Research Document

Table of contents

Contents

Introduction

About the research

 The goal of the research is to investigate how a content security policy can be implemented on a ReactJS frontend and the most efficient way possible. The attack surface of the frontend should be greatly reduced because the policies would only allow certain things that are necessary for the application to work which would also reduce the possibility of a successful cyber-attack.

Approach

 The main question to be answered is "How do we implement content security policies on a ReactJS frontend?"

 First, I would create a list of subquestions which would be helpful in finding an answer. Then, I would answer each subquestion by using different research methodologies like Library Research. Then, I will write a conclusion to the findings and recommendations.

Research

First, a number of subquestions should be created:

1. What attacks can be prevented or mitigated with content security policies?
2. Where should the content security policies be placed?
3. How do we specify which sources are allowed and which aren't allowed?
4. What are some techniques to reduce the attack surface of the application as much as possible?
5. Are the content security policies going to cause potential issues for the performance of the application.

Library Research

Answers

Conclusions

Recommendations

Bibliography