3.1

3.1.1 User ID controlled by request parameter, with unpredictable user IDs

Graphical user interface, text, application

Description automatically generated

Graphical user interface, website

Description automatically generated

Graphical user interface

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, website

Description automatically generated

3.1.2 **User ID controlled by request parameter with data leakage in redirect**

**Graphical user interface, text, application, email, website

Description automatically generated**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, email

Description automatically generated

Graphical user interface, text

Description automatically generated

3.2 Insecure Direct Object References (IDOR)

Graphical user interface, text, application, email

Description automatically generated

Table

Description automatically generated

Graphical user interface, text, email

Description automatically generatedGraphical user interface, website

Description automatically generated

## 3.3 Access control vulnerabilities in multi-step processes

Graphical user interface, text, application

Description automatically generated

A picture containing graphical user interface

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Timeline

Description automatically generated

Graphical user interface, text, application

Description automatically generated

## 3.4 Referer Based Access Control

Graphical user interface

Description automatically generated

Graphical user interface, text, application, chat or text message

Description automatically generated

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application

Description automatically generated

Graphical user interface

Description automatically generated with low confidence

## 3.5 Directory Traversal

1. Simple Case

A picture containing graphical user interface

Description automatically generated

Graphical user interface, text, application

Description automatically generatedGraphical user interface, text, application

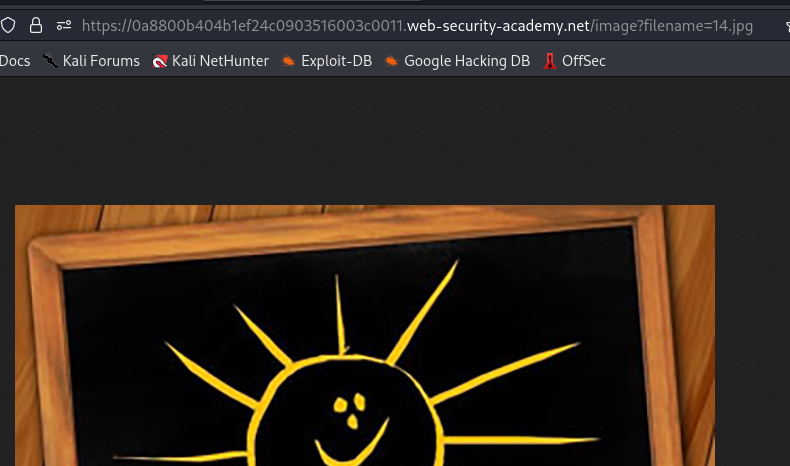
Description automatically generated

Graphical user interface, text, email

Description automatically generatedA screenshot of a computer

Description automatically generated with medium confidence

2. File path traversal, traversal sequences blocked with absolute path bypass

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

A screenshot of a computer

Description automatically generated with medium confidence

3. File path traversal, traversal sequences stripped non-recursively

Graphical user interface, application, website

Description automatically generated

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application, chat or text message

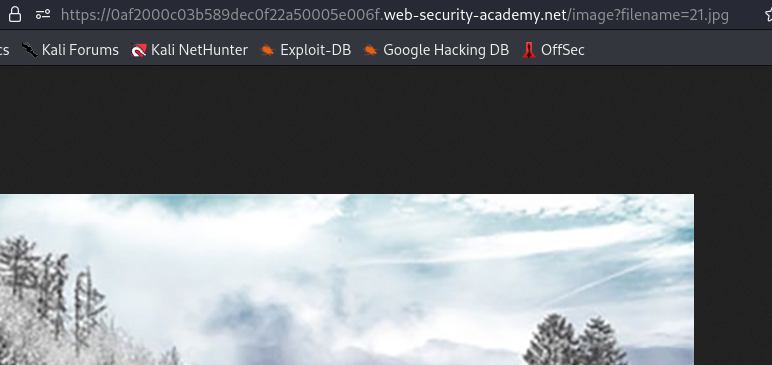
Description automatically generatedGraphical user interface, text, application

Description automatically generated

Graphical user interface, application

Description automatically generated with medium confidence

4. File path traversal, traversal sequences stripped with superfluous URL-decode

Graphical user interface, text, application, email

Description automatically generatedGraphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

A picture containing text

Description automatically generated

END