81	
 kafka 2.11-2.3.0-site-docs.tgz.shal	2019-06-25 00:38	115	
 kafka 2.11-2.3.0-site-docs.tgz.sha512	2019-06-25 00:38	272	
 kafka 2.11-2.3.0.tgz	2019-06-25 00:38	62M	
 kafka 2.11-2.3.0.tgz.asc	2019-06-25 00:38	862	
 kafka 2.11-2.3.0.tgz.md5	2019-06-25 00:38	71	
 kafka 2.11-2.3.0.tgz.shal	2019-06-25 00:38	73	

图灵课堂



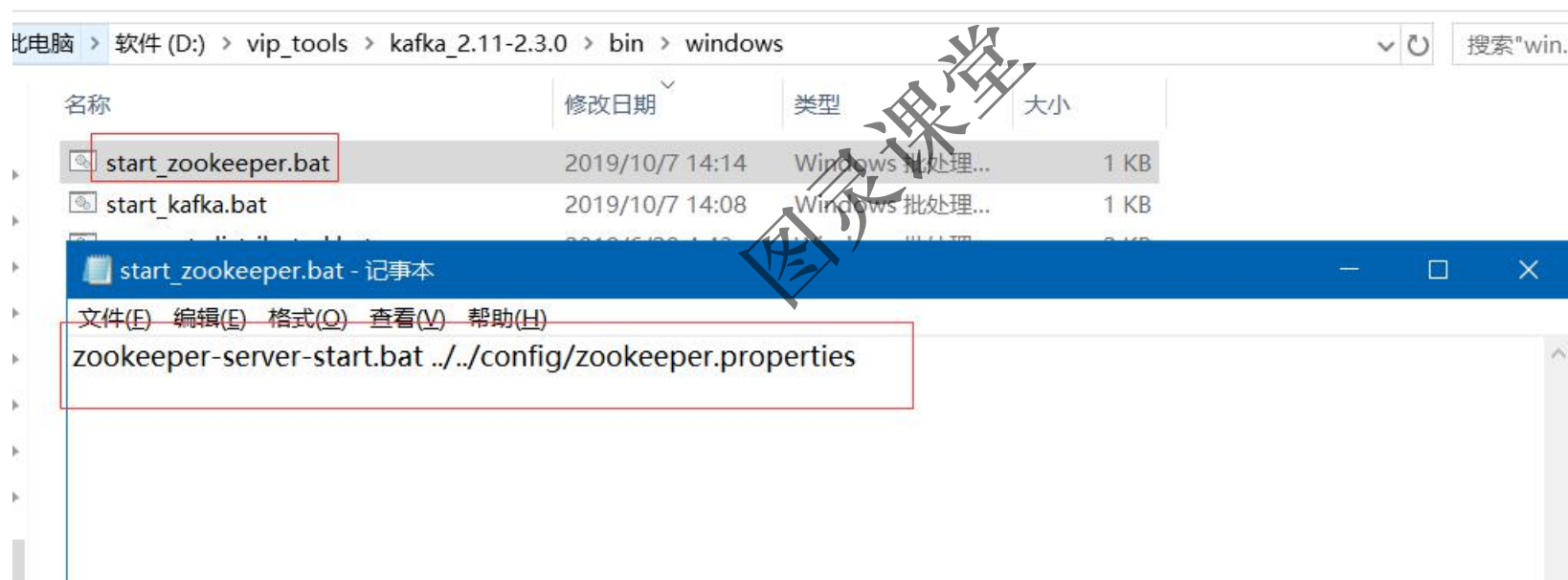
Kafka 的 Windows 下的运行

1. 启动 Zookeeper

windows 下，kafka 目录文件夹\bin\windows 目录下,新建一个 start_zookeeper.bat 运行文件



start_zookeeper.bat



Cmd 命令框执行进入至'kafka 目录文件夹\bin\windows'下，然后执行'start_zookeeper.bat'，启动 zookeeper。成功后会弹出提示框，此框勿关闭。

↑ > 此电脑 > 软件 (D:) > vip_tools > kafka_2.11-2.3.0 > bin > windows

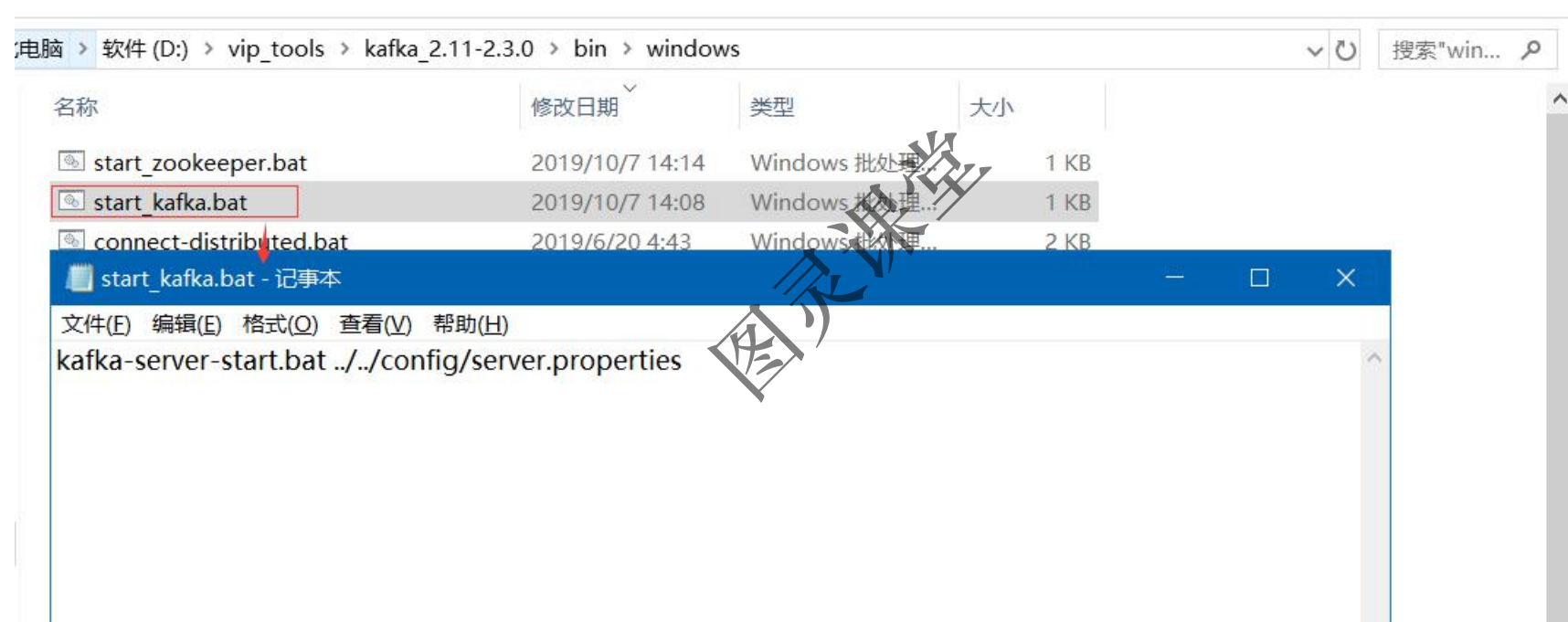
```
C:\Windows\system32\cmd.exe
s\snappy-java-1.1.7.3.jar;D:\vip_tools\kafka_2.11-2.3.0\libs\spotbugs-annotations-3.1.9.jar;D:\vip_tools\kafka_2.11-2.3.0\libs\validation-api-2.0.1.Final.jar;D:\vip_tools\kafka_2.11-2.3.0\libs\zkclient-0.11.jar;D:\vip_tools\kafka_2.11-2.3.0\libs\zookeeper-3.4.14.jar;D:\vip_tools\kafka_2.11-2.3.0\libs\zstd-jni-1.4.0-1.jar (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,366] INFO Server environment:java.library.path=C:\Program Files\Java\jdk1.8.0_191\bin;C:\Windows\Sun\Java\bin;C:\Windows\system32;C:\Windows;C:\Windows\System32\Wbem;C:\Windows\System32\WindowsPowerShell\v1.0\;C:\Program Files\IDM Computer Solutions\UltraEdit;C:\Program Files\Java\jdk1.8.0_191\bin;C:\Program Files\Java\jdk1.8.0_191\jre\bin;C:\Users\Administrator\Documents\Tencent Files\2962938812\FileRecv\apache-ant-1.7.1\bin;C:\Program Files\RabbitMQ Server\rabbitmq_server-3.6.6\sbin;C:\Program Files\RabbitMQ Server\rabbitmq_server-3.6.6\bin;D:\tools\apache-maven-3.3.9\bin;C:\Users\Administrator\AppData\Local\Microsoft\WindowsApps;C:\Users\Administrator\AppData\Roaming\npm;C:\Program Files (x86)\SSH Communications Security\SSH Secure Shell;. (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,366] INFO Server environment:java.io.tmpdir=C:\Users\ADMINI~1\AppData\Local\Temp\ (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,367] INFO Server environment:java.compiler=<NA> (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,367] INFO Server environment:os.name=Windows 10 (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,368] INFO Server environment:os.arch=amd64 (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,372] INFO Server environment:os.version=10.0 (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,372] INFO Server environment:user.name=Administrator (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,373] INFO Server environment:user.home=C:\Users\Administrator (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,373] INFO Server environment:user.dir=D:\vip_tools\kafka_2.11-2.3.0\bin\windows (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,380] INFO tickTime set to 3000 (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,381] INFO minSessionTimeout set to -1 (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,382] INFO maxSessionTimeout set to -1 (org.apache.zookeeper.server.ZooKeeperServer)
[2019-10-07 15:12:53,397] INFO Using org.apache.zookeeper.server.NIOServerCnxnFactory as server connection factory (org.apache.zookeeper.server.NIOServerCnxnFactory)
[2019-10-07 15:12:53,399] INFO binding to port 0.0.0.0/0.0.0.0:2181 (org.apache.zookeeper.server.NIOServerCnxnFactory)
```

2.启动 Kafka



start_kafka.bat

windows 下， kafka 目录文件夹\bin\windows 目录下,新建一个 start_kafka.bat 运行文件



Cmd 命令框执行进入至'kafka 目录文件夹\bin\windows'下，然后执行'start_kafka.bat'，启动 kafka。成功后会弹出提示框，此框勿关闭。

脑 > 软件 (D:) > vip_tools > kafka_2.11-2.3.0 > bin > windows

搜索"win..."

名称	修改日期	类型	大小
start_zookeeper.bat	2019/10/7 14:14	Windows 批处理...	1 KB
start_kafka.bat	2019/10/7 14:08	Windows 批处理...	1 KB
connect-distributed.bat	2019/6/20 14:12	Windows 批处理...	2 KB

```
C:\Windows\system32\cmd.exe
[2019-10-07 15:15:16,307] INFO [ExpirationReaper-0-topic]: Starting (kafka.server.DelayedOperationPurgatory$ExpiredOperationReaper)
[2019-10-07 15:15:16,310] INFO [ExpirationReaper-0-Heartbeat]: Starting (kafka.server.DelayedOperationPurgatory$ExpiredOperationReaper)
[2019-10-07 15:15:16,311] INFO [ExpirationReaper-0-Rebalance]: Starting (kafka.server.DelayedOperationPurgatory$ExpiredOperationReaper)
[2019-10-07 15:15:16,322] INFO [GroupCoordinator 0]: Starting up. (kafka.coordinator.group.GroupCoordinator)
[2019-10-07 15:15:16,324] INFO [GroupCoordinator 0]: Startup complete. (kafka.coordinator.group.GroupCoordinator)
[2019-10-07 15:15:16,325] INFO [GroupMetadataManager brokerId=0] Removed 0 expired offsets in 1 milliseconds. (kafka.coordinator.group.GroupMetadataManager)
[2019-10-07 15:15:16,340] INFO [ProducerId Manager 0]: Acquired new producerId block (brokerId:0,blockStartProducerId:1000,blockEndProducerId:1999) by writing to Zk with path version 2 (kafka.coordinator.transaction.ProducerIdManager)
[2019-10-07 15:15:16,357] INFO [TransactionCoordinator id=0] Starting up. (kafka.coordinator.transaction.TransactionCoordinator)
[2019-10-07 15:15:16,359] INFO [TransactionCoordinator id=0] Startup complete. (kafka.coordinator.transaction.TransactionCoordinator)
[2019-10-07 15:15:16,360] INFO [Transaction Marker Channel Manager 0]: Starting (kafka.coordinator.transaction.TransactionMarkerChannelManager)
[2019-10-07 15:15:16,397] INFO [/config/changes-event-process-thread]: Starting (kafka.common.ZkNodeChangeNotificationListener$ChangeEventProcessThread)
[2019-10-07 15:15:16,407] INFO [SocketServer brokerId=0] Started data-plane processors for 1 acceptors (kafka.network.SocketServer)
[2019-10-07 15:15:16,412] INFO Kafka version: 2.3.0 (org.apache.kafka.common.utils.AppInfoParser)
[2019-10-07 15:15:16,413] INFO Kafka commitId: fclaa116b661c8a (org.apache.kafka.common.utils.AppInfoParser)
[2019-10-07 15:15:16,415] INFO Kafka startTimeMs: 1570432516409 (org.apache.kafka.common.utils.AppInfoParser)
[2019-10-07 15:15:16,418] INFO [KafkaServer id=0] started (kafka.server.KafkaServer)
```

Kafka 的 Linux 下的运行

步骤和 window 上是一样，先运行 zookeeper 再运行 Kafka，运行目录在 kafka 目录文件夹\bin 目录下，使用 sh 脚本

Kafka 运行占用的端口

Zookeeper 默认端口 2181

Kafka 默认端口 9092

Kafka 主题，分区的时候（增加，但是不能减少）

最少使用原则。拥有最少数据分区的路径。

图灵课堂

```
##### 日志文件删除策略 #####  
# 日志保存时间 log.retention.minutes、log.retention.ms  
log.retention.hours=168
```

判断过期删除的策略，最后修改时间

00000000000000000000.log

`fetch.message.max.bytes`属性的值。

的最大字节数



ving requests from the network and sending responses.

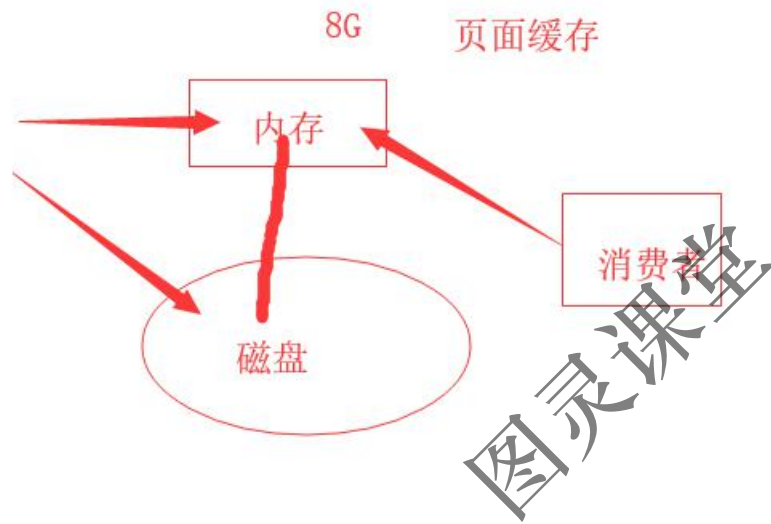
ssing requests, which may include disk I/O

ir

Kafka:

磁盘：影响最大的是生产者。读写速度。HDD 机械，（多个分区，多个目录）每天 1TB 7 天 7TB *2 副本

内存：消费者性能。



网络：生产者、消费者写入、读取速度

Cpu：压缩，不是 kafka 首选。