



École d'Ingénierie Digitale
et d'Intelligence Artificielle

RAPPORT ATELIER:2

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II. Configuration d'un Serveur Kafka « Solution Locale sur Linux » :

Installation d'Apache Kafka

```
Kali-Linux-2021.3-vbox-amd64 (Instantané 1) [En fonction] - Oracle VM VirtualBox
Fichier Machine Écran Entrée Périphériques Aide
kali@kali: ~/Downloads/... 09:25 PM 99%
Computer Charging (99%)
File Actions Edit View Help
(kali@kali)~$ ls
Desktop Documents Downloads Music Pictures Public Templates Videos
(kali@kali)~$ cd Downloads
(kali@kali)~/Downloads$ ls
kafka_2.12-3.4.0 kafka_2.12-3.4.0.tgz
(kali@kali)~/Downloads$ cd kafka_2.12-3.4.0
(kali@kali)~/Downloads/kafka_2.12-3.4.0$ ls
bin config libs LICENSE licenses NOTICE site-docs
(kali@kali)~/Downloads/kafka_2.12-3.4.0$ cd bin
(kali@kali)~/Downloads/kafka_2.12-3.4.0/bin$ ls
connect-distributed.sh kafka-broker-api-versions.sh kafka-console-producer.sh kafka-delete-records.sh kafka-leader-election.sh
connect-mirror-maker.sh kafka-cluster.sh kafka-consumer-groups.sh kafka-dump-log.sh kafka-log-dirs.sh
connect-standalone.sh kafka-configs.sh kafka-consumer-perf-test.sh kafka-features.sh kafka-metadata-quorum.sh
kafka-acls.sh kafka-console-consumer.sh kafka-delegation-tokens.sh kafka-get-offsets.sh kafka-metadata-shell.sh
(kali@kali)~/Downloads/kafka_2.12-3.4.0/bin$ ./kafka-topics.sh
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Create, delete, describe, or change a topic.
Option Description
--alter Alter the number of partitions, replica assignment, and/or configuration for the topic.
--at-min-isr-partitions if set when describing topics, only show partitions whose isr count is equal to the configured minimum.
--bootstrap-server <String: server to connect to> REQUIRED: The Kafka server to connect to.
--command-config <String: command config property file> Property file containing configs to be passed to Admin Client. This is used only with --bootstrap-server option for describing and altering broker configs.
--config <String: name=value> A topic configuration override for the topic being created or altered. The following is a list of valid configurations:
cleanup.policy
compression.type
delete.retention.ms
file.delete.delay.ms
flush.messages
flush.ms
follower.replication.throttled.
```

Définition du chemin du répertoire Kaf

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```
GNU nano 5.4 .bashrc *
;;
esac

[ "$NEWLINE_BEFORE_PROMPT" = yes ] && PROMPT_COMMAND="PROMPT_COMMAND=echo"

# enable color support of ls, less and man, and also add handy aliases
if [ -x /usr/bin/dircolors ]; then
    test -r ~/.dircolors && eval "$(dircolors -b ~/.dircolors)" || eval "$(dircolors -b)"
    alias ls='ls --color=auto'
    #alias dir='dir --color=auto'
    #alias vdir='vdir --color=auto'

    alias grep='grep --color=auto'
    alias fgrep='fgrep --color=auto'
    alias egrep='egrep --color=auto'
    alias diff='diff --color=auto'
    alias ip='ip --color=auto'

    export LESS_TERMCAP_mb='${E[1;31m}' # begin blink
    export LESS_TERMCAP_md='${E[1;36m}' # begin bold
    export LESS_TERMCAP_me='${E[0m}' # reset bold/blink
    export LESS_TERMCAP_so='${E[01;33m}' # begin reverse video
    export LESS_TERMCAP_se='${E[0m}' # reset reverse video
    export LESS_TERMCAP_us='${E[1;32m}' # begin underline
    export LESS_TERMCAP_ue='${E[0m}' # reset underline
fi

# colored GCC warnings and errors
#export GCC_COLORS='error=01;31:warning=01;35:note=01;36:caret=01;32:locus=01:quote=01'

# some more ls aliases
alias ll='ls -l'
alias la='ls -A'
alias l='ls -CF'

# Alias definitions.
# You may want to put all your additions into a separate file like
# ~/.bash_aliases, instead of adding them here directly.
# See /usr/share/doc/bash-doc/examples in the bash-doc package.

if [ -f ~/.bash_aliases ]; then
    . ~/.bash_aliases
fi

# enable programmable completion features (you don't need to enable
# this, if it's already enabled in /etc/bash.bashrc and /etc/profile
# sources /etc/bash.bashrc).
if ! shopt -oq posix; then
    if [ -f /usr/share/bash-completion/bash_completion ]; then
        . /usr/share/bash-completion/bash_completion
    elif [ -f /etc/bash_completion ]; then
        . /etc/bash_completion
    fi
fi

export PATH =/home/kali/kafka_2.12-3.4.0

^G Help      ^O Write Out  ^W Where Is   ^K Cut        ^T Execute    ^C Location   M-U Undo      M-A Set Mark
^X Exit      ^R Read File  ^_ Replace    ^U Paste      ^J Justify    ^_ Go To Line  M-E Redo      M-6 Copy
```

Démarrage du serveur Zookeeper sous Linux

```
File Actions Edit View Help
GNU nano 5.4 config/zookeeper.properties
# Licensed to the Apache Software Foundation (ASF) under one or more
# contributor license agreements. See the NOTICE file distributed with
# this work for additional information regarding copyright ownership.
# The ASF licenses this file to You under the Apache License, Version 2.0
# (the "License"); you may not use this file except in compliance with
# the license. You may obtain a copy of the license at
#
# http://www.apache.org/licenses/LICENSE-2.0
#
# Unless required by applicable law or agreed to in writing, software
# distributed under the license is distributed on an "AS IS" BASIS,
# WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
# See the license for the specific language governing permissions and
# limitations under the license.
# the directory where the snapshot is stored.
dataDir=/home/kali/kafka_2.12-3.4.0/data/zookeeper
# the port at which the clients will connect
clientPort=2181
# disable the per-ip limit on the number of connections since this is a non-production config
maxClientCnxns=0
# Disable the adminserver by default to avoid port conflicts.
# Set the port to something non-conflicting if choosing to enable this
admin.enableServer=false
# admin.serverPort=8080
```

```
kali@kali: ~/kafka_2.12-3.4.0/bin
File Actions Edit View Help
... 2 more
Invalid config, exiting abnormally
2023-04-16 10:26:41,087] INFO ZooKeeper audit is disabled. (org.apache.zookeeper.audit.ZKAuditProvider)
2023-04-16 10:26:41,090] ERROR Exiting JVM with code 2 (org.apache.zookeeper.util.ServiceUtils)

--(kali@kali)~/kafka_2.12-3.4.0/bin)
$ ./zookeeper-server-start.sh zookeeper.properties
picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
2023-04-16 10:26:52,986] INFO Reading configuration from: zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,987] WARN zookeeper.properties is relative. Prepend ./ to indicate that you're sure! (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,993] INFO clientPortAddress is 0.0.0.0:2181 (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,994] INFO secureClientPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,994] INFO observerMasterPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,994] INFO metricsProvider.className is org.apache.zookeeper.metrics.impl.DefaultMetricsProvider (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,996] INFO autopurge.snapRetainCount set to 3 (org.apache.zookeeper.server.DataDirCleanupManager)
2023-04-16 10:26:52,996] INFO autopurge.purgeInterval set to 0 (org.apache.zookeeper.server.DataDirCleanupManager)
2023-04-16 10:26:52,996] INFO Purge task is not scheduled. (org.apache.zookeeper.server.DataDirCleanupManager)
2023-04-16 10:26:52,996] WARN Either no config or no quorum defined in config, running in standalone mode (org.apache.zookeeper.server.quorum.QuorumPeerMain)
2023-04-16 10:26:52,998] INFO Log4j 1.2 jmx support not found; jmx disabled. (org.apache.zookeeper.jmx.ManagedUtil)
2023-04-16 10:26:52,998] INFO Reading configuration from: zookeeper.properties (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,998] WARN zookeeper.properties is relative. Prepend ./ to indicate that you're sure! (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,999] INFO clientPortAddress is 0.0.0.0:2181 (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,999] INFO secureClientPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,999] INFO observerMasterPort is not set (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,999] INFO metricsProvider.className is org.apache.zookeeper.metrics.impl.DefaultMetricsProvider (org.apache.zookeeper.server.quorum.QuorumPeerConfig)
2023-04-16 10:26:52,999] INFO Starting server (org.apache.zookeeper.server.ZooKeeperServerMain)
2023-04-16 10:26:53,024] INFO ServerMetrics initialized with provider org.apache.zookeeper.metrics.impl.DefaultMetricsProvider@5ef6008 (org.apache.zookeeper.server.ServerMetrics)
2023-04-16 10:26:53,038] INFO zookeeper.snapshot.trust.empty : false (org.apache.zookeeper.server.persistence.FileTxnSnapLog)
2023-04-16 10:26:53,047] INFO (org.apache.zookeeper.server.ZooKeeperServer) (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,047] INFO |__ / | | 6401e4ad2087061bc6b9f80dec2d69f2e3c8660a, built on 04/08/2021 16:35 GMT (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,047] INFO // _ _ | | _ _ _ _ _ _ _ _ (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,047] INFO // / _ \ / _ \ | | / _ \ / _ \ | ' _ \ / _ \ | ' _ \ (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,048] INFO // _ | ( ) | | ( ) | | < | _ \ | _ \ | | _ \ | | (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,048] INFO / _ | \ / \ \ | | \ \ \ \ | _ \ \ \ | | (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,048] INFO | | (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,048] INFO |_ | (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,048] INFO (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,049] INFO Server environment:zookeeper.version=3.6.3--6401e4ad2087061bc6b9f80dec2d69f2e3c8660a, built on 04/08/2021 16:35 GMT (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,050] INFO Server environment:host.name=kali (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,050] INFO Server environment:java.version=11.0.12 (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,050] INFO Server environment:java.vendor=Debian (org.apache.zookeeper.server.ZooKeeperServer)
2023-04-16 10:26:53,050] INFO Server environment:java.home=/usr/lib/jvm/java-11-openjdk-amd64 (org.apache.zookeeper.server.ZooKeeperServer)
```


II. Création d'un Topic

```
kali@kali: ~/kafka_2.12-3.4.0
File Actions Edit View Help
(kali@kali)~$ ./kafka_2.12-3.4.0
(kali@kali)~/kafka_2.12-3.4.0$ ls
bin  config  data  libs  LICENSE  licenses  logs  NOTICE  site-docs
(kali@kali)~/kafka_2.12-3.4.0$ bin/kafka-topics.sh --create --topic Sportif --bootstrap-server localhost:9092
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Created topic Sportif.
(kali@kali)~/kafka_2.12-3.4.0$
```

Manipulations des Topics :

1) Lister le nombre de sujets :

```
(kali@kali)~/kafka_2.12-3.4.0$ bin/kafka-topics.sh --bootstrap-server localhost:9092 --list
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Sportif
(kali@kali)~/kafka_2.12-3.4.0$
```

2) Décrire un sujet :

```
(kali@kali)~/kafka_2.12-3.4.0$ bin/kafka-topics.sh --bootstrap-server localhost:9092 --describe --topic Sport
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Topic: Sport TopicId: C158sHxzSKaF7VBHxN4QXQ PartitionCount: 3 ReplicationFactor: 1 Configs:
Topic: Sport Partition: 0 Leader: 0 Replicas: 0 Isr: 0
Topic: Sport Partition: 1 Leader: 0 Replicas: 0 Isr: 0
Topic: Sport Partition: 2 Leader: 0 Replicas: 0 Isr: 0
(kali@kali)~/kafka_2.12-3.4.0$
```

3) Suppression d'un sujet :

```
(kali@kali)~/kafka_2.12-3.4.0$ bin/kafka-topics.sh --bootstrap-server localhost:9092 --topic Sportif --delete
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
(kali@kali)~/kafka_2.12-3.4.0$ bin/kafka-topics.sh --bootstrap-server localhost:9092 --list
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Sport
(kali@kali)~/kafka_2.12-3.4.0$
```

V. Envoi de données aux Topics Kafka :

Producteur de la console Kafka et Producteur de la console Kafka avec Clé :

```
the producer waits before refreshing
the metadata. This is the option to
control 'retry.backoff.ms' in
producer configs. (default: 100)
-socket-buffer-size <Integer: size> The size of the tcp RECV size. This is
the option to control 'send.buffer.
bytes' in producer configs.
(default: 102400)
-sync If set message send requests to the
brokers are synchronously, one at a
time as they arrive.
-timeout <Long: timeout_ms> If set and the producer is running in
asynchronous mode, this gives the
maximum amount of time a message
will queue awaiting sufficient batch
size. The value is given in ms. This
is the option to control 'linger.ms'
in producer configs. (default: 1000)
-topic <String: topic> REQUIRED: The topic id to produce
messages to.
-version Display Kafka version.

--(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/kafka-console-producer.sh --bootstrap-server localhost:9092 --topic Sport
icked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
A
B
C
D
E
F^C

--(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/kafka-console-producer.sh --bootstrap-server localhost:9092 --topic Sport --property parse.key=true --property key.separator=,
icked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
0,Football
1,Tennis
2,Basketball
3,Judo
^C

--(kali@kali)-[~/kafka_2.12-3.4.0]
$
```

Consommation du Topic Kafka :

Un seul consommateur :

```
(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/kafka-console-producer.sh --bootstrap-server localhost:9092 --topic Sport
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
>A
>B
>C
>D
>E
>F^C

(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/kafka-console-producer.sh --bootstrap-server localhost:9092 --topic Sport
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
>^C

(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/kafka-console-producer.sh --bootstrap-server localhost:9092 --topic Sport
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
>0,Football
>1,Basketball
>2,Tennis
>3,Golf
>^C

(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/kafka-console-producer.sh --bootstrap-server localhost:9092 --topic Sport --property parse.key=true --property key.separator=,
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
>0,Football
>1,Basketball
>2,Tennis
>3,Golf
>^C

(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/kafka-console-producer.sh --bootstrap-server localhost:9092 --topic Sport
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
^CProcessed a total of 0 messages

(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic Sport
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
A
B
C
D
E
Football
Basketball
Tennis
Golf
^C
```

- Groupes de consommateurs :

```
(kali㉿kali)-[~/kafka_2.12-3.4.0]
└─$ bin/kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic Sport --group Groupe1 --from-beginning
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
A
B
C
D
E
F
0,lundi
1,mardi
0,mercredi
0,jeudi
0,vendredi
1,samedi
1,dimanche
█
```

```
(kali㉿kali)-[~/kafka_2.12-3.4.0]
└─$ bin/kafka-console-consumer.sh --bootstrap-server localhost:9092 --topic Sport --group Groupe1 --from-beginning
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
A
B
C
D
E
F
0,lundi
1,mardi
0,mercredi
0,jeudi
0,vendredi
1,samedi
1,dimanche
█
```


Gestion de Groupes de consommateurs :

```
(kali@kali) ~/kafka_2.12-3.4.0
$ bin/kafka-console-consumer.sh --bootstrap-server localhost:9092 --describe Groupe1
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
describe is not a recognized option
Option Description
--bootstrap-server <String: server to connect to> REQUIRED: The server(s) to connect to.
--consumer-property <String: consumer property> A mechanism to pass user-defined properties in the form key=value to the consumer.
--consumer.config <String: config file> Consumer config properties file. Note that [consumer-property] takes precedence over this config.
--enable-systest-events Log lifecycle events of the consumer in addition to logging consumed messages. (This is specific for system tests.)
--formatter <String: class> The name of a class to use for formatting kafka messages for display. (default: kafka.tools.DefaultMessageFormatter)
--formatter.config <String: config file> Config properties file to initialize the message formatter. Note that [property] takes precedence over this config.
--from-beginning If the consumer does not already have an established offset to consume from, start with the earliest message present in the log rather than the latest message.
--group <String: consumer group id> The consumer group id of the consumer.
--help Print usage information.
--include <String: Java regex (String)> Regular expression specifying list of topics to include for consumption.
--isolation-level <String> Set to read_committed in order to filter out transactional messages which are not committed. Set to read_uncommitted to read all messages. (default: read_uncommitted)
--key-deserializer <String: deserializer for key> The maximum number of messages to consume before exiting. If not set, consumption is continual.
--max-messages <Integer: num_messages> The offset to consume from (a non-negative number), or 'earliest' which means from beginning, or 'latest' which means from end (default: latest)
--offset <String: consume offset> The partition to consume from. Consumption starts from the end of the partition unless '-offset' is specified.
--partition <Integer: partition> The properties to initialize the message formatter. Default properties include:
```

```
(kali@kali) ~/kafka_2.12-3.4.0
$ bin/kafka-consumer-groups.sh --reset-offsets
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Missing required argument "[bootstrap-server]"
Option Description
--all-groups Apply to all consumer groups.
--all-topics Consider all topics assigned to a group in the 'reset-offsets' process.
--bootstrap-server <String: server to connect to> REQUIRED: The server(s) to connect to.
--by-duration <String: duration> Reset offsets to offset by duration from current timestamp. Format: 'PnDnHnMnSs'
--command-config <String: command config property file> Property file containing configs to be passed to Admin Client and Consumer.
--delete Pass in groups to delete topic partition offsets and ownership information over the entire consumer group. For instance --group g1 --group g2
--delete-offsets Delete offsets of consumer group. Supports one consumer group at the time, and multiple topics.
--describe Describe consumer group and list offset lag (number of messages not yet processed) related to given group.
--dry-run Only show results without executing changes on Consumer Groups. Supported operations: reset-offsets.
--execute Execute operation. Supported operations: reset-offsets.
--export Export operation execution to a CSV file. Supported operations: reset-offsets.
--from-file <String: path to CSV file> Reset offsets to values defined in CSV file.
--group <String: consumer group> The consumer group we wish to act on.
--help Print usage information.
--list List all consumer groups.
--members Describe members of the group. This option may be used with '-describe' and '--bootstrap-server' options only.
Example: --bootstrap-server localhost:9092 --describe --group group1 --members
--offsets Describe the group and list all topic
```

Lister les consommateurs

```
(kali@kali) ~/kafka_2.12-3.4.0
$ bin/kafka-consumer-groups.sh --bootstrap-server localhost:9092 --describe --group Groupe1
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true

GROUP TOPIC PARTITION CURRENT-OFFSET LOG-END-OFFSET LAG CONSUMER-ID
HOST CLIENT-ID
Groupe1 HOST Sport 1 18 18 0 console-consumer-b2834f60-3061-4156-a1ca-01
a8ef1fd000 /127.0.0.1 console-consumer
Groupe1 Sport 2 11 11 0 console-consumer-b3aa8e29-4aee-4693-9611-f3
c6b0028e9c /127.0.0.1 console-consumer
Groupe1 Sport 0 10 10 0 console-consumer-2016fc55-e533-418b-a205-b9
efdec9efae /127.0.0.1 console-consumer

(kali@kali) ~/kafka_2.12-3.4.0
$
```

Supprimer les consommateurs :

```
(kali@kali) ~/kafka_2.12-3.4.0
$ bin/kafka-consumer-groups.sh --bootstrap-server localhost:9092 --delete --group Groupe1
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Deletion of requested consumer groups ('Groupe1') was successful.

(kali@kali) ~/kafka_2.12-3.4.0
$
```

VII. Kafka Connect:

Kafka Connect Standalone avec les données de Wikipedia :

```
(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/kafka-topics.sh --bootstrap-server localhost:9092 --topic wikipedia.recentchange --create --partitions 3 --replication-factor 1
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
WARNING: Due to limitations in metric names, topics with a period ('.') or underscore ('_') could collide. To avoid issues it is best
to use either, but not both.
Created topic wikipedia.recentchange.

(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/kafka-topics.sh --bootstrap-server localhost:9092 --topic wikipedia.dlq --create --partitions 3 --replication-factor 1
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
WARNING: Due to limitations in metric names, topics with a period ('.') or underscore ('_') could collide. To avoid issues it is best
to use either, but not both.
Created topic wikipedia.dlq.

(kali@kali)-[~/kafka_2.12-3.4.0]
$
```

```
(kali@kali)-[~/kafka_2.12-3.4.0]
$ bin/connect-standalone.sh config/connect-standalone.properties ~/connectors/kafka-connect-sse/kafka-connect.sse.properties 1
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
2023-04-16 21:09:59,662] INFO Kafka Connect standalone worker initializing ... (org.apache.kafka.connect.cli.ConnectStandalone:68)
2023-04-16 21:09:59,672] INFO WorkerInfo values:
  jvm.args = -Xms256M, -Xmx2G, -XX:+UseG1GC, -XX:MaxGCPauseMillis=20, -XX:InitiatingHeapOccupancyPercent=35, -XX:+ExplicitGCInvokesConcurrent, -XX:MaxInlineLevel=15, -Djava.awt.headless=true, -Dcom.sun.management.jmxremote, -Dcom.sun.management.jmxremote.authenticate=false, -Dcom.sun.management.jmxremote.ssl=false, -Dkafka.logs.dir=/home/kali/kafka_2.12-3.4.0/bin/../logs, -Dlog4j.configuration
file:bin/../config/connect-log4j.properties, -Dawt.useSystemAAFontSettings=on, -Dswing.aatext=true
```