



PROJECT PLAN

March – May 2023

Internship @ Capgemini 

MALWARE ANALYSIS



INTRODUCTION

Name: Frederik Crauwels

THOMAS
MORE

Student Cloud &
Cyber security

Internship: Malware analysis @

Capgemini 

“MAKING THE WORLD A
SAFER DIGITAL PLACE”



GET THE
FUTURE
YOU WANT



CAPGEMINI

*“We are fortunate to **work at the heart of today’s major transformation**, to contribute to development in every industry, and to help simply make our planet a better place. And we do this as we have always done at Capgemini: with passion and energy, and all together.*”

Aiman Ezzat
Chief Executive Officer (CEO)





UNLOCKING THE VALUE OF TECHNOLOGY

A business and technology transformation partner

**WORKING WITH
85%**

Of the **200 largest
public companies**
on the Forbes
Global 2000 list

1.9 MILLION

Have obtained an
advantage with
**digital inclusivity
initiatives**
since 2018

10 YEAR

In succession named
as **one of the most
ethical companies** in
the world by the Ethisphere
institute

**CAPGEMINI RESEARCH
INSTITUTE
#1**

**Six years in
succession** for its
qualitative research by
Global Research



INTERNSHIP OBJECTIVES

Malware analyse with the aim of **informing** an **audience** - both with **basic** and **advanced knowledge**.

- **Malware analysis:** analyzing **malicious software** (malware) using **tooling**.
 - **Static analysis:** attempting to analyze malware **without triggering** the malicious intent.
 - **Dynamic analysis:** attempt to further analyze malware **with activation of** the malicious intent.
 - **Reverse engineering & debugging:** a separate set of cyber skills - but not trivial to reveal the **true nature of malware**.

Purpose: presenting a demo to an audience: basic- and advanced knowledge (**2 target audiences**).

- **Basic knowledge:** trying to explain what malware is, how it works, how to protect yourself (awareness) and a short demo of as real an example as possible.
- **Advanced knowledge:** everything from basic knowledge with a more detailed approach to tools, definitions and general context and explanation.

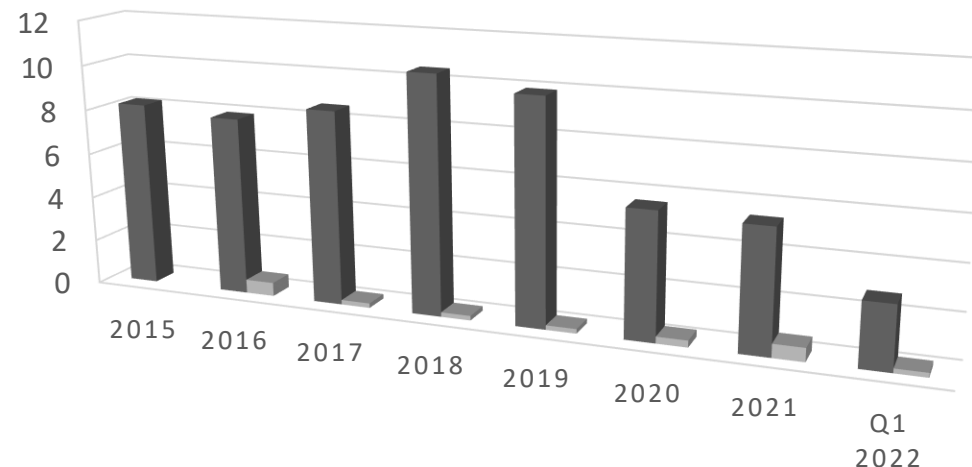
WHY

Why malware analysis is so important? Look at this data on the right.

The **business case** - aka the **why** in this story: malware is, unfortunately, now everywhere. It can be used to target both personal- and professional devices.

Payment does happen less and less. However, *the “worth” does go up.*

YEARLY # MALWARE ATTACKS WORLDWIDE 2015 – Q1 2022 (IN BILLIONS)



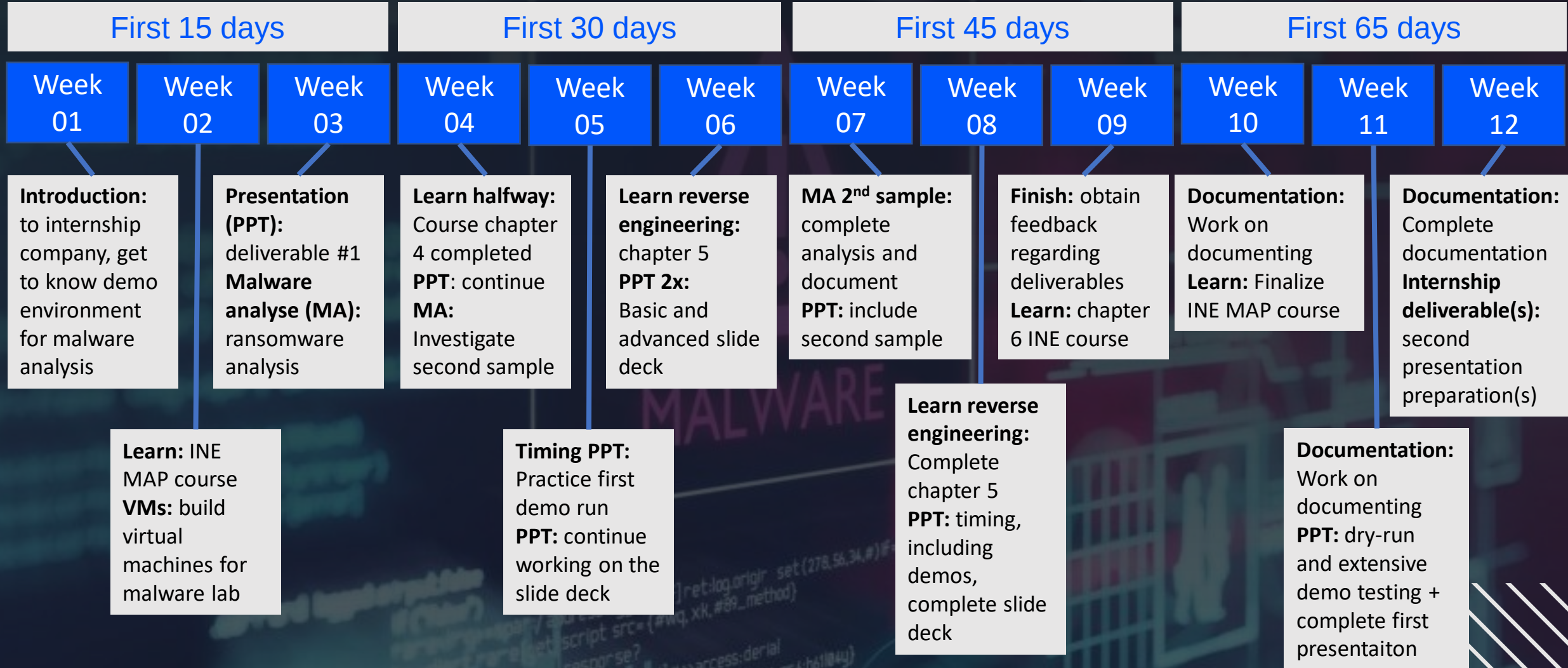
	2015	2016	2017	2018	2019	2020	2021	Q1 2022
■ Malware attacks	8.2	7.9	8.6	10.5	9.9	5.6	5.4	2.8
■ Ransomware		0.6	0.2	0.2	0.2	0.3	0.6	0.2

[Statista | malware attack statistieken](#)

	2019	2020	2021	2022
Payment	76%	70%	50%	41%
No payment	24%	30%	50%	59%
Worth	\$174 M	\$765 M	\$766 M	\$457 M

[Bleepingcomputer | ransomware betaling statistieken](#)

WHEN PLANNING



COMMUNICATION



WEEKLY REPORT

Containing documentation
about daily functioning.

When required: teams,
mail, chat

PDF DOCUMENT
TEAMS



WEEKLY REPORT

Containing documentation
about daily functioning.

When required: teams,
mail, chat

PDF DOCUMENT
TEAMS



FEEDBACK MEETING 1X / WEEK

At least 1x / week a longer
feedback session. Check
on progression and
deliverables
expectation(s)

MEETING MINUTES
WORD DOCUMENT

THANK YOU QUESTIONS?

Thank you for your time, attention and presence.

Do you have any questions?

**FREDERIK
CRAUWELS**

**INTERNSHIP
2023**

**THOMAS MORE
CAPGEMINI**