

UNIVERSITY OF AMSTERDAM  
SYSTEM AND NETWORK ENGINEERING  
SECURITY OF SYSTEMS AND NETWORKS



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## Exhaustive Search on URL Shorteners

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## **Abstract**

NOTE TO TEAM: This is just a first attempt on an abstract that can work as a guiding light. We'd better write the abstract after the report is finished. Which makes more sense. Peace. And love.

In this project we focus on URL shortening services, from a security point of view.

Our first aim is to determine the feasibility of an exhaustive mapping of all the short links to their respective long urls, estimating the cost in both time and computational resources. Secondly we try to discover the nature and the amount of sensitive (usernames, passwords, system configurations, user details, etc.) data that has been deposited to such services, and eventually pinpoint security holes that might have been leaked through them. Our final aim is to try and determine if there is some sort of mapping relationship between the long and short urls. The research methodologies and software tools used for the project are described in detail. The results and interesting findings are presented and the appropriate discretion is applied where deemed necessary.

# **1 Introduction**

This project is gonna change the history of systems security.