

启动 zookeeper 服务

```
[root@node01 bin]# zkServer.sh start
```

链接 zookeeper 服务

```
[root@node01 bin]# zkCli.sh -server localhost:2181
```

查看当前 Zookeeper 中所包含的内容

```
[zk: localhost:2181(CONNECTED) 0] ls /  
[cluster, controller_epoch, controller, brokers, zookeeper, kafka-m  
anager, admin, isr_change_notification, consumers, log_dir_event_no  
tification, latest_producer_id_block, config]
```

查看当前节点数据

```
[zk: localhost:2181(CONNECTED) 1] ls2 /  
[cluster, controller_epoch, controller, brokers, zookeeper, kafka-m  
anager, admin, isr_change_notification, consumers, log_dir_event_no  
tification, latest_producer_id_block, config]  
cZxid = 0x0  
ctime = Thu Jan 01 08:00:00 CST 1970  
mZxid = 0x0  
mtime = Thu Jan 01 08:00:00 CST 1970  
pZxid = 0x300000041  
cversion = 16  
dataVersion = 0  
aclVersion = 0  
ephemeralOwner = 0x0  
dataLength = 0  
numChildren = 12  
[zk: localhost:2181(CONNECTED) 2]
```

创建序列化永久节点

```
[zk: localhost:2181(CONNECTED) 2] create -s /testnode test  
Created /testnode0000000014
```

创建临时节点

```
[zk: localhost:2181(CONNECTED) 0] create -e /testnodetemp testnode  
temp  
Created /testnodetemp
```

创建永久节点

```
[zk: localhost:2181(CONNECTED) 1] create /testnode-p testp  
Created /testnode-p
```

```
[zk: localhost:2181(CONNECTED) 4] get /
```

```
cZxid = 0x0  
ctime = Thu Jan 01 08:00:00 CST 1970  
mZxid = 0x0  
mtime = Thu Jan 01 08:00:00 CST 1970  
pZxid = 0x400000040  
cversion = 19  
dataVersion = 0  
aclVersion = 0  
ephemeralOwner = 0x0  
dataLength = 0  
numChildren = 15
```

```
[zk: localhost:2181(CONNECTED) 11] get /testnode-p testtemp
testp
cZxid = 0x400000040
ctime = Fri Sep 27 19:54:58 CST 2019
mZxid = 0x400000040
mtime = Fri Sep 27 19:54:58 CST 2019
pZxid = 0x400000040
cversion = 0
dataVersion = 0
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 5
numChildren = 0
```

```
[zk: localhost:2181(CONNECTED) 12] set /testnode-p 123
WATCHER::

watchedEvent state:SyncConnected type:NodeDataChanged path:/testnode-p
cZxid = 0x400000040
ctime = Fri Sep 27 19:54:58 CST 2019
mZxid = 0x400000044
mtime = Fri Sep 27 20:00:23 CST 2019
pZxid = 0x400000040
cversion = 0
dataVersion = 1
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 3
numChildren = 0
```

```
[zk: localhost:2181(CONNECTED) 13] get /testnode-p
123
cZxid = 0x400000040
ctime = Fri Sep 27 19:54:58 CST 2019
mZxid = 0x400000044
mtime = Fri Sep 27 20:00:23 CST 2019
pZxid = 0x400000040
cversion = 0
dataVersion = 1
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 3
numChildren = 0
```

监听节点

```
[zk: localhost:2181(CONNECTED) 14] get /testnode-p watch
123
cZxid = 0x400000040
ctime = Fri Sep 27 19:54:58 CST 2019
mZxid = 0x400000044
mtime = Fri Sep 27 20:00:23 CST 2019
pZxid = 0x400000040
cversion = 0
dataVersion = 1
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 3
numChildren = 0
```

```
WatchedEvent state:SyncConnected type:None path:null
[zk: localhost:2181(CONNECTED) 0] set /testnode-p testwatch
cZxid = 0x400000040
ctime = Fri Sep 27 19:54:58 CST 2019
mZxid = 0x400000046
mtime = Fri Sep 27 20:04:20 CST 2019
pZxid = 0x400000040
cversion = 0
dataVersion = 2
aclVersion = 0
ephemeralOwner = 0x0
dataLength = 9
numChildren = 0
[zk: localhost:2181(CONNECTED) 1]
```

```
[zk: localhost:2181(CONNECTED) 15]
WATCHER::

WatchedEvent state:SyncConnected type:NodeDataChanged path:/testnode-p
```

删除节点

```
delete /testnode-p
[zk: localhost:2181(CONNECTED) 16] ls /
[cluster, controller, brokers, zookeeper, admin, isr_change_notification, log_dir_event_
notification, testnodetemp, controller_epoch, kafka-manager, testnode0000000014, consume
rs, latest_producer_id_block, config]
```

JavaAPI 操作

```
<dependency>
  <groupId>org.apache.zookeeper</groupId>
  <artifactId>zookeeper</artifactId>
  <version>3.4.10</version>
</dependency>
```

