

Example Report

Demo Company

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Introduction

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Scope

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Customer

Test Inc.
Test Street 1
12345 Test

- **Tim Customer**
 - tim@customer.com
-

Service Provider

Lauritz Holtmann
Test Street 5
12345 Test

Project Team

- **Lauritz Holtmann**
 - pentest@lauritz-holtmann.de
-

Period: 2022-01-01 - 2022-01-12

Assets

- Web-Application **Test Shop**
- Database Server **Test DB**

Technical Details

In this section, all identified vulnerabilities are described in detail.

During the pentest, 12 findings with *high* severity, 3 findings with *medium* severity and one finding with informational severity were identified.

- **High:** Example
- **Informational:** Lorem
- **Informational:** Ipsum

#PEN20220001: XXE in Test Shop

Asset	CWE	Severity (CVSS v3.0 Base Score)	CVSS v3.0 Vektor
Test Shop	CWE-611	Critical (9.1)	CVSS:3.0/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:N

Description

This type of vulnerability arises, if an application processes XML and is configured to support external entities.

Exemplary Payload:

```
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE abcd [ <!ENTITY xxe SYSTEM "file:///etc/passwd"> ]>
<example>
  <item>&xxe;</item>
</example>
```

Recommendation

It is recommended to completely disable external entities (DTDs). Further guidance can be found in OWASP's [XML External Entity Prevention Cheat Sheet](#).

References

- [OWASP: XML External Entity \(XXE\) Processing](#)

#PEN20220002: XSS in Test Shop

Asset	CWE	Severity (CVSS v3.0 Base Score)	CVSS v3.0 Vektor
Test Shop	CWE-79	High (7.1)	CVSS:3.0/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:L/A:N

Description

A *Cross-Site Scripting* vulnerability has been identified.

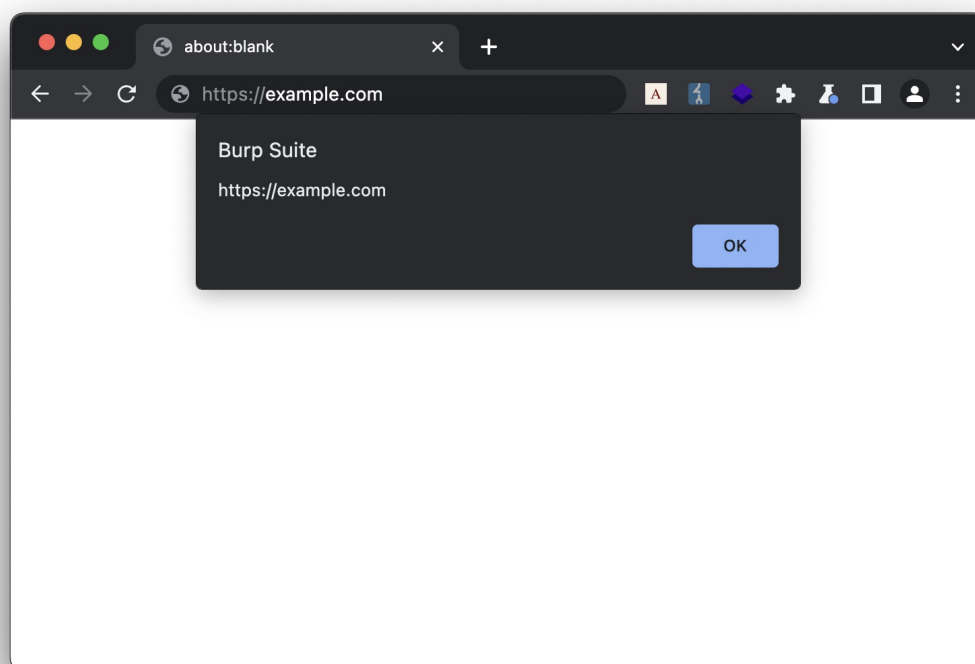
This type of vulnerability arises, if an application uses user-controlled inputs to generate dynamic outputs in an insecure manner.

Exemplary Payload:

```
<s>test</s>
```

JavaScript:

```
3  [...]
4  function demo() {
5      alert(1);
6  }
```



Recommendation

It is recommended to consider all input to the application as potentially dangerous. If user-controlled contents are embedded within the application, they need to be encoded and/or filtered in a *context aware* manner. If the contents are for instance reflected within the JavaScript Context, a different encoding and sanitization needs to be performed than for the HTML context. Further guidance can be found within OWASP's [Cross Site Scripting Prevention Cheat Sheet](#).

References

- [OWASP: Cross-Site Scripting \(XSS\)](#)

Conclusion

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