

# How To Write A Security Assessment Report

Michael Markevich,  
Cybersecurity Trainer

# About Me

- Penetration tester, IT auditor, security manager, university lecturer, etc. (in the past)
- Fractional CISO, consultant, and trainer (now)
- Based out of Oslo, Norway
- Have written many reports (and read even more)



# Why Are You Here Today?

As penetration testers or IT auditors, we want to deliver our work in the most impressive and convincing manner.

# Agenda

1. What makes a poor report?
2. Typical issues and mistakes
3. Essential components of a good report
4. Tools and automation
5. Practical exercise
6. Q&A and feedback

# What Makes A Poor Report?

# Common Issues

- Unclear target audience
- Lack of terms and definitions
- Technical weaknesses and mistakes
- Inconsistent design, layout, typos

# And Even More Issues

- Lack of understanding of the business impact
- Lack of engagement with the audience

# Writing A Good Report



# Understand The Audience

Who will be reading your report?

# Define The Structure

Typically, we include:

- Summary
- Methodology and terms/definitions
- Scope
- Findings

But what is the right sequence? Anything else to add?

# Tell A Story

Everyone loves stories. So why not to tell them?

Example: a CUPS vulnerability (disclosed yesterday)



# Select The Language

RFC 2119 ("Key words for use in RFCs to Indicate Requirement Levels") provides a great example of standardizing the document language.



# Use A Template

A pre-defined format helps deliver information in a consistent and structured manner.

# Describe Findings

What to include:

- Unique identifier
- Title
- Description
- CVSS score (and/or severity)
- Attack scenario (with the ability to reproduce)
- Recommendations (?)

# Proofread!

Ask another pair of eyes for a peer review (it can be an AI, of course).

# Automation And Tools



# Prerequisites

The choice of a "technology stack" depends on where your pentesting source data comes from.

# What's On The Market?

- Tools for pentesting teams (DefectDojo, Dradis, Faraday)
- Various generic reporting tools (Ghostwriter, Serpico, etc)
- Content and format linting tools
- AI-assisted tools for proofreading (like Grammarly)

Thank You

Q&A / Feedback