

# # TP SAST

## ## Exercice 1

Part\_1: **django\_extra\_used**

Part\_2: **exec\_used**

Part\_3: **hardcoded\_password\_string**

Changer la sévérité pour HIGH pas trouvé

Part\_4: **blacklist**

B310

Part\_5: **hardcoded\_sql\_expressions**

## ## Exercice 2

semgrep --config p/default doit être utilisé

16 Code Findings
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SQLi.cs

### >>> **csharp.dotnet-core.sqli.systemdata-taint.systemdata-taint**

Untrusted input might be used to build a database query, which can lead to a SQL injection

vulnerability. An attacker can execute malicious SQL statements and gain unauthorized access to

sensitive data, modify, delete data, or execute arbitrary system commands. To prevent this

vulnerability, use prepared statements that do not concatenate user-controllable strings and use

parameterized queries where SQL commands and user data are strictly separated. Also, consider using

an object-relational (ORM) framework to operate with safer abstractions.

Details: <https://sg.run/4EpL>

```
25 | using (SqlCommand cmd = new SqlCommand("SELECT * FROM  
users WHERE userId = '" + id +  
    "'"))
```

### >>> **csharp.lang.security.sqli.csharp-sqli.csharp-sqli**

Detected a formatted string in a SQL statement. This could lead to SQL

injection if variables in the

SQL statement are not properly sanitized. Use a prepared statements instead. You can obtain a

PreparedStatement using 'SqlCommand' and 'SqlParameter'.

Details: <https://sg.run/d2Xd>

```
25 | using (SqlCommand cmd = new SqlCommand("SELECT * FROM
users WHERE userId = '" + id +
    "'"))
```

blindsqli.php

### >>> **php.lang.security.injection.tainted-sql-string.tainted-sql-string**

User data flows into this manually-constructed SQL string. User data can be safely inserted into SQL

strings using prepared statements or an object-relational mapper (ORM).

Manually-constructed SQL

strings is a possible indicator of SQL injection, which could let an attacker steal or manipulate

data from the database. Instead, use prepared statements ( ` \$mysqli->prepare("INSERT INTO test(id, label) VALUES (?, ?)"); ` ) or a safe library.

Details: <https://sg.run/lZYG>

```
17 | $count = $db->querySingle('select count(*) from secrets where
id = ' . $_GET['id']);
```

example1.rb

### >>> **ruby.rails.security.injection.tainted-sql-string.tainted-sql-string**

Detected user input used to manually construct a SQL string. This is usually bad practice because

manual construction could accidentally result in a SQL injection. An attacker could use a SQL

injection to steal or modify contents of the database. Instead, use a parameterized query which is

available by default in most database engines. Alternatively, consider using an object-relational

mapper (ORM) such as ActiveRecord which will protect your queries.

Details: <https://sg.run/Y85o>

```
7 | con.query 'UPDATE users set name = ' + params[:name] +
```

example2.js

### >> **problem-based-packs.insecure-transport.js-node.using-http-server.using-http-server**

Checks for any usage of http servers instead of https servers.

Encourages the usage of https

protocol instead of http, which does not have TLS and is therefore

unencrypted. Using http can lead to man-in-the-middle attacks in which the attacker is able to read sensitive information.

Details: <https://sg.run/x1zL>

```
5 | var req = http.request(options, function(res)
```

mysql.js

### **>>> javascript.express.security.injection.tainted-sql-string.tainted-sql-string**

Detected user input used to manually construct a SQL string. This is usually bad practice because

manual construction could accidentally result in a SQL injection. An attacker could use a SQL

injection to steal or modify contents of the database. Instead, use a parameterized query which is

available by default in most database engines. Alternatively, consider using an object-relational

mapper (ORM) such as Sequelize which will protect your queries.

Details: <https://sg.run/66ZL>

```
19 | sql : "SELECT * FROM users WHERE id=" + userId
```

### **>> javascript.express.mysql.express-mysql-sqli.express-mysql-sqli**

Untrusted input might be used to build a database query, which can lead to a SQL injection

vulnerability. An attacker can execute malicious SQL statements and gain unauthorized access to

sensitive data, modify, delete data, or execute arbitrary system commands. To prevent this

vulnerability, use prepared statements that do not concatenate user-controllable strings and use

parameterized queries where SQL commands and user data are strictly separated. Also, consider using

an object-relational (ORM) framework to operate with safer abstractions.

Details: <https://sg.run/306W>

```
21 | connection.query(query, (err, result) => {
```

```
  | |-----
```

```
28 | connection.query("SELECT * FROM users WHERE id=" + userId,  
(err, result) => {
```

### **>>> javascript.express.security.injection.tainted-sql-string.tainted-sql-string**

Detected user input used to manually construct a SQL string. This is usually bad practice because

manual construction could accidentally result in a SQL injection. An

attacker could use a SQL

injection to steal or modify contents of the database. Instead, use a parameterized query which is available by default in most database engines. Alternatively, consider using an object-relational mapper (ORM) such as Sequelize which will protect your queries. Details: <https://sg.run/66ZL>

```
28 | connection.query("SELECT * FROM users WHERE id=" + userId,  
(err, result) => {
```

### **>> javascript.express.mysql.express-mysql-sqli.express-mysql-sqli**

Untrusted input might be used to build a database query, which can lead to a SQL injection

vulnerability. An attacker can execute malicious SQL statements and gain unauthorized access to

sensitive data, modify, delete data, or execute arbitrary system commands. To prevent this

vulnerability, use prepared statements that do not concatenate user-controllable strings and use

parameterized queries where SQL commands and user data are strictly separated. Also, consider using

an object-relational (ORM) framework to operate with safer abstractions.

Details: <https://sg.run/306W>

```
35 | connection.query({  
36 |   sql : "SELECT * FROM users WHERE id=" +userId  
37 | },(err, result) => {
```

### **>>> javascript.express.security.injection.tainted-sql-string.tainted-sql-string**

Detected user input used to manually construct a SQL string. This is usually bad practice because

manual construction could accidentally result in a SQL injection. An attacker could use a SQL

injection to steal or modify contents of the database. Instead, use a parameterized query which is

available by default in most database engines. Alternatively, consider using an object-relational

mapper (ORM) such as Sequelize which will protect your queries.

Details: <https://sg.run/66ZL>

```
36 | sql : "SELECT * FROM users WHERE id=" +userId
```

sql.js

### **> javascript.express.security.audit.express-check-csrf-middleware-usage.express-check-csrf-middleware-usage**

A CSRF middleware was not detected in your express application. Ensure you are either using one such as ``csrf`` or ``csurf`` (see rule references) and/or you are properly doing CSRF validation in your routes with a token or cookies.  
Details: <https://sg.run/BxzR>

```
3 | var app = express()
```

#### **>> javascript.sequelize.node-sequelize-hardcoded-secret-argument.node-sequelize-hardcoded-secret-argument**

A secret is hard-coded in the application. Secrets stored in source code, such as credentials, identifiers, and other types of sensitive data, can be leaked and used by internal or external malicious actors. Use environment variables to securely provide credentials and other secrets or retrieve them from a secure vault or Hardware Security Module (HSM).  
Details: <https://sg.run/E7ZB>

```
5 | const sequelize = new Sequelize('database', 'username',  
'password', {
```

#### **>>> javascript.sequelize.security.audit.sequelize-injection-express.express-sequelize-injection**

Detected a sequelize statement that is tainted by user-input. This could lead to SQL injection if the variable is user-controlled and is not properly sanitized. In order to prevent SQL injection, it is recommended to use parameterized queries or prepared statements.  
Details: <https://sg.run/gjoe>

```
11 | sequelize.query('SELECT * FROM Products WHERE name LIKE ' +  
req.body.username);
```

#### **>>> javascript.express.security.injection.tainted-sql-string.tainted-sql-string**

Detected user input used to manually construct a SQL string. This is usually bad practice because manual construction could accidentally result in a SQL injection. An attacker could use a SQL injection to steal or modify contents of the database. Instead, use a parameterized query which is available by default in most database engines. Alternatively, consider using an object-relational mapper (ORM) such as Sequelize which will protect your queries.  
Details: <https://sg.run/66ZL>

```
11 | sequelize.query('SELECT * FROM Products WHERE name LIKE ' + req.body.username);
```

sqli.php

### >>> php.lang.security.injection.tainted-sql-string.tainted-sql-string

User data flows into this manually-constructed SQL string. User data can be safely inserted into SQL

strings using prepared statements or an object-relational mapper (ORM).

Manually-constructed SQL

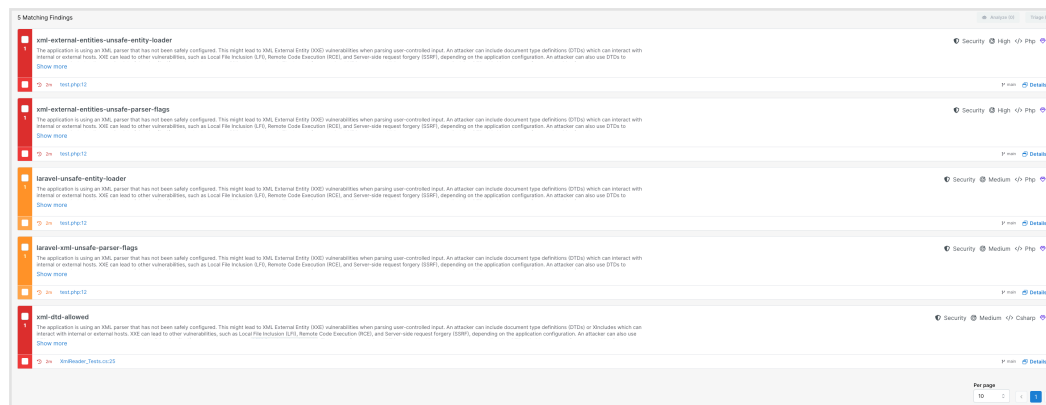
strings is a possible indicator of SQL injection, which could let an attacker steal or manipulate

data from the database. Instead, use prepared statements ( ` \$mysqli->prepare("INSERT INTO test(id, label) VALUES (?, ?)"); ` ) or a safe library.

Details: <https://sg.run/lzyg>

```
17 | $count = $db->querySingle('select count(*) from secrets where id = ' . $_GET['id']);
```

### 1



```
1 % semgrep --config p/default /Users/olivier/Library/Python/3.9/lib/python/site-packages/urllib3/ __init__.py:35: NotOpenSSLWarning: urllib3 v2 only supports OpenSSL 1.1.1+, currently the 'ssl' module is compiled with 'LibreSSL 2.8.3'. See: https://github.com/urllib3/urllib3/issues/3020 warnings.warn(
```

Scan Status |

Scanning 5 files (only git-tracked) with 1751 Code rules:

CODE RULES

Language	Rules	Files	Origin	Rules
<hr/>				
<multilang>	55	10	Community	1095
csharp	67	2	Pro rules	656
php	61	2		
js	241	1		

SUPPLY CHAIN RULES

💎 Run `semgrep ci` to find dependency vulnerabilities and advanced cross-file findings.

PROGRESS

---

———— 100% 0:00:00

5 Code Findings

XmlReader\_Tests.cs

**>>> csharp.dotnet-core.xxe.xml-dtd-allowed.xml-dtd-allowed**

The application is using an XML parser that has not been safely configured. This might lead to XML External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include document type definitions (DTDs) or XIncludes which can interact with internal or external hosts.

XXE can lead to other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-side request forgery (SSRF), depending on the application configuration. An attacker can also use DTDs to expand recursively, leading to a Denial-of-Service (DoS) attack, also known as a `Billion Laughs Attack`. The best defense against XXE is to have an XML parser that supports disabling DTDs. Limiting the use of external entities from the start can prevent the parser

from being used to process untrusted XML files. Reducing dependencies on external resources is also

a good practice for performance reasons. It is difficult to guarantee that even a trusted XML file

on your server or during transmission has not been tampered with by a malicious third-party.

Details: <https://sg.run/0zlv>

```
25 | XmlReader reader = XmlReader.Create(stream, settings);
```

test.php

### **>>> php.lang.security.xml-external-entities-unsafe-entity-loader.xml-external-entities-unsafe-entity-loader**

The application is using an XML parser that has not been safely configured. This might lead to XML

External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include

document type definitions (DTDs) which can interact with internal or external hosts. XXE can lead to

other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-

side request forgery (SSRF), depending on the application configuration. An attacker can also use

DTDs to expand recursively, leading to a Denial-of-Service (DoS) attack, also known as a Billion

Laughs Attack. The best defense against XXE is to have an XML parser that supports disabling DTDs.

Limiting the use of external entities from the start can prevent the parser from being used to

process untrusted XML files. Reducing dependencies on external resources is also a good practice for

performance reasons. It is difficult to guarantee that even a trusted XML file on your server or

during transmission has not been tampered with by a malicious third-party.

Details: <https://sg.run/5qPA>

```
12 | $document->loadXML($xml, LIBXML_NOENT | LIBXML_DTDLOAD);
```

### **>>> php.lang.security.xml-external-entities-unsafe-parser-flags.xml-external-entities-unsafe-parser-flags**

The application is using an XML parser that has not been safely configured. This might lead to XML

External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include

document type definitions (DTDs) which can interact with internal or



external hosts. XXE can lead to

other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-side request forgery (SSRF), depending on the application configuration. An attacker can also use

DTDs to expand recursively, leading to a Denial-of-Service (DoS) attack, also known as a Billion

Laughs Attack. The best defense against XXE is to have an XML parser that supports disabling DTDs.

Limiting the use of external entities from the start can prevent the parser from being used to

process untrusted XML files. Reducing dependencies on external resources is also a good practice for

performance reasons. It is difficult to guarantee that even a trusted XML file on your server or

during transmission has not been tampered with by a malicious third-party.

Details: <https://sg.run/GJxp>

12 | **\$document->loadXML(\$xml, LIBXML\_NOENT | LIBXML\_DTDLOAD);**

### **» php.laravel.security.laravel-unsafe-entity-loader.laravel-unsafe-entity-loader**

The application is using an XML parser that has not been safely configured. This might lead to XML

External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include

document type definitions (DTDs) which can interact with internal or external hosts. XXE can lead to

other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-

side request forgery (SSRF), depending on the application configuration. An attacker can also use

DTDs to expand recursively, leading to a Denial-of-Service (DoS) attack, also known as a Billion

Laughs Attack. The best defense against XXE is to have an XML parser that supports disabling DTDs.

Limiting the use of external entities from the start can prevent the parser from being used to

process untrusted XML files. Reducing dependencies on external resources is also a good practice for

performance reasons. It is difficult to guarantee that even a trusted XML file on your server or

during transmission has not been tampered with by a malicious third-party.

Details: <https://sg.run/lePG>

```
12 | $document->loadXML($xml, LIBXML_NOENT |  
LIBXML_DTDLOAD);
```

### » php.laravel.security.laravel-xml-unsafe-parser-flags.laravel-xml-unsafe-parser-flags

The application is using an XML parser that has not been safely configured. This might lead to XML

External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include

document type definitions (DTDs) which can interact with internal or external hosts. XXE can lead to

other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-

side request forgery (SSRF), depending on the application configuration. An attacker can also use

DTDs to expand recursively, leading to a Denial-of-Service (DoS) attack, also known as a Billion

Laughs Attack. The best defense against XXE is to have an XML parser that supports disabling DTDs.

Limiting the use of external entities from the start can prevent the parser from being used to

process untrusted XML files. Reducing dependencies on external resources is also a good practice for

performance reasons. It is difficult to guarantee that even a trusted XML file on your server or

during transmission has not been tampered with by a malicious third-party.

Details: <https://sg.run/YoAo>

```
12 | $document->loadXML($xml, LIBXML_NOENT |  
LIBXML_DTDLOAD);
```

Scan Summary
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Some files were skipped or only partially analyzed.

Scan was limited to files tracked by git.

Ran 422 rules on 5 files: 5 findings.

Findings		Group by Rule	1 of 100
Projects	All projects	100	100
Status	Open 5 Ignored		
Category	All categories		
Severity	High Medium Low		
Component	All components		
Confidence	High Medium Low		
Rule	All rules		
Subnet	All subnets		
Branch	Default		
1 Matching Findings			
<b>xml-external-entities-unsafe-entity-loader</b> The application is using an XML parser that has not been safely configured. This might lead to XML External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include document type definitions (DTDs) which can interact with internal or external tools. XXE can lead to other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-side Request Forgery (SSRF), depending on the application configuration. An attacker can also use DTDs to <a href="#">Show more</a>		Security High -> Prio	Details
<b>xml-external-entities-unsafe-parser-flags</b> The application is using an XML parser that has not been safely configured. This might lead to XML External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include document type definitions (DTDs) which can interact with internal or external tools. XXE can lead to other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-side Request Forgery (SSRF), depending on the application configuration. An attacker can also use DTDs to <a href="#">Show more</a>		Security High -> Prio	Details
<b>xxe-unsafe-entity-loader</b> The application is using an XML parser that has not been safely configured. This might lead to XML External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include document type definitions (DTDs) which can interact with internal or external tools. XXE can lead to other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-side Request Forgery (SSRF), depending on the application configuration. An attacker can also use DTDs to <a href="#">Show more</a>		Security Medium -> Prio	Details
<b>xxe-unsafe-parser-flags</b> The application is using an XML parser that has not been safely configured. This might lead to XML External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include document type definitions (DTDs) which can interact with internal or external tools. XXE can lead to other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-side Request Forgery (SSRF), depending on the application configuration. An attacker can also use DTDs to <a href="#">Show more</a>		Security Medium -> Prio	Details
<b>xml-dtd-allowed</b> The application is using an XML parser that has not been safely configured. This might lead to XML External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include document type definitions (DTDs) which can interact with internal or external tools. XXE can lead to other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-side Request Forgery (SSRF), depending on the application configuration. An attacker can also use DTDs to <a href="#">Show more</a>		Security Medium -> Config	Details

## 2

Findings		Group by Rule	1 of 100
Projects	All projects	100	100
Status	Open 5 Ignored		
Category	All categories		
Severity	High Medium Low		
Component	All components		
Confidence	High Medium Low		
Rule	All rules		
Subnet	All subnets		
Branch	Default		
2 Matching Findings			
<b>direct-response-write</b> Detected directly writing to a response object from user-defined logic. This bypasses any HTML escaping and may expose your application to a Cross-site scripting (XSS) vulnerability. Instead, use <a href="#">https://owasp.org/www-community/cheatsheets/XSS-Cheatsheet.html</a> to render safely escaped HTML. <a href="#">Show more</a>		Security Medium -> Javascript	Details
<b>xxe-unsafe-entity-loader</b> The application is using an XML parser that has not been safely configured. This might lead to XML External Entity (XXE) vulnerabilities when parsing user-controlled input. An attacker can include document type definitions (DTDs) which can interact with internal or external tools. XXE can lead to other vulnerabilities, such as Local File Inclusion (LFI), Remote Code Execution (RCE), and Server-side Request Forgery (SSRF), depending on the application configuration. An attacker can also use DTDs to <a href="#">Show more</a>		Security High -> Javascript	Details

2 % semgrep --config p/default  
 /Users/olivier/Library/Python/3.9/lib/python/site-packages/urllib3/  
 \_\_init\_\_.py:35: NotOpenSSLWarning: urllib3 v2 only supports OpenSSL 1.1.1+,  
 currently the 'ssl' module is compiled with 'LibreSSL 2.8.3'. See: <https://github.com/urllib3/urllib3/issues/3020>  
 warnings.warn(

Scan Status

Scanning 1 file (only git-tracked) with 1751 Code rules:

## CODE RULES

Language	Rules	Files	Origin	Rules
<multilang>	55	2	Community	1095
js	241	1	Pro rules	656

## SUPPLY CHAIN RULES

💎 Run `semgrep ci` to find dependency vulnerabilities and advanced cross-file findings.

## PROGRESS

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———— 100% 0:00:00

| 2 Code Findings |

y.js

### » javascript.express.redos.express-redos.redos

The regular expression identified appears vulnerable to Regular Expression Denial of Service (ReDoS)

through catastrophic backtracking. If the input is attacker controllable, this vulnerability can

lead to systems being non-responsive or may crash due to ReDoS. Where possible, re-write the regex

so as not to leverage backtracking or use a library that offers default protection against ReDoS.

Details: <https://sg.run/2ZLz5>

8 | let match = **r.test(req.params.id);**

### » javascript.express.security.audit.xss.direct-response-write.direct-response-write

Detected directly writing to a Response object from user-defined input. This bypasses any HTML

escaping and may expose your application to a Cross-Site-scripting (XSS) vulnerability. Instead, use

'resp.render()' to render safely escaped HTML.

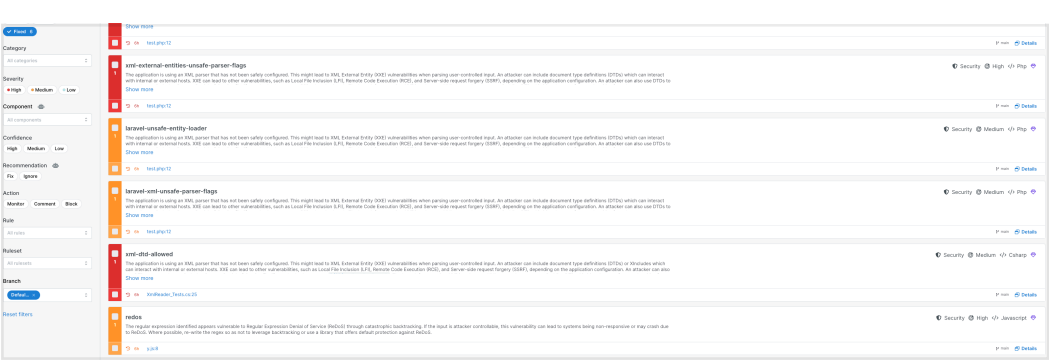
Details: <https://sg.run/vzGl>

9 | res.send(**match**)

| Scan Summary |

Some files were skipped or only partially analyzed.  
Scan was limited to files tracked by git.

Ran 296 rules on 1 file: 2 findings.  
olivier@MacBook-Air-de-Olivier 2 % ls  
y.js



Redos est fix, la sévérité est en soit médium mais la confiance étant high  
c'était le plus proche de la consigne

## 3

3 % semgrep --config p/default  
/Users/olivier/Library/Python/3.9/lib/python/site-packages/urllib3/  
\_\_init\_\_.py:35: NotOpenSSLWarning: urllib3 v2 only supports OpenSSL 1.1.1+,  
currently the 'ssl' module is compiled with 'LibreSSL 2.8.3'. See: https://  
github.com/urllib3/urllib3/issues/3020  
warnings.warn(

Scan Status |

Scanning 6 files (only git-tracked) with 1751 Code rules:

## CODE RULES

Language	Rules	Files	Origin	Rules
<multilang>	75	12	Community	1095
php	61	2	Pro rules	656
js	241	1		
java	231	1		
csharp	67	1		
html	1	1		

## SUPPLY CHAIN RULES

💎 Run `semgrep ci` to find dependency vulnerabilities and advanced cross-file findings.

## PROGRESS

---

100% 0:00:00

| 4 Code Findings |

dom.php

### » **php.lang.security.taint-unsafe-echo-tag.taint-unsafe-echo-tag**

Found direct access to a PHP variable without HTML escaping inside an inline PHP statement setting

data from `\$\_REQUEST[...]`. When untrusted input can be used to tamper with a web page rendering, it

can lead to a Cross-site scripting (XSS) vulnerability. XSS vulnerabilities occur when untrusted

input executes malicious JavaScript code, leading to issues such as account compromise and sensitive

information leakage. To prevent this vulnerability, validate the user input, perform contextual

output encoding or sanitize the input. In PHP you can encode or sanitize user input with

`htmlspecialchars` or use automatic context-aware escaping with a template engine such as Latte.

Details: <https://sg.run/RIGe>

11 | Hi, <?= \$\_GET['name']; ?>

example.php

### » **php.lang.security.taint-unsafe-echo-tag.taint-unsafe-echo-tag**

Found direct access to a PHP variable without HTML escaping inside an inline PHP statement setting

data from `\$\_REQUEST[...]`. When untrusted input can be used to tamper with a web page rendering, it

can lead to a Cross-site scripting (XSS) vulnerability. XSS vulnerabilities occur when untrusted

input executes malicious JavaScript code, leading to issues such as account compromise and sensitive

information leakage. To prevent this vulnerability, validate the user input, perform contextual

output encoding or sanitize the input. In PHP you can encode or sanitize user input with

``htmlspecialchars`` or use automatic context-aware escaping with a template engine such as Latte.

Details: <https://sg.run/RIGe>

```
7 | echo 'Hello, ' . $_GET['name']
```

express.js

#### » javascript.express.security.injection.raw-html-format.raw-html-format

User data flows into the host portion of this manually-constructed HTML. This can introduce a Cross-

Site-Scripting (XSS) vulnerability if this comes from user-provided input. Consider using a

sanitization library such as DOMPurify to sanitize the HTML within.

Details: <https://sg.run/5DO3>

```
6 | res.send('<h1> Hello :'+ name + "</h1>")
```

#### » javascript.express.security.audit.xss.direct-response-write.direct-response-write

Detected directly writing to a Response object from user-defined input. This bypasses any HTML

escaping and may expose your application to a Cross-Site-scripting (XSS) vulnerability. Instead, use

`'resp.render()'` to render safely escaped HTML.

Details: <https://sg.run/vzGI>

```
6 | res.send('<h1> Hello :'+ name + "</h1>")
```

| Scan Summary |

Some files were skipped or only partially analyzed.

Scan was limited to files tracked by git.

Ran 673 rules on 6 files: 4 findings.

## 4

4 % semgrep --config p/default

/Users/olivier/Library/Python/3.9/lib/python/site-packages/urllib3/

\_\_init\_\_.py:35: NotOpenSSLWarning: urllib3 v2 only supports OpenSSL 1.1.1+, currently the 'ssl' module is compiled with 'LibreSSL 2.8.3'. See: <https://github.com/urllib3/urllib3/issues/3020>  
warnings.warn(

Scan Status

Scanning 3 files (only git-tracked) with 1751 Code rules:

CODE RULES

Language	Rules	Files	Origin	Rules
<hr/>				
<multilang>	55	6	Community	1095
js	241	2	Pro rules	656
php	61	1		

SUPPLY CHAIN RULES

💎 Run `semgrep ci` to find dependency vulnerabilities and advanced cross-file findings.

PROGRESS



2 Code Findings

aa.js

» javascript.express.open-redirect-deepsemgrep.open-redirect-deepsemgrep

The application builds a URL using user-controlled input which can lead to an open redirect vulnerability. An attacker can manipulate the URL and redirect users to an arbitrary domain. Open redirect vulnerabilities can lead to issues such as Cross-site scripting (XSS) or redirecting to a malicious domain for activities such as phishing to capture users'



credentials. To prevent this vulnerability perform strict input validation of the domain against an allowlist of approved domains. Notify a user in your application that they are leaving the website. Display a domain where they are redirected to the user. A user can then either accept or deny the redirect to an untrusted site.  
Details: <https://sg.run/BDbW>

```
17 | res.redirect(url);
```

koa.js

### » javascript.express.open-redirect-deepsemgrep.open-redirect-deepsemgrep

The application builds a URL using user-controlled input which can lead to an open redirect vulnerability. An attacker can manipulate the URL and redirect users to an arbitrary domain. Open redirect vulnerabilities can lead to issues such as Cross-site scripting (XSS) or redirecting to a malicious domain for activities such as phishing to capture users' credentials. To prevent this vulnerability perform strict input validation of the domain against an allowlist of approved domains. Notify a user in your application that they are leaving the website. Display a domain where they are redirected to the user. A user can then either accept or deny the redirect to an untrusted site.  
Details: <https://sg.run/BDbW>

```
8 | ctx.redirect(url);
```

Scan Summary
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Some files were skipped or only partially analyzed.

Scan was limited to files tracked by git.

Partially scanned: 1 files only partially analyzed due to parsing or internal Semgrep errors

Ran 356 rules on 3 files: 2 findings.

Github Personal Access token:

ghp\_NaxrQNnjJCGVALN8MCOFTOCvghN6vw2WU33x