# Diseño y programación seguras

# Assignment 2: Security Assessment Questionnaire

**Andrés Llamosas Barrio**

# Id

| ID | Company | Release date | Version |
|---|---|---|---|
| ASAQ | Carnegie Mellon Univ. ISO | | |
| VSAQ | Google (Unofficial product) | January, 2021 | |
| ASQ | HIMSS | February, 2007 | 2.3 |
| SANS | Purdue Univ. ISO | | 8.4 |

# Goal of the questionnaire

| | |
|---|---|
| ASAQ | Know host based, application or physical vulnerabilities of an enterprise |
| VSAQ | Recognize any vulnerability related to web application, security, privacy, infrastructure or physical security |
| ASQ | Know vulnerabilities that remote-access applications may have |
| SANS | Review any risk that any software may present to the university resources |

# Target users

| | |
|---|---|
| ASAQ | Any enterprise or organization |
| VSAQ | Any enterprise or organization |
| ASQ | Healthcare providers with teleworking services or other remote accesses |
| SANS | Any enterprise or organization in North America |

# Description

| | |
|---|---|
| ASAQ | Collects basic information of the company as well as audit information, network security information, service information and system information |
| VSAQ | Collects information of the company's application (vulnerability reports, authentication, testing and monitoring), the risks that all the information has to face and the policies for handling and protect the information, as well as information of the network used, backups, encryption system and office and datacenter security |
| ASQ | Test-based questionnaire about remote-access applications, comprising authentication, remote access, configuration management, data export and transfer and some information about the level of sensitivity to malicious code |
| SANS | Collects information about the department requesting the reviewed application, the way the company manages used, stored and proccessed data, its usage intentions, security architectures used, and other informations and policies related to the company security |

# Positive

| ASAQ | Simple and easy to fullfil |
|---|---|
| VSAQ | Very intuitive, with tips and recommendations to improve security level. All the questionnaires can be extended to fill in any company-specific requirements |
| ASQ | Very intuitive with clear and simple questions |
| SANS | Very extensive on any aspect of a vendor application |

# Negative

| ASAQ | Too simple for an in-depth assessment |
|---|---|
| VSAQ | Needs to be deployed on a web server |
| ASQ | Only oriented to healthcare providers |
| SANS | Unintuitive and abstract. Measures risks in an unobjective way |

# Choice

For the Security assessment I am using VSAQ. Is the most suitable questionnaire from the previous ones.