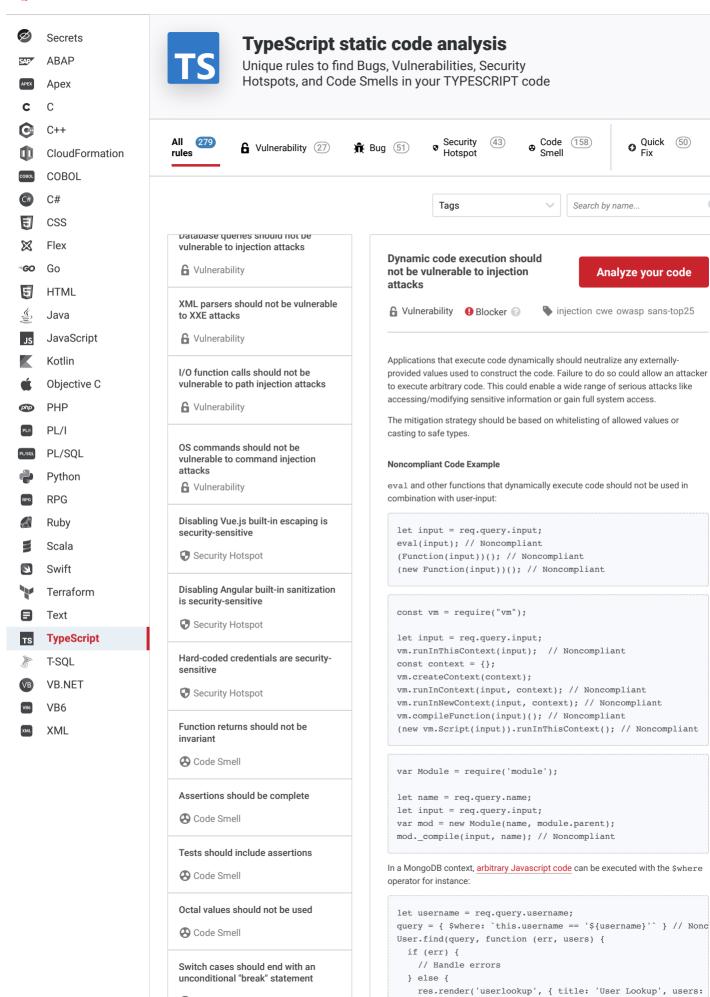


Products ✓

Q



Code Smell

"switch" statements should not contain non-case labels

Code Smell

A new session should be created during user authentication

Vulnerability

JWT should be signed and verified with strong cipher algorithms

6 Vulnerability

Cipher algorithms should be robust

6 Vulnerability

```
}
});
```

Compliant Solution

If eval is used to parse a JSON string this should be done instead with ${\tt JSON.parse}:$

```
let obj = JSON.parse(req.query.input); // Compliant
```

In a MongoDB context, don't use \$where operator or validate the data:

```
let username = req.query.username;
query = { username: username } // Compliant
User.find(query, function (err, users) {
   if (err) {
      // Handle errors
   } else {
      res.render('userlookup', { title: 'User Lookup', users:
   }
});
```

See

- OWASP Top 10 2021 Category A3 Injection
- OWASP Top 10 2017 Category A1 Injection
- MITRE, CWE-20 Improper Input Validation
- <u>MITRE, CWE-95</u> Improper Neutralization of Directives in Dynamically Evaluated Code ('Eval Injection')
- SANS Top 25 Risky Resource Management

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