

# Encrypting Communication with Zookeeper

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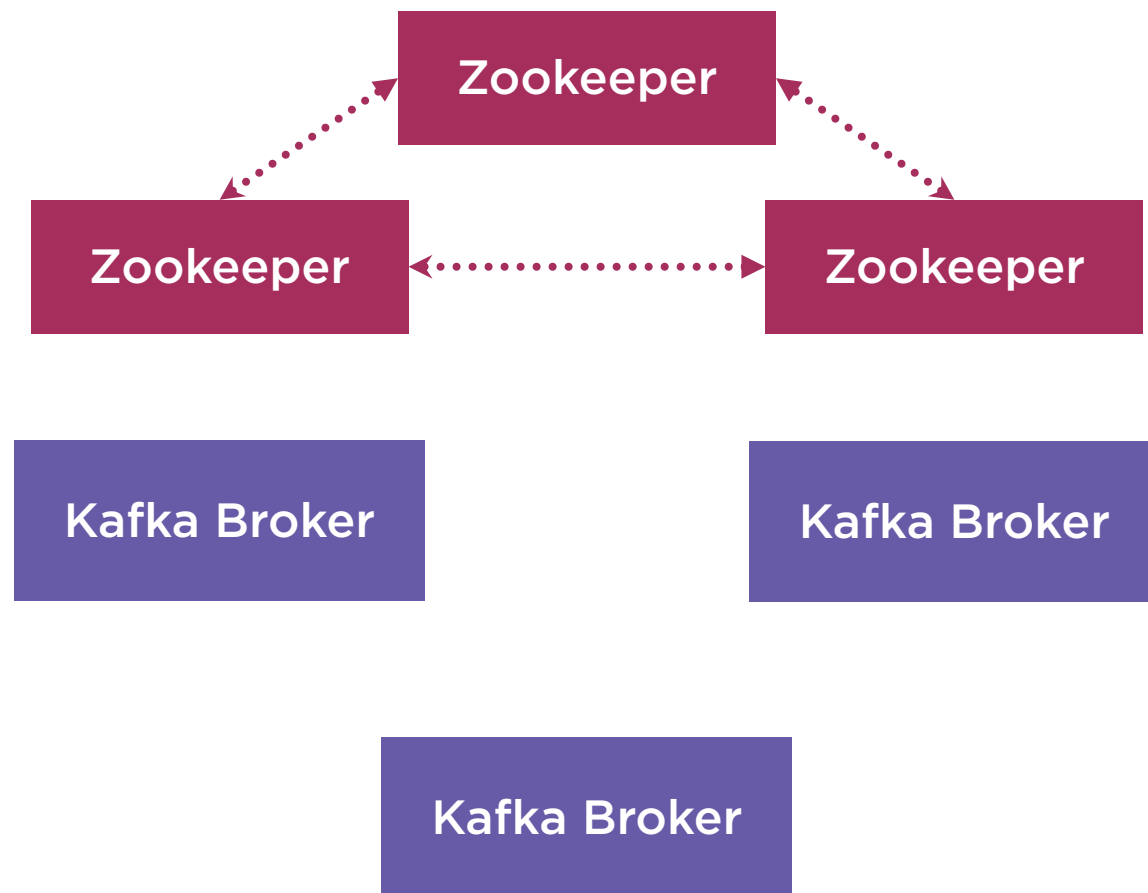
**Bogdan Sucaciu**

SOFTWARE ENGINEER

@BSucaciu bsucaciu.com



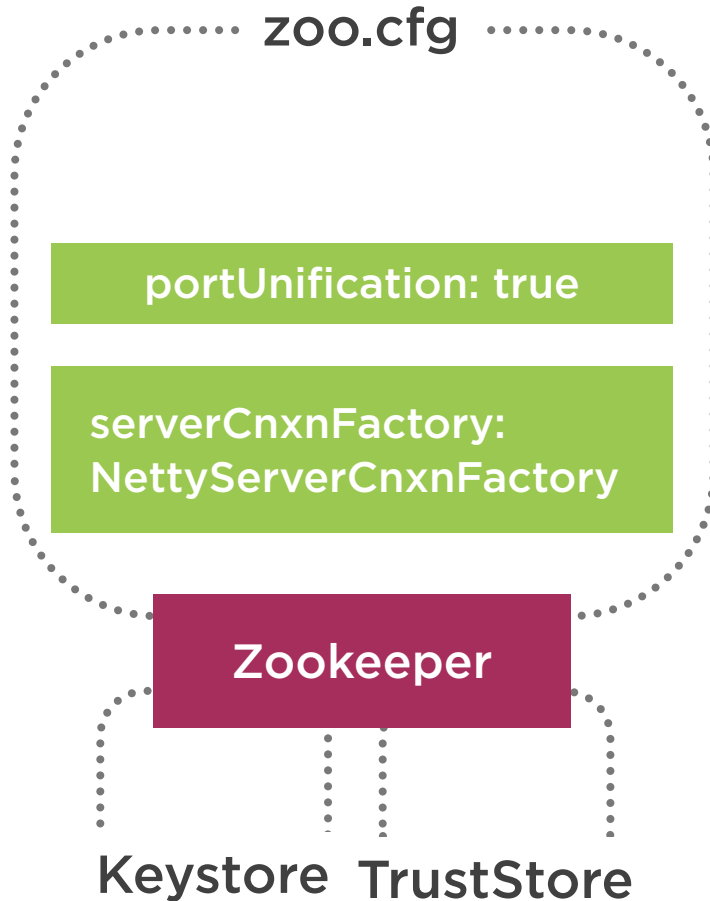
# Zookeeper Security



◀.....▶  
Quorum



# Zookeeper Quorum SSL

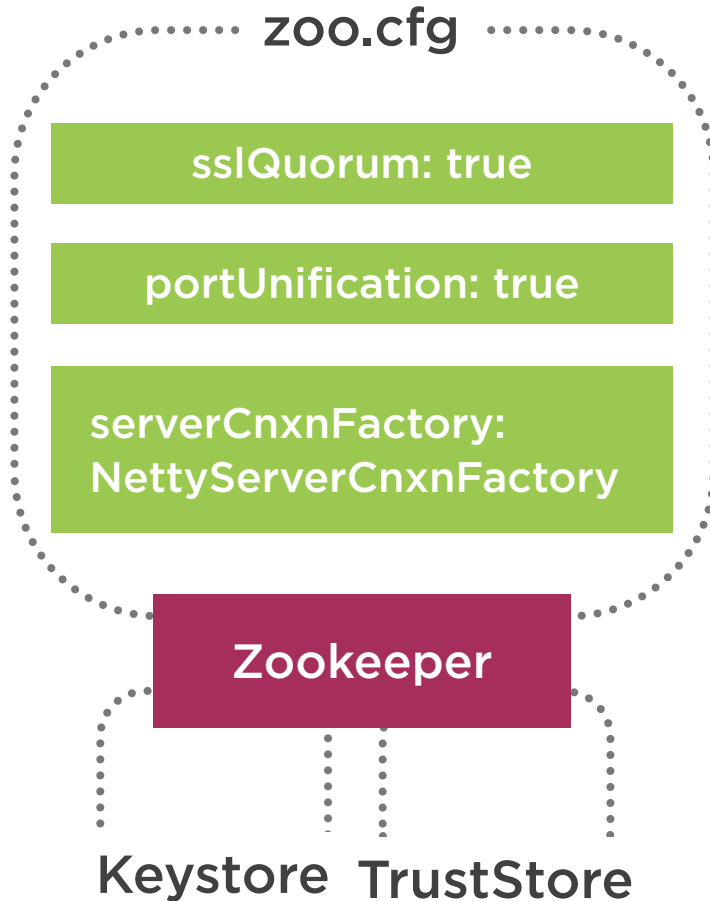


## 1st Rolling Update:

- Add Key / Trust Stores
- `portUnification= true`
- `serverCnxnFactory= NettyServerCnxnFactory`



# Zookeeper Quorum SSL



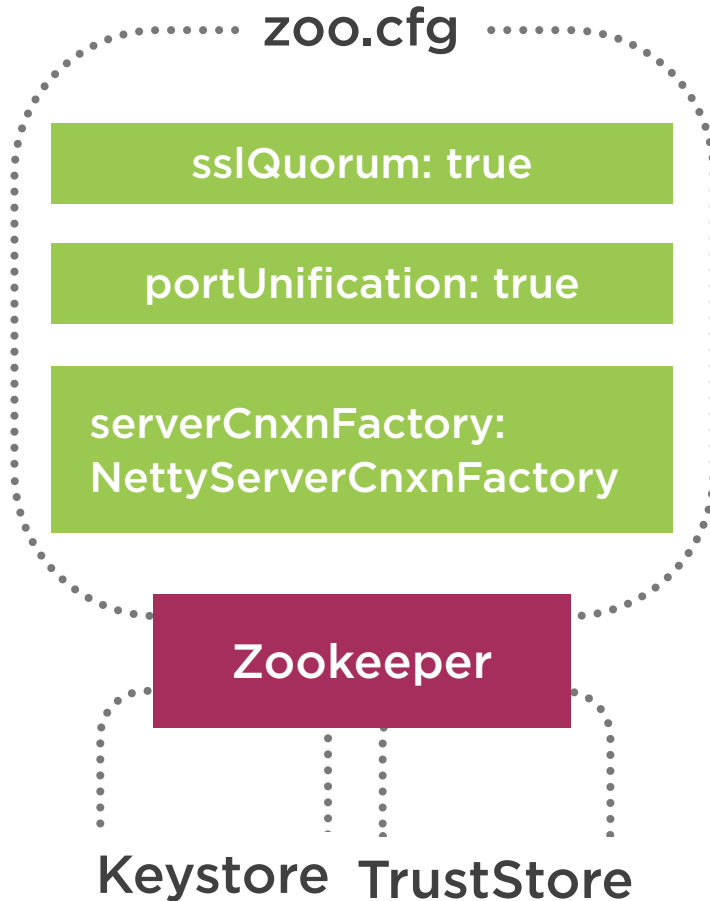
## 1st Rolling Update:

- Add Key / Trust Stores
- `portUnification= true`
- `serverCnxnFactory= NettyServerCnxnFactory`

## 2nd Rolling Update:

- `sslQuorum= true`

# Zookeeper Quorum SSL



## 1st Rolling Update:

- Add Key / Trust Stores
- `portUnification= true`
- `serverCnxnFactory= NettyServerCnxnFactory`

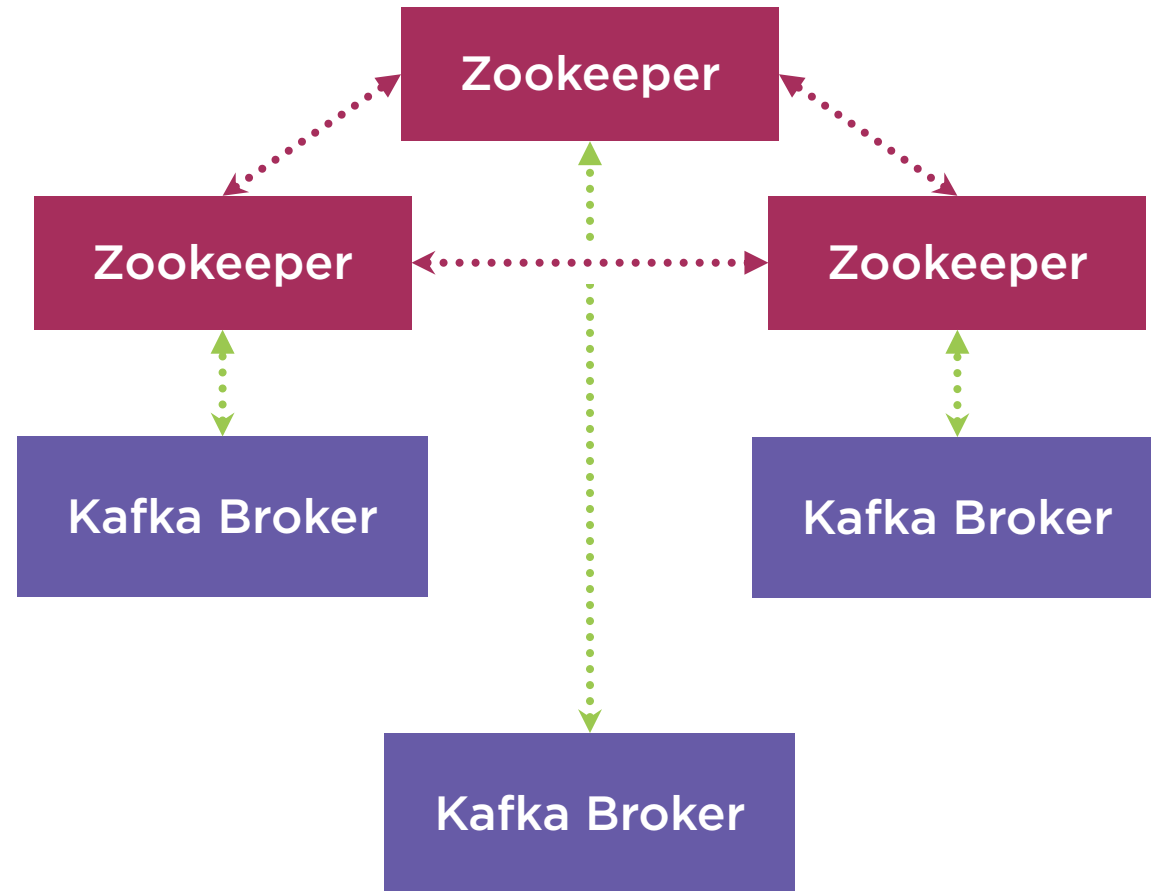
## 2nd Rolling Update:

- `sslQuorum= true`

## 3rd Rolling Update:

- `portUnification= false`

# Zookeeper Security



  
Quorum

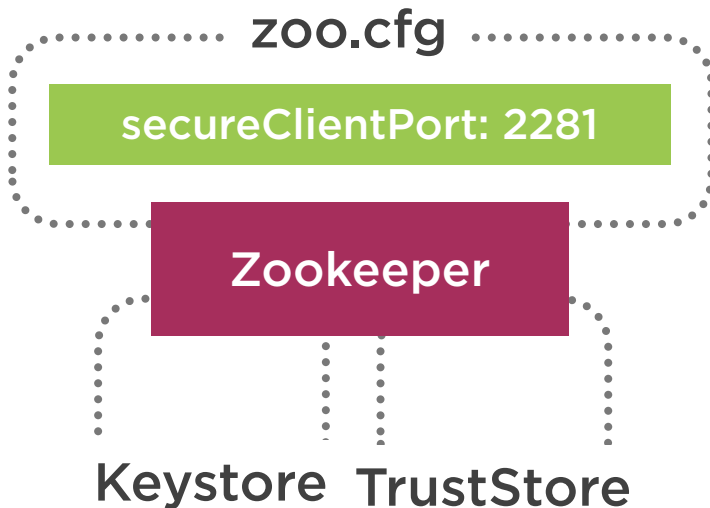
  
Zoo Client



# Zookeeper-Broker SSL

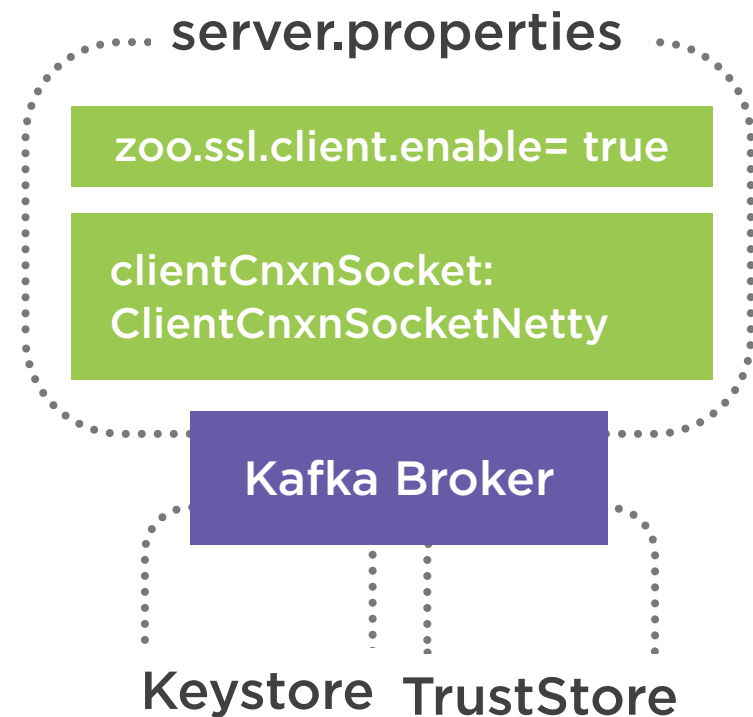
## Rolling Restart:

- Open Secure Client Port



## Rolling Restart:

- Add Key / Trust Stores
- Zoo SSL Client Enabled
- Netty Client Cnxn Socket



# Demo



Zookeeper Quorum SSL

Zookeeper Broker SSL

Prerequisites:

- Docker
- Java 11+

