

The purpose of the work is to increase the resiliency of traditional architecture for the IoT platform by improving it.

To achieve this goal, the following tasks are solved in the work:

- analysis of modern IoT platform;
- research on existing architectural solutions for the IoT platform;
- cloud platform analysis for building IoT infrastructure;
- development and validation of my own architectural solution;
- analysis of the results obtained to formulate recommendations for the use of the architecture solution.

The object of study is a architecture of the IoT platform.

The subject of study is the fault-tolerant architectural solution for the IoT platform