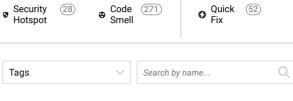


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Track uses of "TODO" tags



⊗ Code Smell

Security

Hotspot

(28)

```
Disabling ASP.NET "Request
Validation" feature is security-
                                                  Analyze your code
sensitive
cwe owasp
ASP.NET 1.1+ comes with a feature called Request Validation, preventing the server
to accept content containing un-encoded HTML. This feature comes as a first
protection layer against Cross-Site Scripting (XSS) attacks and act as a simple Web
Application Firewall (WAF) rejecting requests potentially containing malicious
While this feature is not a silver bullet to prevent all XSS attacks, it helps to catch
basic ones. It will for example prevent <script type="text/javascript"
src="https://malicious.domain/payload.js"> to reach your Controller.
Note: Request Validation feature being only available for ASP.NET, no Security
Hotspot is raised on ASP.NET Core applications.
Ask Yourself Whether
 • the developer doesn't know the impact to deactivate the Request Validation

    the web application accepts user-supplied data

   all user-supplied data are not validated
There is a risk if you answered yes to any of those questions.
```

## [ValidateInput(false)] public ActionResult Welcome(string name)

At application level, configured in the Web.config file:

```
<configuration>
  <system.web>
      <pages validateRequest="false" />
      <httpRuntime requestValidationMode="0.0" />
   </system.web>
</configuration>
```

## Compliant Solution

At Controller level:

Classes with "IDisposable" members should implement "IDisposable"

🕕 Bug

Calls to "async" methods should not be blocking

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Child class fields should not shadow parent class fields

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Track lack of copyright and license headers

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```
[ValidateInput(true)]
public ActionResult Welcome(string name)
{
    ...
}
```

or

```
public ActionResult Welcome(string name)
{
    ...
}
```

At application level, configured in the Web.config file:

## See

- OWASP Top 10 2021 Category A3 Injection
- HttpRuntimeSection.RequestValidationMode Property
- OWASP ASP.NET Request Validation
- OWASP Cheat Sheet XSS Prevention Cheat Sheet
- OWASP Top 10 2017 Category A7 Cross-Site Scripting (XSS)
- MITRE, CWE-79 Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')

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