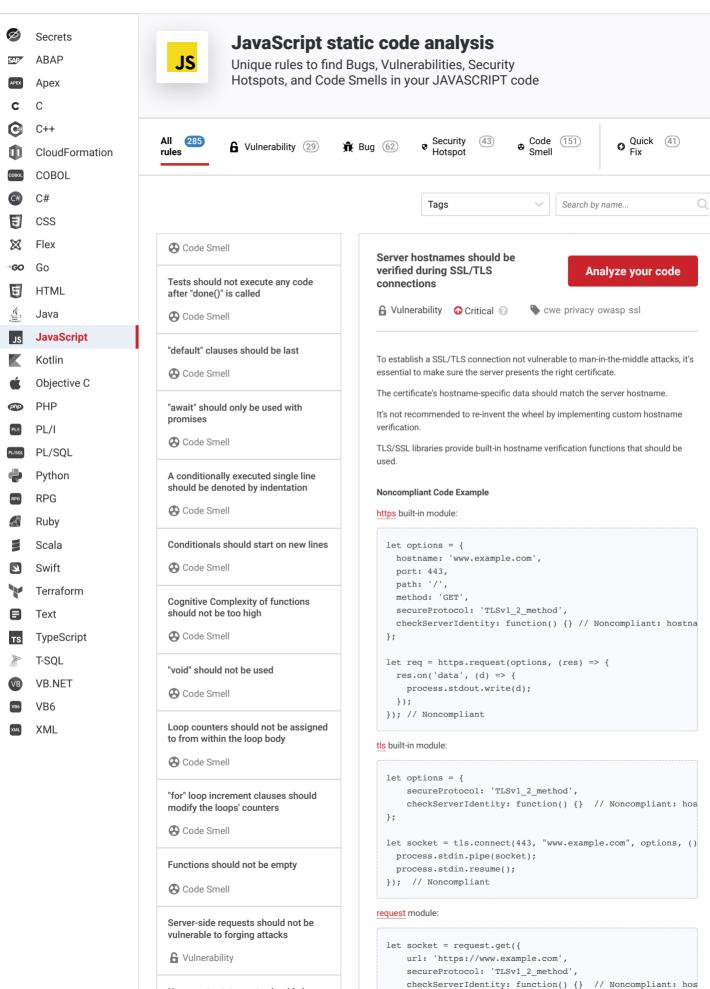


Products ✓



});

Non-empty statements should change

control flow or have at least one side-

effect



Regular expressions with the global flag should be used with caution



Replacement strings should reference existing regular expression groups



Regular expressions should not contain control characters

R Bug

Alternation in regular expressions should not contain empty alternatives

## 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: default checkServerIdentity function is se
```

tls built-in module:

```
let options = {
    secureProtocol: 'TLSv1_2_method',
    checkServerIdentity: (servername, peer) => {
        if (servername !== "www.example.com") {
            return new Error ('Error'); // Compliant: there
        }
    }
};

let socket = tls.connect(443, "www.example.com", options, ()
    process.stdin.pipe(socket);
    process.stdin.resume();
}); // Compliant
```

request module:

```
let socket = request.get({
    url: 'https://www.example.com/',
    secureProtocol: 'TLSv1_2_method' // Compliant
}); // Compliant: default checkServerIdentity function is s
```

## See

- 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-297 Improper Validation of Certificate with Host Mismatch

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sonarlint ⊖ | sonarcloud ↔ | sonarqube

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