

Encrypting Communication with Zookeeper



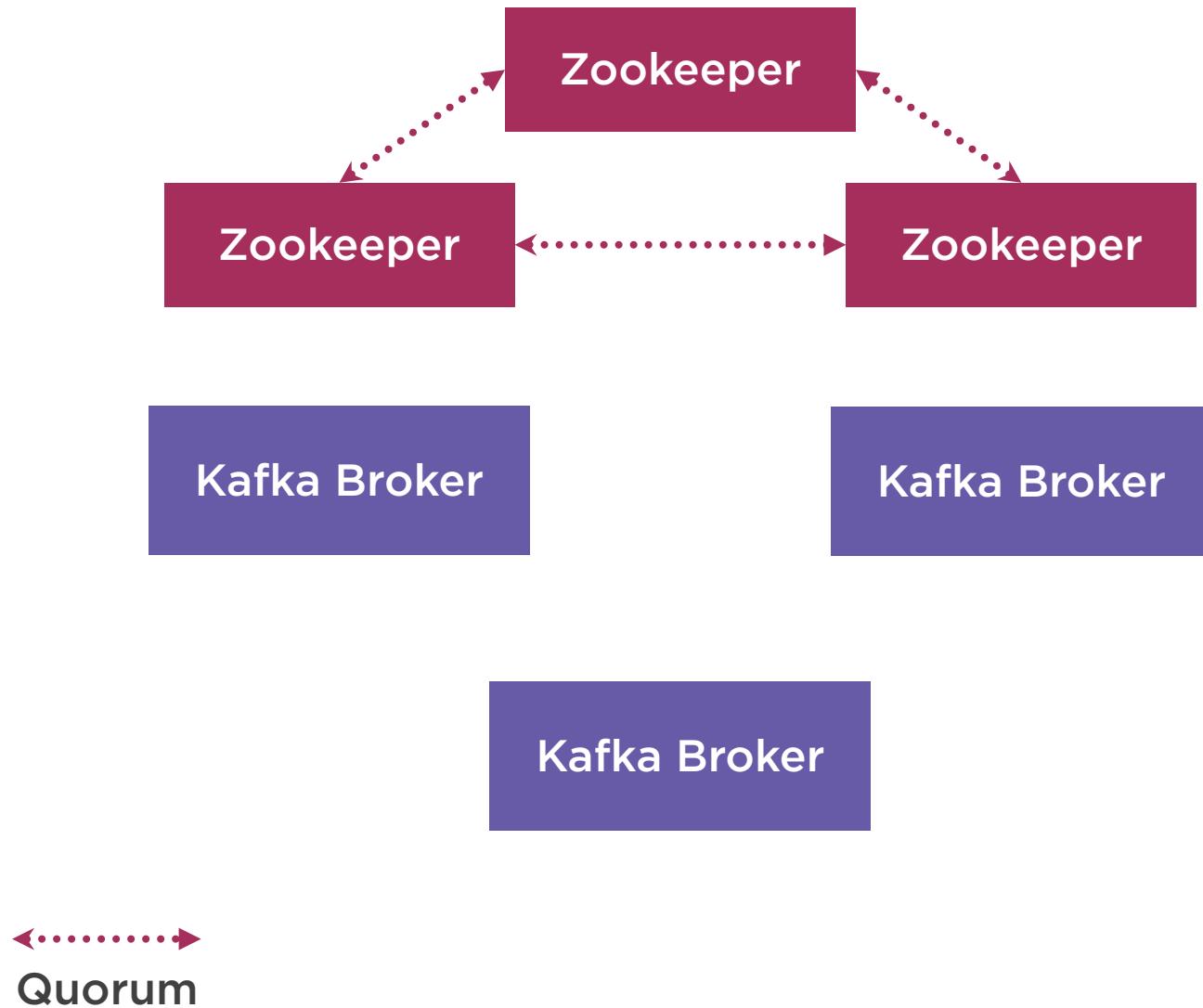
Bogdan Sucaciu

SOFTWARE ENGINEER

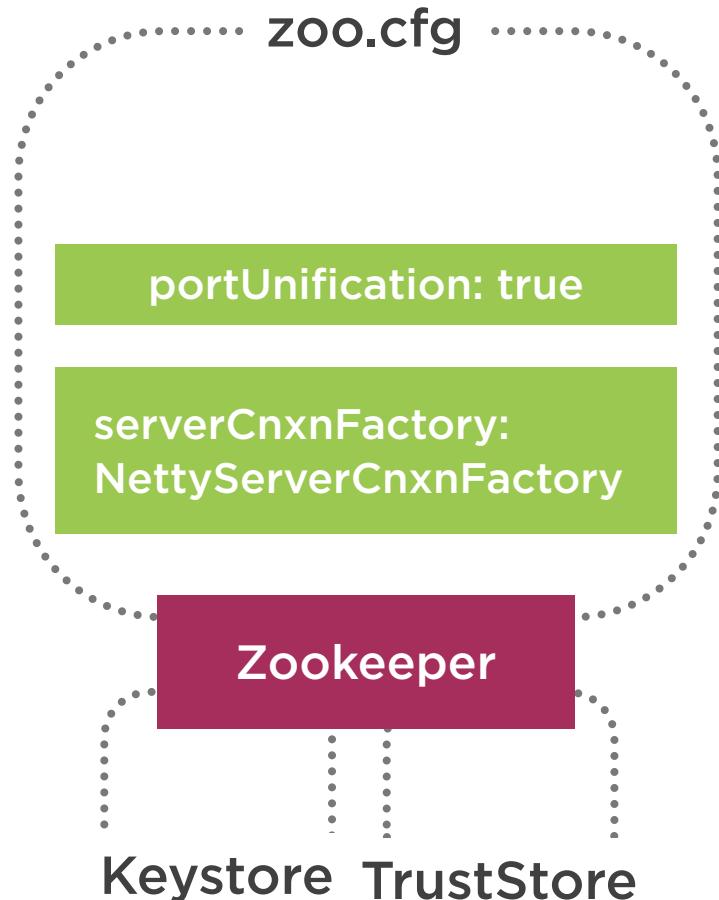
@BSucaciu bsucaciu.com



Zookeeper Security



Zookeeper Quorum SSL

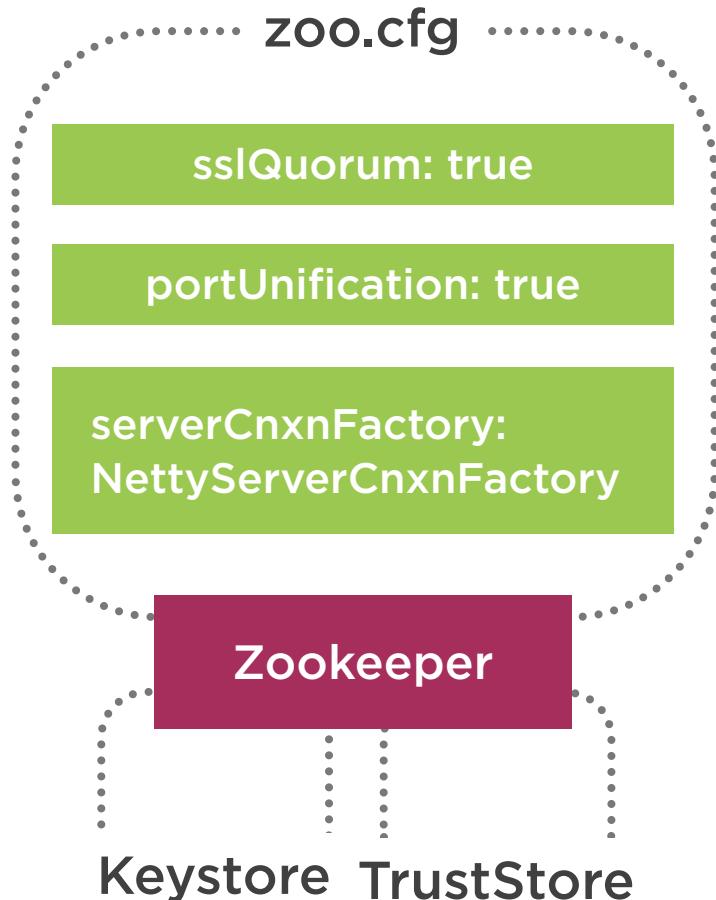


1st Rolling Update:

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



Zookeeper Quorum SSL



1st Rolling Update:

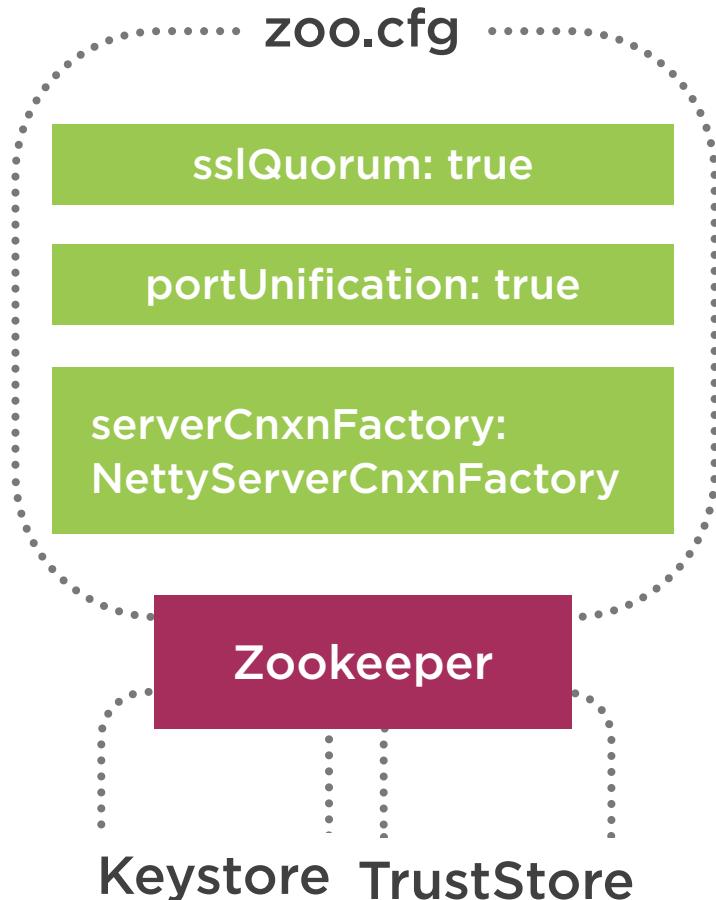
- Add Key / Trust Stores
- **portUnification= true**
- **serverCnxnFactory= NettyServerCnxnFactory**

2nd Rolling Update:

- **sslQuorum= true**



Zookeeper Quorum SSL



1st Rolling Update:

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

2nd Rolling Update:

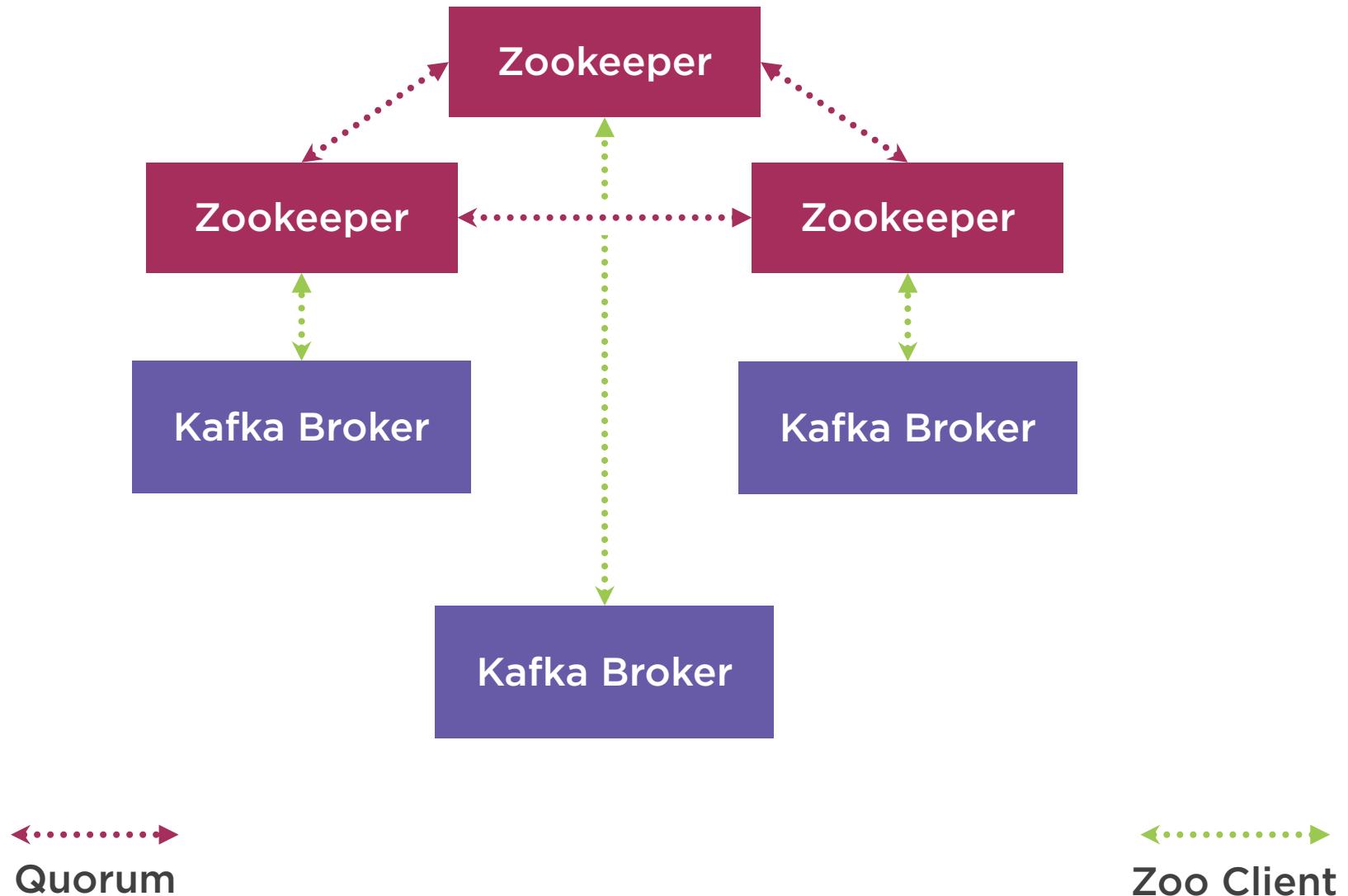
- **sslQuorum= true**

3rd Rolling Update:

- **portUnification= false**



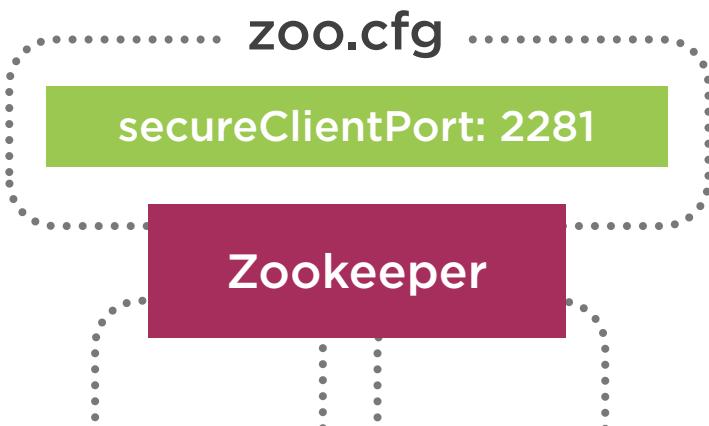
Zookeeper Security



Zookeeper-Broker SSL

Rolling Restart:

- Open Secure Client Port

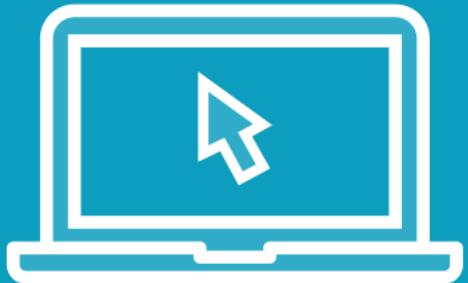


Rolling Restart:

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



Demo



Zookeeper Quorum SSL

Zookeeper Broker SSL

Prerequisites:

- Docker
- Java 11+

