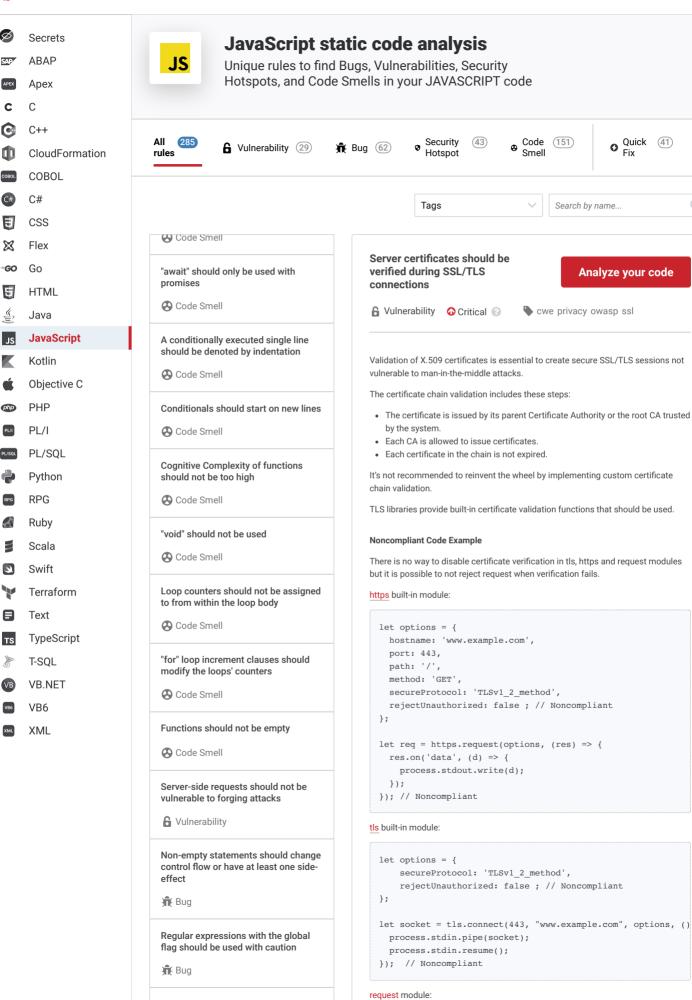


Products ✓

Q



Replacement strings should reference existing regular expression groups



Regular expressions should not contain control characters



Alternation in regular expressions should not contain empty alternatives



Mocha timeout should be disabled by setting it to "0".

R Bug

Unicode Grapheme Clusters should be avoided inside regex character

```
let socket = request.get({
   url: 'www.example.com',
    secureProtocol: 'TLSv1_2_method',
    rejectUnauthorized: false ; // Noncompliant
});
```

## **Compliant Solution**

https://built-in.module

```
let options = {
 hostname: 'www.example.com',
  port: 443,
 path: '/',
  method: 'GET',
 secureProtocol: 'TLSv1 2 method'
let req = https.request(options, (res) => {
 res.on('data', (d) => {
   process.stdout.write(d);
}); // Compliant: by default rejectUnauthorized is set to t
```

tls built-in module:

```
let options = {
    secureProtocol: 'TLSv1_2_method'
let socket = tls.connect(443, "www.example.com", options, ()
  process.stdin.pipe(socket);
  process.stdin.resume();
}); // Compliant: by default rejectUnauthorized is set to t
```

request module:

```
let socket = request.get({
   url: 'https://www.example.com/',
    secureProtocol: 'TLSv1_2_method' // Compliant
}); // Compliant: by default rejectUnauthorized is set to t
```

- OWASP Top 10 2021 Category A2 Cryptographic Failures
- OWASP Top 10 2021 Category A5 Security Misconfiguration
- OWASP Top 10 2021 Category A7 Identification and Authentication Failures
- OWASP Top 10 2017 Category A3 Sensitive Data Exposure
- OWASP Top 10 2017 Category A6 Security Misconfiguration
- Mobile AppSec Verification Standard Network Communication Requirements
- OWASP Mobile Top 10 2016 Category M3 Insecure Communication
- MITRE, CWE-295 Improper Certificate Validation

Available In:

sonarlint ⊕ | sonarcloud ♦ | sonarqube



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