Security

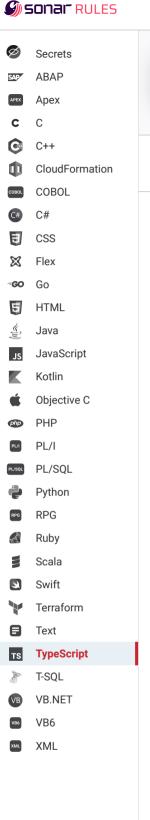
Hotspot

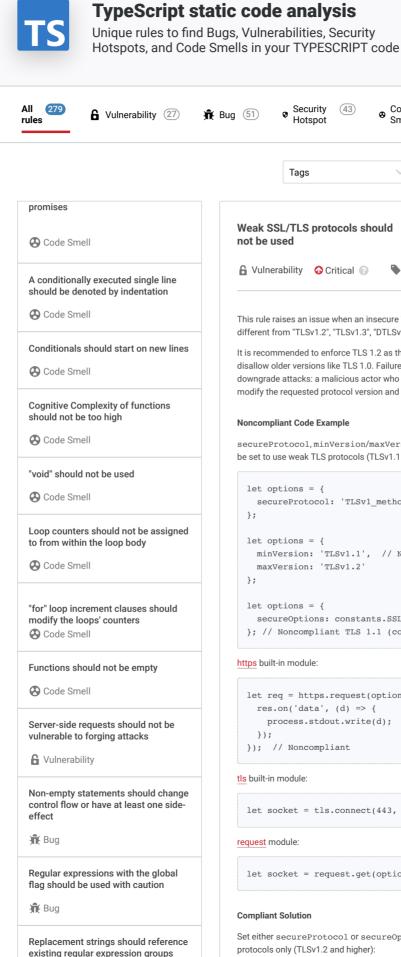
(43)

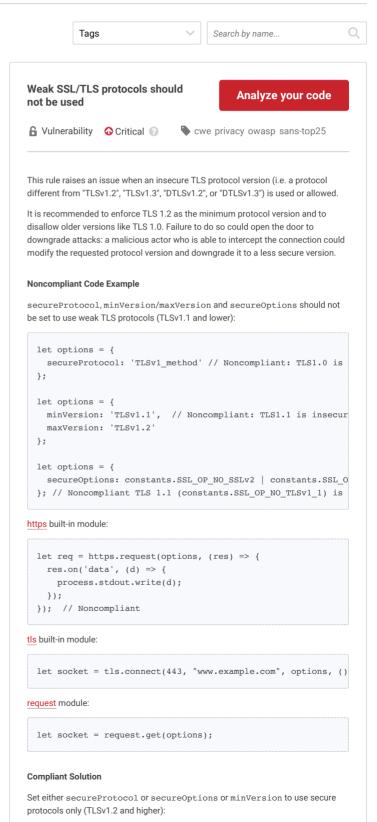


Products ✓

O Quick 50 Fix







⊗ Code

Smell

(158)

- Bua

Regular expressions should not contain control characters

📆 Bug

Alternation in regular expressions should not contain empty alternatives

📆 Bug

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

👬 Bug

Unicode Grapheme Clusters should be avoided inside regex character classes

```
let options = {
    secureProtocol: 'TLSv1_2_method'
};
// or
let options = {
    secureOptions: constants.SSL_OP_NO_SSLv2 | constants.SSL_O
};
// or
let options = {
    minVersion: 'TLSv1.2'
};
```

https built-in module:

```
let req = https.request(options, (res) => {
  res.on('data', (d) => {
    process.stdout.write(d);
  });
}); // Compliant
```

tls built-in module:

```
let socket = tls.connect(443, "www.example.com", options, ()
```

request module:

```
let socket = request.get(options);
```

See

- OWASP Top 10 2021 Category A2 Cryptographic Failures
- 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-327 Inadequate Encryption Strength
- MITRE, CWE-326 Use of a Broken or Risky Cryptographic Algorithm
- SANS Top 25 Porous Defenses
- SSL and TLS Deployment Best Practices Use secure protocols

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