

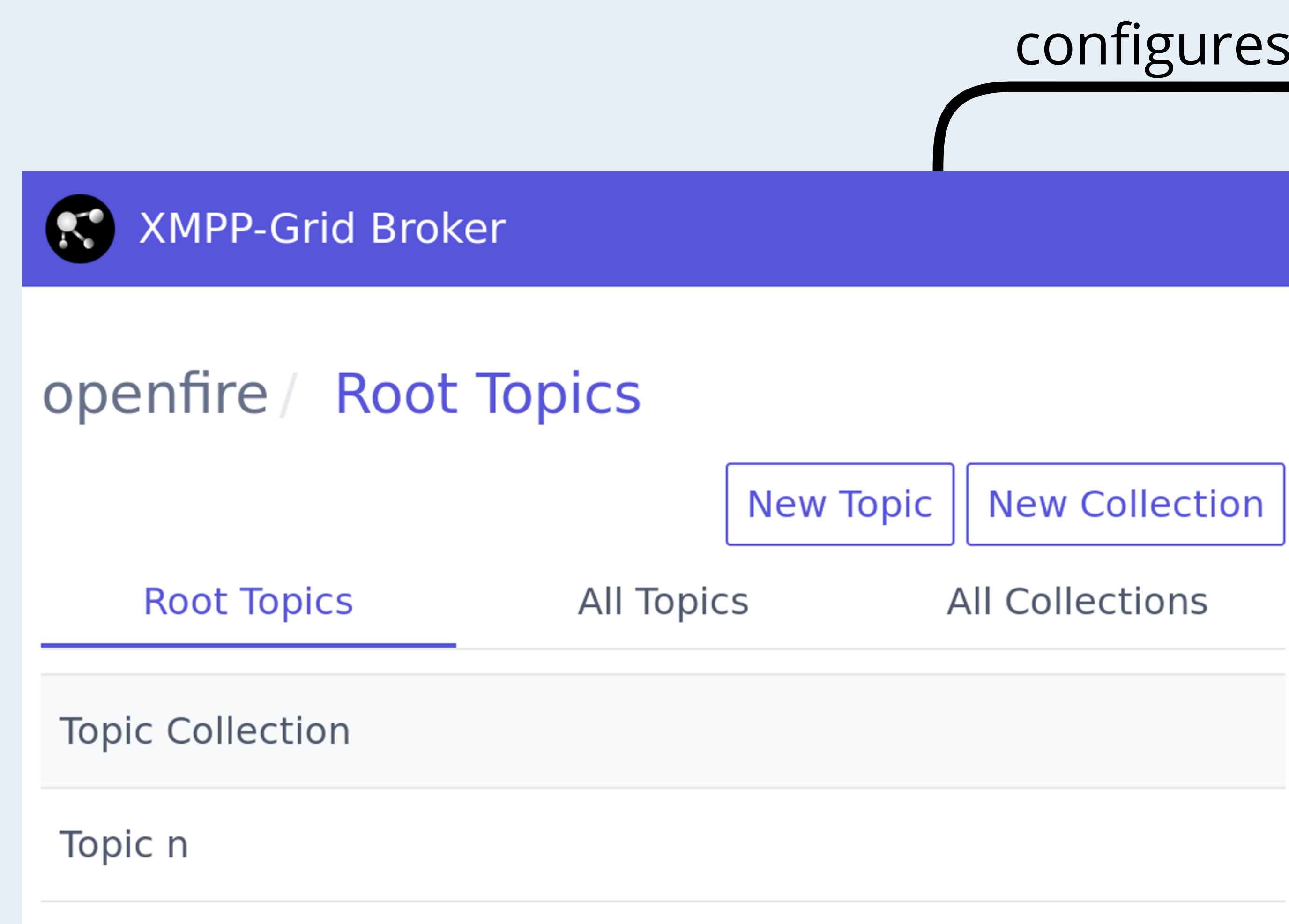
XMPP-Grid Broker

Thesis

- Goal: Implementation of XMPP-Grid broker
- Based on IEFT MILE standard draft:
Using XMPP for Security Information Exchange
- No production ready & platform independent broker implementation available today
- Focus on: Portability, extensibility and security

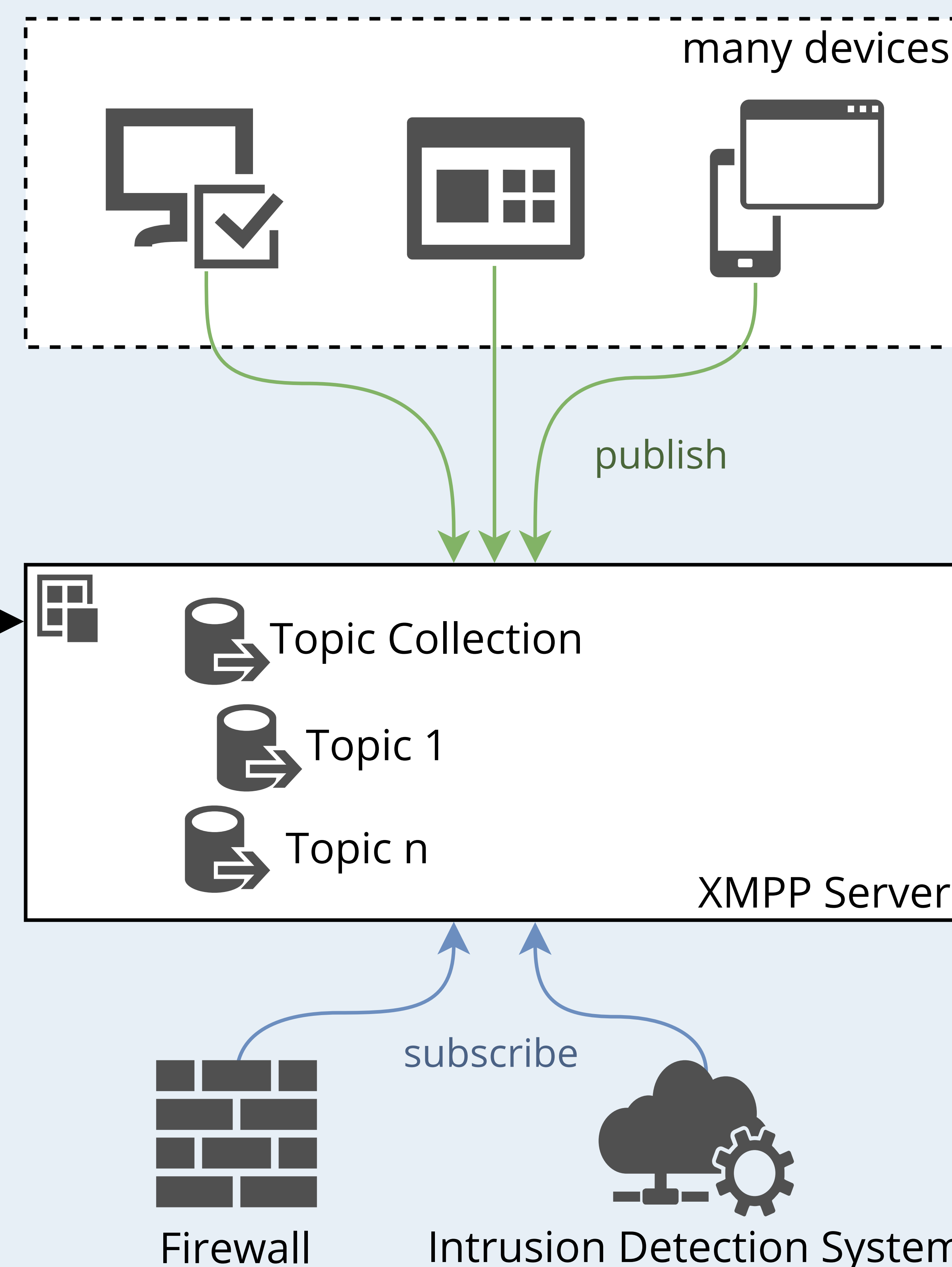
Features:

- Create and configure communication topics
- Apprehend XMPP-Grid hierarchy
- Inspect and publish persistent items



XMPP-Grid

XMPP based publish-subscribe mechanism to exchange security-relevant information between network endpoints.



Application

- Angular 5 with TypeScript
- XMPP from the web browser with Stanza.io using BOSH / WebSockets
- Broker usually communicates with XMPP server over a proxy, which also hosts the broker

