

Projects



PA193 – Secure coding

Petr Švenda

Zdeněk Říha

Faculty of Informatics, Masaryk University, Brno, CZ

CRCS

Centre for Research on
Cryptography and Security

Projects – first part

- Writing code
 - Group work (!)
 - Maximum: 10 points
 - Deadline: 11 Nov 2015, 24:00 (code in IS)
 - Presentation: 12 Nov 2015 in seminar groups
 - Presented by a random team member
 - Parser/input for a particular data type

Code

- In C or C++
- Parsing input data in some particular format
- Printing the data
- Rejecting malformed inputs
- If format is complicated selected a limited set of features/elements/tags or other limitation
- No set of formats is given to you to choose from

Using existing libraries

- It is not allowed to use existing libraries related to parsing of your data formats

Formats to parse

- Select a format you want to parse
- HOW TO DO IT:
 - Select format you like (to parse)
 - Suggest the format by email to: zriha@fi.muni.cz
 - Wait for an email approval
 - The sooner the format is agreed the sooner you can start programming
 - Deadline: 11 Nov 2015, 24:00 for code in IS

Formats: inspiration from 2014

- GPS coordinates in all used formats
- ZIP files
- SYSLOG format
- JSON (for ...)