**Introduction**

* What is the function of our system?
* What are the users of our system?
* What kind of information does this system store?
* What are the main threats?

**System components**

* Kerberos Server;
* MDRecords (Server);
* MDRecords (Client);

**Key distribution**

**Security mechanisms**

* Private/public key pairs
* Certificates
* Authentication layer -
* Encryption on the server - Kerberos stores a key, which is passed to the server when we want save anything in the database. This key passage is performed through handlers.
* Access policies – Why using ABAC system? With ABAC we can do a more fine-grained access control, because even inside Doctors group, we want to make some distinctions.
* Log for non-repudiation – When some record

**Live demo**

**Conclusion/further work**