

SOA and WebServices 2018

Assignment 2



Instructions:

This assignment forms part of your final marks for this course.

This assignment must be submitted by email to barry.corish@gmail.com before 18:00 on 2018-12-06 (not 2018-11-14 as previous published). Late assignments will be penalised.

Your submission must be entirely your own work. Note carefully the requirement below in respect of citations.

You must submit a single file as an attachment to the email.

Acceptable file formats are: Microsoft Word (.doc or .docx), Plain Text (.txt) , or PDF (.pdf)

Notes:

As always, feel free to discuss this assignment with each other, but your submission must be entirely your own work.

To score better than a basic “pass”, you will need to do some research, and refer to or quote from other resources (books, websites etc.) in the course of your essay. If you use content from other resources, you must note and refer to the other resource with a “citation reference”.

If you use content from other sources, and do not note this with a citation reference, this will be regarded as plagiarism (“cheating”), and your essay will be marked accordingly.

Citations should follow “APA Style” – there is a good introduction here:

<http://www.apastyle.org/learn/tutorials/basics-tutorial.aspx>

In particular, look at the sections on “Citing References” and “The Reference List”

If you wish, you may include diagrams and other illustrations in your essay. Unless you produce these “from scratch” yourself, again you should note where they are copied from, (or what they are based on), with a citation reference, as above.

Requirement:

Write an essay on the following topic:

“Managing Security Threats in an SoA / WebService environment”

You must cover at least the following:

- Why following a Service Oriented Architecture can leave an organisation particularly vulnerable to security threats.
- The nature of those threats (internal and external to the organisation), and the risks associated with them.
- The features of WebServices that can make the vulnerable to security threats.
- Relevant “network” and “application” level countermeasures (including references to relevant standards and technologies), and identifying how those countermeasures address the specific threats you have identified.
- Any other topics you consider relevant.

The essay should be of not less than 2,000 words, and not more than 2,500 words. This word count excludes your Citation Reference list.