CS7053/CS7453/CS7NS5/CS4407

Security & privacy

Stephen Farrell
stephen.farrell@cs.tcd.ie
x2354, Room WR3.4

Course materials:
https://down.dsg.cs.tcd.ie/cs7053/
https://github.com/sftcd/cs7053

Slideware + some papers
Administrivia

• Lectures:
  – Mon 1600-1800, LB04
  – Thur 0900-1000, LB01

• Dates:
  – Term: Today -> April 12th
  – Reading week: Mar 4th – Mar 8th
  – Me away: week of Mar 25th
    • Will let you know what’s on closer to time
Examination

• 80%/20% exam/assignments marking split
  – Old exam questions/solutions:
    – https://down.dsg.cs.tcd.ie/old-exams

• Assignment 1 (15%)
  – “security & privacy considerations”

• Assignment 2 (5%)
  – “security incident” or PR for course repo

• Due dates:
  – Due: any time up to the last day I'm marking exam papers, April 1\textsuperscript{st} if you prefer a date
  – Submit via blackboard – Module CS4407
  • Email me if any issues
Assignment Tasks

• Security & Privacy Considerations:
  - 3-4 pages usually; use in dissertation/FYP
  - Discuss the security & privacy issues of your dissertation/FYP topic
  - See RFCs 3552, 6973 and W3C tech report on sec/privacy considerations
    https://www.w3.org/TR/security-privacy-questionnaire/

• Security Incident:
  - 1 page describing a significant incident that happens during the course saying why its significant
  - Or, a github PR that's accepted
Course Outline

• Introduction
• Security and privacy concepts
• (Enough) cryptography (AES, RSA, ...)
• (To grok) core security standards (TLS,...)
• Stuff that's interesting for the last few weeks (liable to change)