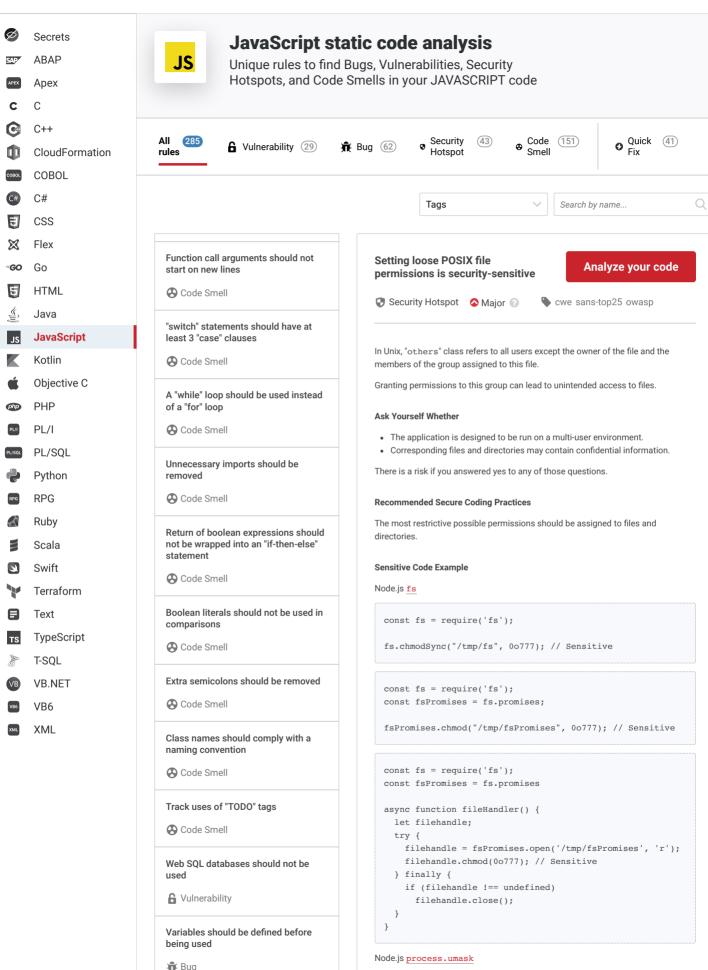
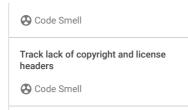


Products ✓



const process = require('process');

Variables declared with "var" should be declared before they are used



Reading the Standard Input is security-sensitive

Security Hotspot

Using command line arguments is security-sensitive

Security Hotspot

Using Sockets is security-sensitive

```
process.umask(00000); // Sensitive
```

## **Compliant Solution**

Node.js fs

```
const fs = require('fs');
fs.chmodSync("/tmp/fs", 00770); // Compliant
```

```
const fs = require('fs');
const fsPromises = fs.promises;
fsPromises.chmod("/tmp/fsPromises", 00770); // Compliant
```

```
const fs = require('fs');
const fsPromises = fs.promises

async function fileHandler() {
  let filehandle;
  try {
    filehandle = fsPromises.open('/tmp/fsPromises', 'r');
    filehandle.chmod(0o770); // Compliant
  } finally {
    if (filehandle !== undefined)
      filehandle.close();
  }
}
```

## Node.js process.umask

```
const process = require('process');
process.umask(00007); // Compliant
```

## See

- OWASP Top 10 2021 Category A1 Broken Access Control
- OWASP Top 10 2021 Category A4 Insecure Design
- OWASP Top 10 2017 Category A5 Broken Access Control
- OWASP File Permission
- MITRE, CWE-732 Incorrect Permission Assignment for Critical Resource
- MITRE, CWE-266 Incorrect Privilege Assignment
- SANS Top 25 Porous Defenses

## Available In:

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