

Task description:

We want to design a smart home management system.

In our system there will be a large number of devices (**100 000**) that will communicate with each other **P2P and through the server** (on average **1 request per second** from each device).

There will be a large number of users (**10 000**) who will manage devices, view events, delegate device management to other users.

Propose a system architecture that will support:

- Reliability
- Scalability
- Maintainability

