

## Server and Services Security Management Individual Assignment

### **Objective**

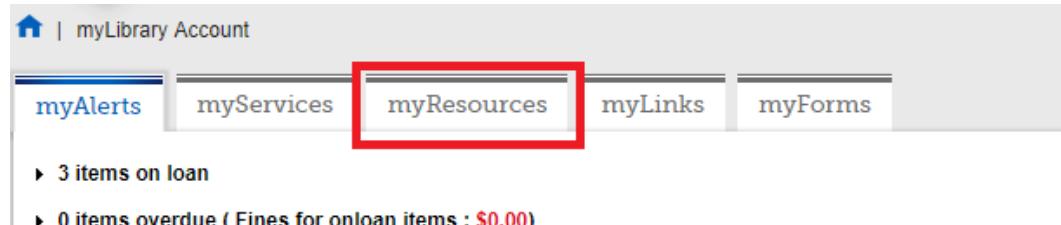
To explore, analyse, deliberate and recommend security technology solutions for one of the following cybersecurity threat:

- Fileless Malware
- Cryptojacking Malware
- Spectre/Meltdown Malware

**ICA Weightage: 10%**

### **Instructions**

1. This is an individual assignment.
2. Each student to choose **ONE (10) of the above threats** to brainstorm and analyze before writing the report. The overall assessment for the assignment is 10%. You must choose from one the following: (a) Fileless Malware, (b) Cryptojacking or (c) Spectre/Meltdown, which should have had some knowledge after watching the videos during Week 3 SDL Week.
3. Research the threat. **You MUST download one reference from Gartner Research** to help support or elaborate the topic that you have chosen. It could be to help explain a technology solution to the problem, or describe what is the problem.
4. The study must include 4 sections: the description, nature of threat and threat mitigation and conclusion.
  - a) Description: What is the cause of the threat? Why is it a threat?
  - b) Nature of threat: What are the potential threats faced by online users?  
Provide more information about the threat e.g. date launched, the damage caused by the threat, who are the affected users etc...?
  - c) Threat mitigation: Provide recommendations on how the threat can be avoided, minimized or controlled?
  - d) Provide an overall conclusion to the threat.
5. Write a report in MS Word document (Between 500-1000 words). The report **MUST** provide references using hyperlink tags to web sites. As mentioned in **point 3**, one of the references must be from Gartner. Please refer to Blackboard on how you can use Gartner Research through our Library. To use Gartner, do the following:
  - a. Login to NYP Library Portal (<https://library.nyp.edu.sg>) using your student account
  - b. Click myResources



myAlerts | myServices | **myResources** | myLinks | myForms

- ▶ 3 items on loan
- ▶ 0 items overdue ( Fines for onloan items : \$0.00)

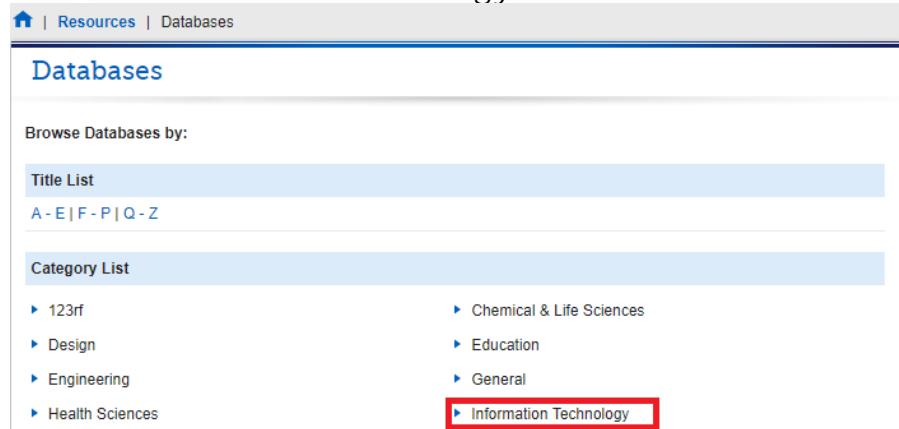
- c. Click Databases



myAlerts | myServices | **myResources** | **Databases** | myLinks | myForms

▶ Databases ▶ E-Books

- d. Agree to the Terms and Conditions  
 e. Click on Information Technology



Resources | Databases

### Databases

Browse Databases by:

Title List  
A - E | F - P | Q - Z

Category List

▶ 123rf	▶ Chemical & Life Sciences
▶ Design	▶ Education
▶ Engineering	▶ General
▶ Health Sciences	▶ <b>Information Technology</b>

- f. Click on Gartner Core Research



**Information Technology**

Gartner Core Research  
(Unlimited Concurrent Users)

▶ More Info

+ FAVOURITE + Share 0

6. You are expected to organize, elaborate and expand on the threats.  
**Reports with large portions copied from the original reference will not gain any marks.**
7. Submit your report (in soft copy) through **Blackboard Turnitin** by the end of Week 12. The due date is **Sunday, 1 July 2018 by 11:59pm**. Late submissions will incur a penalty of 5% of total ICA marks **per day**.

**Report Outline and Marking Scheme**

- |  |            |
|--|------------|
| 1. Cover Page and Index  | (10 marks) |
| 2. Executive Summary (A short intro of your report, 1 or 2 para) | (10 marks) |
| 3. Report Formatting   | (10 marks) |
| • Main Content   | (10 marks) |
| • Description of Threat  | (20 marks) |
| • Nature of Threat   | (20 marks) |
| • Mitigation of Threat   | (10 marks) |
| • Conclusion   | (10 marks) |
| 4. Text References   | (10 marks) |

## Pages of Sample Report

