

# Languages

Micro Focus Fortify Static Code Analyzer supports the programming languages listed in the following table.

| Language / Framework        | Versions                                                                                                                                                                                                                                                                                                    |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| .NET                        | 5.0                                                                                                                                                                                                                                                                                                         |
| .NET Framework              | 2.0–4.8                                                                                                                                                                                                                                                                                                     |
| .NET Core                   | 2.0–3.1                                                                                                                                                                                                                                                                                                     |
| ABAP/BSP                    | 6 <div><b>Note:</b> Fortify ABAP Extractor is supported on a system running SAP release 7.02, SP level 0006.</div>                                                                                                                                                                                          |
| ActionScript                | 3.0                                                                                                                                                                                                                                                                                                         |
| Apex                        | 36                                                                                                                                                                                                                                                                                                          |
| C#                          | 5, 6, 7, 8, 9                                                                                                                                                                                                                                                                                               |
| C/C++                       | C11, C++11, C++14, C++17 (see <a href="#">Compilers</a> )                                                                                                                                                                                                                                                   |
| Classic ASP (with VBScript) | 2.0, 3.0                                                                                                                                                                                                                                                                                                    |
| COBOL                       | IBM Enterprise COBOL for z/OS 6.1 (and earlier) with CICS, IMS, DB2, and IBM MQ<br>Micro Focus Visual COBOL 6.0 <div><b>Note:</b> COBOL translation requires that Microsoft Visual C++ 2017 Redistributable (x86) be installed on the system. This is not a requirement for Legacy COBOL Translation.</div> |
| ColdFusion                  | 8, 9, 10                                                                                                                                                                                                                                                                                                    |
| Go                          | 1.12, 1.13, 1.14, 1.15, 1.16, 1.17 <div><b>Note:</b> Fortify Static Code Analyzer supports scanning Go code on Windows and Linux.</div>                                                                                                                                                                     |
| HTML                        | 5 and earlier                                                                                                                                                                                                                                                                                               |
| Java (including Android)    | 7, 8, 9, 10, 11, 12, 13, 14                                                                                                                                                                                                                                                                                 |
| JavaScript                  | ECMAScript 2015–2021                                                                                                                                                                                                                                                                                        |
| JSON                        | ECMA-404                                                                                                                                                                                                                                                                                                    |
| JSP                         | 1.2, 2.1                                                                                                                                                                                                                                                                                                    |
| Kotlin                      | 1.3.50, 1.4.20, 1.5.30                                                                                                                                                                                                                                                                                      |

| Language / Framework  | Versions                                                                                                                                       |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| MXML (Flex)           | 4                                                                                                                                              |
| Objective-C/C++       | 2.0 (see <a href="#">Compilers</a> )                                                                                                           |
| PHP                   | 7.3, 7.4, 8.0                                                                                                                                  |
| PL/SQL                | 8.1.6                                                                                                                                          |
| Python                | 2.6, 2.7, 3.x (3.9 and earlier)                                                                                                                |
| Ruby                  | 1.9.3                                                                                                                                          |
| Scala                 | 2.11, 2.12, 2.13<br><br><b>Note:</b> Scanning Scala code requires the Scala Fortify compiler plugin available in the Maven Central Repository. |
| Swift                 | 5 (see <a href="#">Compilers</a> for supported swiftc versions)                                                                                |
| T-SQL                 | SQL Server 2005, 2008, 2012                                                                                                                    |
| TypeScript            | 2.8, 3.x, 4.0, 4.1, 4.2, 4.3                                                                                                                   |
| VBScript              | 2.0, 5.0                                                                                                                                       |
| Visual Basic (VB.NET) | 11, 14, 15.x, 16.0                                                                                                                             |
| Visual Basic          | 6.0                                                                                                                                            |
| XML                   | 1.0                                                                                                                                            |
| YAML                  | 1.2                                                                                                                                            |