

## 11 Implementation details

This section is intended to STF developers only.

### 11.1 Architecture

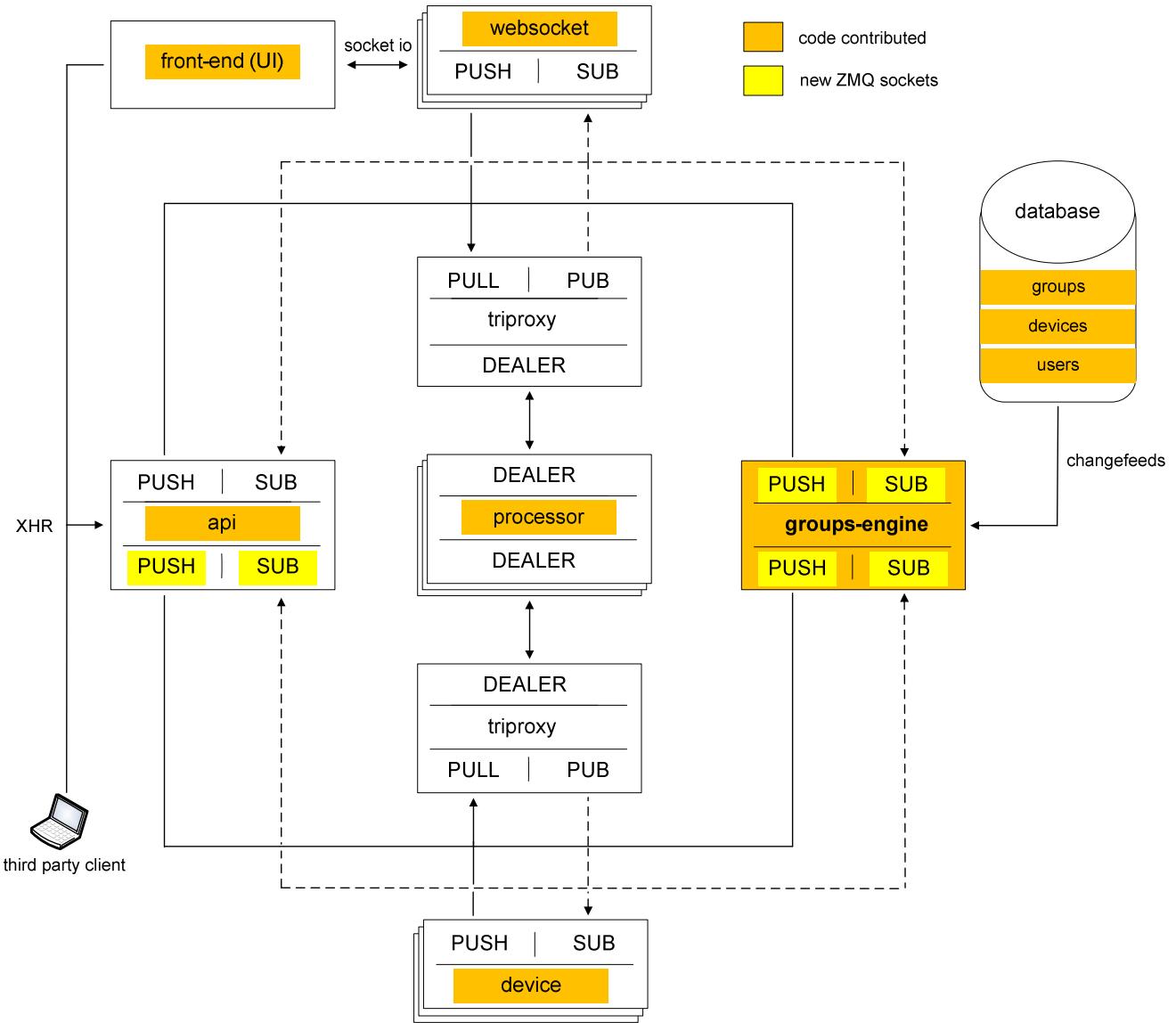


Figure 25: Architecture evolution

The STF architecture evolved mainly by adding the **groups-engine** module with direct impacts on some other modules as illustrated in the Figure 25 above.

The **groups-engine** module is made of four main functions ensuring in particular the consistency of operations ordered by the client side:

- **groups' scheduler:**
  - o triggered each second to manage lifecycle of groups: updates group state and group schedule dates, removes terminated groups, etc.
- **groups' watcher:**