Assignment 4 - Introduction to Apache Zookeeper

Name – B Pravena   Sec – B

```
entInitiatedRenegotiation=true to disable client-initiated TLS renegotiation
2022-04-13 21:43:38,301 [myid:] - INFO  [main:o.a.z.ClientCnxnSocket@239] - jute.maxbuffer value
is 1048575 Bytes
2022-04-13 21:43:38,321 [myid:] - INFO  [main:o.a.z.ClientCnxn@1732] - zookeeper.request.timeout
value is 0. feature enabled=false
Welcome to ZooKeeper!
JLine support is enabled
2022-04-13 21:43:38,347 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Clie
ntCnxn$SendThread@1171] - Opening socket connection to server localhost/127.0.0.1:2181.
2022-04-13 21:43:38,347 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Clie
ntCnxn$SendThread@1173] - SASL config status: Will not attempt to authenticate using SASL (unknow
n error)
2022-04-13 21:43:38,366 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Clie
ntCnxn$SendThread@1005] - Socket connection established, initiating session, client: /127.0.0.1:4
2140, server: localhost/127.0.0.1:2181
2022-04-13 21:43:38,382 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Clie
ntCnxn$SendThread@1444] - Session establishment complete on server localhost/127.0.0.1:2181, sess
ion id = 0x1000020cf2c0001, negotiated timeout = 30000

WATCHER::

WatchedEvent state:SyncConnected type:None path:null
[zk: localhost:2181(CONNECTED) 0] ls /
[pes2ug19cs076_seq0000000000, zookeeper]
[zk: localhost:2181(CONNECTED) 1]
```

```
ntCnxn$SendThread@1005] - Socket connection established, initiating session, client: /127.0.0.1:4
2140, server: localhost/127.0.0.1:2181
2022-04-13 21:43:38,382 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Clie
ntCnxn$SendThread@1444] - Session establishment complete on server localhost/127.0.0.1:2181, sess
ion id = 0x1000020cf2c0001, negotiated timeout = 30000

WATCHER::

WatchedEvent state:SyncConnected type:None path:null
[zk: localhost:2181(CONNECTED) 0] ls /
[pes2ug19cs076_seq0000000000, zookeeper]
[zk: localhost:2181(CONNECTED) 1] get -s /pes2ug19cs076_seq0000000000
a sequential node
cZxid = 0x4
ctime = Wed Apr 13 21:35:33 IST 2022
mZxid = 0x4
mtime = Wed Apr 13 21:35:33 IST 2022
pZxid = 0x4
cversion = 0
dataVersion = 0
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 17
numChildren = 0
[zk: localhost:2181(CONNECTED) 2]
```

```
        delquota [-n|-b|-N|-B] path
        get [-s] [-w] path
        getAcl [-s] path
        getAllChildrenNumber path
        getEphemerals path
        history
        listquota path
        ls [-s] [-w] [-R] path
        printwatches on|off
        quit
        reconfig [-s] [-v version] [[-file path] | [-members serverID=host:port1:port2;port3[,...
]*]] | [-add serverId=host:port1:port2;port3[,...]]* [-remove serverId[,...]*]
        redo cmdno
        removewatches path [-c|-d|-a] [-l]
        set [-s] [-v version] path data
        setAcl [-s] [-v version] [-R] path acl
        setquota -n|-b|-N|-B val path
        stat [-w] path
        sync path
        version
        whoami
Command not found: Command not found cd
[zk: localhost:2181(CONNECTED) 15] ls /pes2ug19cs076
["balasubramanian", "pravena"]
[zk: localhost:2181(CONNECTED) 16]
```

```
2022-04-16 15:04:23,114 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Cl
ientCnxn$SendThread@1173] - SASL config status: Will not attempt to authenticate using SASL (un
known error)
2022-04-16 15:04:23,176 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Cl
ientCnxn$SendThread@1005] - Socket connection established, initiating session, client: /127.0.0
.1:44694, server: localhost/127.0.0.1:2181
JLine support is enabled
2022-04-16 15:04:23,333 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Cl
ientCnxn$SendThread@1444] - Session establishment complete on server localhost/127.0.0.1:2181,
session id = 0x1000095dd410000, negotiated timeout = 30000

WATCHER::

WatchedEvent state:SyncConnected type:None path:null
[zk: localhost:2181(CONNECTED) 0] create /pes2ug19cs076
Created /pes2ug19cs076
[zk: localhost:2181(CONNECTED) 1] create -s -e /pes2ug19cs076/candidate
Created /pes2ug19cs076/candidate0000000000
[zk: localhost:2181(CONNECTED) 2] ls /pes2ug19cs076
[candidate0000000000, candidate0000000001, candidate0000000002]
r[zk: localhost:2181(CONNECTED) 3]
```

```
2022-04-16 15:04:31,493 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Client
Cnxn$SendThread@1171] - Opening socket connection to server localhost/127.0.0.1:2181.
2022-04-16 15:04:31,501 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Client
Cnxn$SendThread@1173] - SASL config status: Will not attempt to authenticate using SASL (unknown er
ror)
2022-04-16 15:04:31,556 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Client
Cnxn$SendThread@1005] - Socket connection established, initiating session, client: /127.0.0.1:44698
, server: localhost/127.0.0.1:2181
2022-04-16 15:04:31,583 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.Client
Cnxn$SendThread@1444] - Session establishment complete on server localhost/127.0.0.1:2181, session
id = 0x1000095dd410002, negotiated timeout = 30000
JLine support is enabled

WATCHER::

WatchedEvent state:SyncConnected type:None path:null
[zk: localhost:2181(CONNECTED) 0] create -s -e /pes2ug19cs076/candidate
Created /pes2ug19cs076/candidate0000000002
[zk: localhost:2181(CONNECTED) 1] ls /pes2ug19cs076
[candidate0000000000, candidate0000000001, candidate0000000002]
[zk: localhost:2181(CONNECTED) 2]
```

```
e is 0. feature enabled=false
Welcome to ZooKeeper!
2022-04-16 15:04:28,076 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.ClientCn
xn$SendThread@1171] - Opening socket connection to server localhost/127.0.0.1:2181.
2022-04-16 15:04:28,079 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.ClientCn
xn$SendThread@1173] - SASL config status: Will not attempt to authenticate using SASL (unknown error)
2022-04-16 15:04:28,178 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.ClientCn
xn$SendThread@1005] - Socket connection established, initiating session, client: /127.0.0.1:44696, se
rver: localhost/127.0.0.1:2181
JLine support is enabled
2022-04-16 15:04:28,214 [myid:localhost:2181] - INFO  [main-SendThread(localhost:2181):o.a.z.ClientCn
xn$SendThread@1444] - Session establishment complete on server localhost/127.0.0.1:2181, session id =
 0x1000095dd410001, negotiated timeout = 30000

WATCHER::

WatchedEvent state:SyncConnected type:None path:null
[zk: localhost:2181(CONNECTED) 0] create -s -e /pes2ug19cs076/candidate
Created /pes2ug19cs076/candidate0000000001
[zk: localhost:2181(CONNECTED) 1] ls /pes2ug19cs076
[candidate0000000000, candidate0000000001, candidate0000000002]
[zk: localhost:2181(CONNECTED) 2]
```

```
e-zookeeper-3.8.0-bin/data/version-2/snapshot.1c
2022-04-16 15:09:09,122 [myid:] - INFO  [main:o.a.z.s.DataTree@1705] - The digest in the snapshot
has digest version of 2, with zxid as 0x1c, and digest value as 2790088154
2022-04-16 15:09:09,167 [myid:] - INFO  [main:o.a.z.a.ZKAuditProvider@42] - ZooKeeper audit is dis
abled.
2022-04-16 15:09:09,171 [myid:] - INFO  [main:o.a.z.s.p.FileTxnSnapLog@372] - 13 txns loaded in 25
 ms
2022-04-16 15:09:09,172 [myid:] - INFO  [main:o.a.z.s.ZKDatabase@289] - Snapshot loaded in 104 ms,
 highest zxid is 0x29, digest is 6768082154
2022-04-16 15:09:09,193 [myid:] - INFO  [main:o.a.z.s.p.FileTxnSnapLog@479] - Snapshotting: 0x29 t
o /opt/apache-zookeeper-3.8.0-bin/data/version-2/snapshot.29
2022-04-16 15:09:09,207 [myid:] - INFO  [main:o.a.z.s.ZooKeeperServer@547] - Snapshot taken in 4 m
s
2022-04-16 15:09:09,271 [myid:] - INFO  [main:o.a.z.s.RequestThrottler@75] - zookeeper.request_thr
ottler.shutdownTimeout = 10000 ms
2022-04-16 15:09:09,272 [myid:] - INFO  [ProcessThread(sid:0 cport:2181)::o.a.z.s.PrepRequestProce
ssor@138] - PrepRequestProcessor (sid:0) started, reconfigEnabled=false
2022-04-16 15:09:09,346 [myid:] - INFO  [main:o.a.z.s.ContainerManager@84] - Using checkIntervalMs
=60000 maxPerMinute=10000 maxNeverUsedIntervalMs=0
2022-04-16 15:04:23,216 [myid:] - INFO  [SyncThread:0:o.a.z.s.p.FileTxnLog@285] - Creating new log
 file: log.2a
```

Top-left terminal: `pes2ug19cs089@bhavanaravishanker-VirtualBox: /opt/apache-zookeeper-3.8.0-...`

```
WATCHER::

WatchedEvent state:SyncConnected type:None path:null
[zk: localhost:2181(CONNECTED) 0] create /pes2ug19cs076
Created /pes2ug19cs076
[zk: localhost:2181(CONNECTED) 1] create -s -e /pes2ug19cs076/candidate
Created /pes2ug19cs076/candidate0000000000
[zk: localhost:2181(CONNECTED) 2] ls /pes2ug19cs076
[candidate0000000000, candidate0000000001, candidate0000000002]
[zk: localhost:2181(CONNECTED) 3] quit

WATCHER::

WatchedEvent state:Closed type:None path:null
2022-04-16 15:08:06,466 [myid:] - INFO  [main-EventThread:o.a.z.ClientCnxn$EventThread@568] - E
ventThread shut down for session: 0x1000095dd410000
2022-04-16 15:08:06,467 [myid:] - INFO  [main:o.a.z.ZooKeeper@1232] - Session: 0x1000095dd41000
0 closed
2022-04-16 15:08:06,470 [myid:] - ERROR [main:o.a.z.u.ServiceUtils@42] - Exiting JVM with code
0
rpes2ug19cs089@bhavanaravishanker-VirtualBox:/opt/apache-zookeeper-3.8.0-bin$
```

Top-right terminal: `pes2ug19cs089@bhavanaravishanker-VirtualBox: /opt/apache-zookeeper-3.8.0-bin`

```
Created /pes2ug19cs076/candidate0000000002
[zk: localhost:2181(CONNECTED) 1] ls /pes2ug19cs076
[candidate0000000000, candidate0000000001, candidate0000000002]
[zk: localhost:2181(CONNECTED) 2] get -s -w /pes2ug19cs076/candidate0000000000
null
cZxid = 0x2e
ctime = Sat Apr 16 15:05:24 IST 2022
mZxid = 0x2e
mtime = Sat Apr 16 15:05:24 IST 2022
pZxid = 0x2e
cversion = 0
dataVersion = 0
aclVersion = 0
ephemeralOwner = 0x1000095dd410000
dataLength = 0
numChildren = 0
[zk: localhost:2181(CONNECTED) 3]
WATCHER::

WatchedEvent state:SyncConnected type:NodeDeleted path:/pes2ug19cs076/candidate0000000000
```

Bottom-left terminal: `pes2ug19cs089@bhavanaravishanker-VirtualBox: /opt/apache-zookeeper-3.8.0-bin`

```
WATCHER::

WatchedEvent state:SyncConnected type:None path:null
[zk: localhost:2181(CONNECTED) 0] create -s -e /pes2ug19cs076/candidate
Created /pes2ug19cs076/candidate0000000001
[zk: localhost:2181(CONNECTED) 1]  ls /pes2ug19cs076
[candidate0000000000, candidate0000000001, candidate0000000002]
[zk: localhost:2181(CONNECTED) 2] get -s -w /pes2ug19cs076/candidate0000000001
null
cZxid = 0x2f
ctime = Sat Apr 16 15:05:32 IST 2022
mZxid = 0x2f
mtime = Sat Apr 16 15:05:32 IST 2022
pZxid = 0x2f
cversion = 0
dataVersion = 0
aclVersion = 0
ephemeralOwner = 0x1000095dd410001
dataLength = 0
numChildren = 0
[zk: localhost:2181(CONNECTED) 3]
```

Bottom-right terminal: `pes2ug19cs089@bhavanaravishanker-VirtualBox: /opt/apache-zookeeper-3.8.0-bin`

```
2022-04-16 15:04:09,272 [myid:] - INFO  [ProcessThread(sid:0 cport:2181)::o.a.z.s.PrepRequestProce
ssor@138] - PrepRequestProcessor (sid:0) started, reconfigEnabled=false
2022-04-16 15:04:09,346 [myid:] - INFO  [main:o.a.z.s.ContainerManager@84] - Using checkIntervalMs
=60000 maxPerMinute=10000 maxNeverUsedIntervalMs=0
2022-04-16 15:04:23,216 [myid:] - INFO  [SyncThread:0:o.a.z.s.p.FileTxnLog@285] - Creating new log
 file: log.2a
2022-04-16 15:08:06,366 [myid:] - WARN  [NIOWorkerThread-1:o.a.z.s.NIOServerCnxn@371] - Unexpected
 exception
org.apache.zookeeper.server.ServerCnxn$EndOfStreamException: Unable to read additional data from c
lient, it probably closed the socket: address = /127.0.0.1:44694, session = 0x1000095dd410000
        at org.apache.zookeeper.server.NIOServerCnxn.handleFailedRead(NIOServerCnxn.java:170)
        at org.apache.zookeeper.server.NIOServerCnxn.doIO(NIOServerCnxn.java:333)
        at org.apache.zookeeper.server.NIOServerCnxnFactory$IOWorkRequest.doWork(NIOServerCnxnFact
ory.java:508)
        at org.apache.zookeeper.server.WorkerService$ScheduledWorkRequest.run(WorkerService.java:1
53)
        at java.base/java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:113
6)
        at java.base/java.util.concurrent.ThreadPoolExecutor$Worker.run(ThreadPoolExecutor.java:63
5)
        at java.base/java.lang.Thread.run(Thread.java:833)
```