

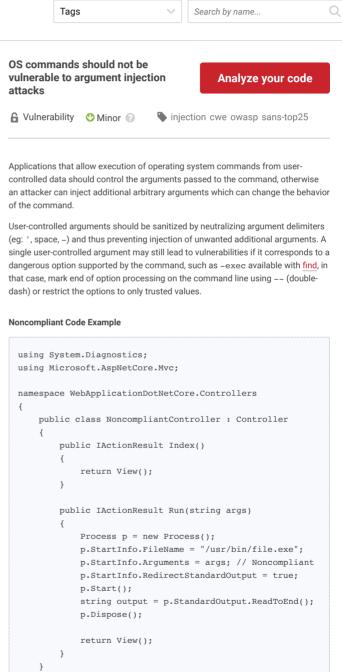
```
Assemblies should be marked with
"NeutralResourcesLanguageAttribute"
Interfaces should not be empty
Enumerations should have "Int32"
Generic methods should provide type
Multidimensional arrays should not be
"static readonly" constants should be
Strings or integral types should be
Parameter names should not
duplicate the names of their methods
Track use of
"NotImplementedException"
Code Smell
Empty "default" clauses should be
removed
Code Smell
Redundant property names should be
omitted in anonymous classes
```

Code Smell

Declarations and initializations should

```
O Quick 52
Fix
               Security
Hotspot
```

**#** Bug (76)



## **Compliant Solution**

}

```
using System.Diagnostics;
using System.Text.RegularExpressions;
using Microsoft.AspNetCore.Mvc;
namespace WebApplicationDotNetCore.Controllers
```

be as concise as possible

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Default parameter values should not be passed as arguments

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Constructor and destructor declarations should not be redundant

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Method parameters should be declared with base types

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The simplest possible condition

```
public class CompliantController : Controller
{
    public IActionResult Index()
    {
        return View();
    }

    public IActionResult Run(string arg)
    {
        Process p = new Process();
        p.StartInfo.FileName = "/usr/bin/file.exe";
        p.StartInfo.ArgumentList.Add(arg); // Compliant
        p.StartInfo.RedirectStandardOutput = true;
        p.Start();
        string output = p.StandardOutput.ReadToEnd();
        p.Dispose();

        return View();
    }
}
```

## See

- OWASP Top 10 2021 Category A3 Injection
- OWASP OS Command Injection Defense Cheat Sheet
- OWASP Top 10 2017 Category A1 Injection
- MITRE, CWE-20 Improper Input Validation
- MITRE, CWE-88 Argument Injection or Modification
- SANS Top 25 Insecure Interaction Between Components

Available In:

sonarcloud Sonarqube Developer Edition

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