

Workshop task: NFC communication – NFC tags

Supported by project IP 2021 FBMI ČVUT

Aim of this workshop task is to get familiar with NFC technology in mobile devices. This workshop task is designed for Android devices. (Apple devices will probably work as well, but were not tested.)

1. Explore how does NFC tag look in reality.tagů.
2. Install an app for configuring NFC tags, e.g. **NFC Tools**.
3. Turn on NFC, read tag-specific information.
4. Explore which types of records it is possible to save (write) into the tag.
5. Write some information into the tag (see below).
6. Tidy up your workplace.

Tasks/Questionnaire :-) : **PLEASE ANSWER IN BRIEF!!!**

What type of tag have you received? What is its maximal memory size?

Find serial number of the tag and write it down:

Try to write following records into the tag (with respect to memory size):

- *link to Faculty's website,*
- *contact (aka business card) – use your faculty email address and your name, other values random,*
- *georeference (address),*
- *credentials for WiFi network.*

Next, try to read the tag and observe, how the system reacts.

**NAME, SURNAME,
GROUP, DATE:**