

# Built-in Test Configurations

The following tables include the test configurations shipped in the [INSTALL]/configs/builtin directory.


## Static Analysis

This group includes universal static analysis test configurations. See [Security Compliance Pack](#) for test configurations that enforce security coding standards.

Built-in Test Configuration	Description
Recommended Rules	The default configuration of recommended rules. Covers most Severity 1 and Severity 2 rules. Includes rules in the Flow Analysis Fast configuration.
Recommended .NET Core Rules	Includes rules that identify high-severity defects in .NET Core projects.
Find Duplicated Code	Applies static code analysis rules that report duplicate code. Duplicate code may indicate poor application design and lead to maintainability issues.
Metrics	Computes values for several code metrics.
Flow Analysis	Detects complex runtime errors without requiring test cases or application execution. Defects detected include using uninitialized or invalid memory, null pointer dereferencing, array and buffer overflows, division by zero, memory and resource leaks, and dead code. This requires a special Flow Analysis license option.
Flow Analysis Aggressive	Includes rules for deep flow analysis of code. A significant amount of time may be required to run this configuration.
Flow Analysis Fast	Includes rules for shallow depth of flow analysis, which limits the number of potentially acceptable defects from being reported.
Critical Rules	Includes most Severity 1 rules, as well as rules in the Flow Analysis Fast configuration.
Demo	Includes rules for demonstrating various techniques of code analysis. May not be suitable for large code bases.
Find Memory Issues	Includes rules for finding memory management issues in the code.
Find Unimplemented Scenarios	Includes rules for finding unimplemented scenarios in the code.
Find Unused Code	Includes rules for identifying unused/dead code.
Check Code Compatibility against .NET [2.0, 3.0, 3.5, 4.0 Client Profile, 4.0 Full, 4.5, 4.5.1, 4.5.2, 4.6, 4.6.1, 4.6.2, 4.7, 4.7.1, 4.7.2, 4.8]	Includes a set of test configurations that validates the code's compatibility with the specified version of .NET framework.
IEC 62304 (Template)	A template test configuration for applying the IEC 62304 Medical standard.
Microsoft Managed Recommended Rules	Applies the Microsoft Managed Recommended Rules that identify the most critical issues in your managed code

## Security Compliance Pack

This compliance pack includes test configurations that help you enforce security coding standards and practices. See [Compliance Packs Rule Mapping](#) for information how the standards are mapped to dotTEST's rules.

 Security Compliance Pack requires dedicated license features to be activated. Contact Parasoft Support for more details on licensing.

### Displaying compliance results on DTP

Some test configurations in this category have a corresponding "Compliance" extension on DTP, which allows you to view your security compliance status, generate compliance reports, and monitor the progress towards your security compliance goals. See the "Extensions for DTP" section in the DTP documentation for the list of available extensions, requirements, and usage.

Built-in Test Configuration	Description
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CWE 4.0	Includes rules that find issues identified in the CWE standard v4.0.  <b>i</b> This test configuration is part of Parasoft Compliance Pack solution that allows you to monitor compliance with industry standards using the "Compliance" extensions on DTP.
CWE Top 25 2019	Includes rules that find issues classified as Top 25 Most Dangerous Programming Errors of the CWE standard.  <b>i</b> This test configuration is part of Parasoft Compliance Pack solution that allows you to monitor compliance with industry standards using the "Compliance" extensions on DTP.
CWE Top 25 + On the Cusp 2019	Includes rules that find issues classified as Top 25 Most Dangerous Programming Errors of the CWE standard or included on the CWE Weaknesses On the Cusp list.  <b>i</b> This test configuration is part of Parasoft Compliance Pack solution that allows you to monitor compliance with industry standards using the "Compliance" extensions on DTP.
OWASP Top 10-2017	Includes rules that find issues identified in OWASP's Top 10 standard.  <b>i</b> This test configuration is part of Parasoft Compliance Pack solution that allows you to monitor compliance with industry standards using the "Compliance" extensions on DTP.
PCI DSS 3.2	Includes rules that find issues identified in PCI Data Security Standard version 3.2.
Security Assessment	General test configuration that finds security issues.
UL 2900	Includes rules that find issues identified in the UL-2900 standard.
Microsoft Secure Coding Guidelines	Includes rules that enforce Microsoft Secure Coding Guidelines.

## Unit Testing and Collecting Coverage

This group includes test configurations that allow you to run and collect coverage data for unit tests.

Built-in Test Configuration	Description
Run VSTest Tests	Runs NUnit, MSTest, and xUnit tests that are found in the scope of analysis.
Run VSTest Tests with Coverage	Runs NUnit, MSTest, and xUnit tests that are found in the scope of analysis and monitors coverage.
Run NUnit Tests <sup>1</sup>	Runs NUnit tests that are found in the scope of analysis.
Run NUnit Tests with Coverage <sup>1</sup>	Runs NUnit tests that are found in the scope of analysis and monitors coverage.
Execute MSTests <sup>1</sup>	Executes MSTests tests.
Execute MSTests with Coverage <sup>1</sup>	Executes MSTests tests and collects coverage.
Calculate Application Coverage	Processes the application coverage data to generate a coverage.xml file. See <a href="#">Application Coverage for Web Applications</a> .
Collect Static Coverage	Generates the static coverage data necessary for application coverage. See <a href="#">Application Coverage for Web Applications</a> .

<sup>1</sup> A legacy test configuration. Run your test with `Run VSTest Tests` or `Run VSTest Tests with Coverage`.

## Compliance Packs Rule Mapping

This section includes rule mapping for the CWE standard. The mapping information for other standards is available in the PDF rule mapping files shipped with Compliance Packs.

### CWE Top 25 Mapping

CWE ID	CWE name/description	Parasoft rule ID(s)
CWE-119	Improper Restriction of Operations within the Bounds of a Memory Buffer	<ul style="list-style-type: none"> <li>CWE.119.ARRAY</li> </ul>

CWE-79	Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')	<ul style="list-style-type: none"> <li>• CWE.79.VPPD</li> <li>• CWE.79.TDRESP</li> <li>• CWE.79.TDXSS</li> </ul>
CWE-20	Improper Input Validation	<ul style="list-style-type: none"> <li>• CWE.20.ARRAY</li> <li>• CWE.20.VPPD</li> <li>• CWE.20.TDNET</li> <li>• CWE.20.TDFNAMES</li> <li>• CWE.20.TDCMD</li> <li>• CWE.20.TDRESP</li> <li>• CWE.20.TDXSS</li> <li>• CWE.20.TDSQL</li> <li>• CWE.20.TDSQLC</li> </ul>
CWE-200	Information Exposure	<ul style="list-style-type: none"> <li>• CWE.200.SENS</li> <li>• CWE.200.PEO</li> <li>• CWE.200.ACPST</li> <li>• CWE.200.CSG</li> </ul>
CWE-125	Out-of-bounds Read	<ul style="list-style-type: none"> <li>• CWE.125.ARRAY</li> </ul>
CWE-89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	<ul style="list-style-type: none"> <li>• CWE.89.TDSQL</li> <li>• CWE.89.TDSQLC</li> </ul>
CWE-416	Use After Free	<ul style="list-style-type: none"> <li>• CWE.416.DISP</li> <li>• CWE.416.FIN</li> </ul>
CWE-190	Integer Overflow or Wraparound	<ul style="list-style-type: none"> <li>• CWE.190.AIWIL</li> <li>• CWE.190.INTOVERF</li> </ul>
CWE-352	Cross-Site Request Forgery (CSRF)	<ul style="list-style-type: none"> <li>• CWE.352.VPPD</li> <li>• CWE.352.TDRESP</li> <li>• CWE.352.VAFT</li> </ul>
CWE-22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	<ul style="list-style-type: none"> <li>• CWE.22.TDFNAMES</li> </ul>
CWE-78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	<ul style="list-style-type: none"> <li>• CWE.78.TDCMD</li> </ul>
CWE-787	Out-of-bounds Write	<ul style="list-style-type: none"> <li>• CWE.787.ARRAY</li> </ul>
CWE-287	Improper Authentication	<ul style="list-style-type: none"> <li>• CWE.287.TDPASSWD</li> <li>• CWE.287.AAM</li> <li>• CWE.287.UAAMC</li> <li>• CWE.287.LUAFLA</li> <li>• CWE.287.IIPHEU</li> </ul>
CWE-476	NULL Pointer Dereference	<ul style="list-style-type: none"> <li>• CWE.476.NR</li> <li>• CWE.476.DEREF</li> <li>• CWE.476.CNFA</li> </ul>
CWE-732	Incorrect Permission Assignment for Critical Resource	<ul style="list-style-type: none"> <li>• CWE.732.ADSVSP</li> </ul>

CWE-434	Unrestricted Upload of File with Dangerous Type	<ul style="list-style-type: none"> <li>• CWE.434.TDFNAMES</li> </ul>
CWE-611	Improper Restriction of XML External Entity Reference	<ul style="list-style-type: none"> <li>• CWE.611.PDTDP</li> <li>• CWE.611.USXRS</li> </ul>
CWE-94	Improper Control of Generation of Code ('Code Injection')	<ul style="list-style-type: none"> <li>• CWE.94.TDCODE</li> </ul>
CWE-798	Use of Hard-coded Credentials	<ul style="list-style-type: none"> <li>• CWE.798.HARDCONN</li> <li>• CWE.798.HPW</li> </ul>
CWE-400	Uncontrolled Resource Consumption	<ul style="list-style-type: none"> <li>• CWE.400.LEAKS</li> </ul>
CWE-772	Missing Release of Resource after Effective Lifetime	<ul style="list-style-type: none"> <li>• CWE.772.LEAKS</li> </ul>
CWE-426	Untrusted Search Path	<ul style="list-style-type: none"> <li>• CWE.426.PBRTE</li> </ul>
CWE-502	Deserialization of Untrusted Data	<ul style="list-style-type: none"> <li>• CWE.502.IIDC</li> <li>• CWE.502.UIS</li> <li>• CWE.502.IDC</li> <li>• CWE.502.MGODWSPA</li> </ul>
CWE-269	Improper Privilege Management	<ul style="list-style-type: none"> <li>• CWE.269.IDENTITY</li> </ul>
CWE-295	Improper Certificate Validation	<ul style="list-style-type: none"> <li>• CWE.295.DNICV</li> </ul>

### CWE Weaknesses On the Cusp Mapping

CWE ID	CWE name/description	Parasoft rule ID(s)
CWE-835	Loop with Unreachable Exit Condition ('Infinite Loop')	<ul style="list-style-type: none"> <li>• CWE.835.IVFLC</li> <li>• CWE.835.IVFLI</li> <li>• CWE.835.NSIVFLN</li> </ul>
CWE-522	Insufficiently Protected Credentials	<ul style="list-style-type: none"> <li>• CWE.522.TDPASSWD</li> </ul>
CWE-704	Incorrect Type Conversion or Cast	<ul style="list-style-type: none"> <li>• CWE.704.ECLTS</li> </ul>
CWE-362	Concurrent Execution using Shared Resource with Improper Synchronization ('Race Condition')	<ul style="list-style-type: none"> <li>• CWE.362.LOCKSETGET</li> <li>• CWE.362.DIFCS</li> </ul>
CWE-918	Server-Side Request Forgery (SSRF)	<ul style="list-style-type: none"> <li>• CWE.918.TDNET</li> </ul>
CWE-415	Double Free	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
CWE-601	URL Redirection to Untrusted Site ('Open Redirect')	<ul style="list-style-type: none"> <li>• CWE.601.TDNET</li> </ul>

CWE-863	Incorrect Authorization	<ul style="list-style-type: none"> <li>• CWE.863.AAM</li> <li>• CWE.863.UAAMC</li> <li>• CWE.863.AUTH</li> </ul>
CWE-862	Missing Authorization	<ul style="list-style-type: none"> <li>• CWE.862.UAA</li> </ul>
CWE-532	Inclusion of Sensitive Information in Log Files	<ul style="list-style-type: none"> <li>• CWE.532.ALSI</li> </ul>
CWE-306	Missing Authentication for Critical Function	<ul style="list-style-type: none"> <li>• CWE.306.ADSVSP</li> </ul>
CWE-384	Session Fixation	<ul style="list-style-type: none"> <li>• N/A</li> </ul>
CWE-326	Inadequate Encryption Strength	<ul style="list-style-type: none"> <li>• CWE.326.ICA</li> </ul>
CWE-770	Allocation of Resources Without Limits or Throttling	<ul style="list-style-type: none"> <li>• CWE.770.TDALLOC</li> </ul>
CWE-617	Reachable Assertion	<ul style="list-style-type: none"> <li>• CWE.617.ATA</li> </ul>

## CWE 4.0 Mapping

CWE ID	CWE name/description	Parasoft rule ID(s)
CWE-20	Improper Input Validation	<ul style="list-style-type: none"> <li>• CWE.20.ARRAY</li> <li>• CWE.20.VPPD</li> <li>• CWE.20.TDNET</li> <li>• CWE.20.TDFNAMES</li> <li>• CWE.20.TDCMD</li> <li>• CWE.20.TDRESP</li> <li>• CWE.20.TDXSS</li> <li>• CWE.20.TDSQL</li> <li>• CWE.20.TDSQLC</li> </ul>
CWE-22	Improper Limitation of a Pathname to a Restricted Directory ('Path Traversal')	<ul style="list-style-type: none"> <li>• CWE.22.TDFNAMES</li> </ul>
CWE-77	Improper Neutralization of Special Elements used in a Command ('Command Injection')	<ul style="list-style-type: none"> <li>• CWE.77.TDCMD</li> </ul>
CWE-78	Improper Neutralization of Special Elements used in an OS Command ('OS Command Injection')	<ul style="list-style-type: none"> <li>• CWE.78.TDCMD</li> </ul>
CWE-79	Improper Neutralization of Input During Web Page Generation ('Cross-site Scripting')	<ul style="list-style-type: none"> <li>• CWE.79.VPPD</li> <li>• CWE.79.TDRESP</li> <li>• CWE.79.TDXSS</li> </ul>
CWE-80	Improper Neutralization of Script-Related HTML Tags in a Web Page (Basic XSS)	<ul style="list-style-type: none"> <li>• CWE.80.VPPD</li> <li>• CWE.80.TDRESP</li> </ul>
CWE-88	Improper Neutralization of Argument Delimiters in a Command ('Argument Injection')	<ul style="list-style-type: none"> <li>• CWE.88.TDCMD</li> <li>• CWE.88.VPPD</li> </ul>

CWE-89	Improper Neutralization of Special Elements used in an SQL Command ('SQL Injection')	<ul style="list-style-type: none"> <li>• CWE.89.TDSQL</li> <li>• CWE.89.TDSQLC</li> </ul>
CWE-90	Improper Neutralization of Special Elements used in an LDAP Query ('LDAP Injection')	<ul style="list-style-type: none"> <li>• CWE.90.TDLDAP</li> </ul>
CWE-94	Improper Control of Generation of Code ('Code Injection')	<ul style="list-style-type: none"> <li>• CWE.94.TDCODE</li> </ul>
CWE-95	Improper Neutralization of Directives in Dynamically Evaluated Code ('Eval Injection')	<ul style="list-style-type: none"> <li>• CWE.95.TDCODE</li> </ul>
CWE-99	Improper Control of Resource Identifiers ('Resource Injection')	<ul style="list-style-type: none"> <li>• CWE.99.TDFNAMES</li> <li>• CWE.99.TDNET</li> </ul>
CWE-119	Improper Restriction of Operations within the Bounds of a Memory Buffer	<ul style="list-style-type: none"> <li>• CWE.119.ARRAY</li> </ul>
CWE-120	Buffer Copy without Checking Size of Input ('Classic Buffer Overflow')	<ul style="list-style-type: none"> <li>• CWE.120.AUK</li> </ul>
CWE-125	Out-of-bounds Read	<ul style="list-style-type: none"> <li>• CWE.125.ARRAY</li> </ul>
CWE-129	Improper Validation of Array Index	<ul style="list-style-type: none"> <li>• CWE.129.ARRAY</li> </ul>
CWE-131	Incorrect Calculation of Buffer Size	<ul style="list-style-type: none"> <li>• CWE.131.AUK</li> </ul>
CWE-134	Use of Externally-Controlled Format String	<ul style="list-style-type: none"> <li>• CWE.134.TDINPUT</li> </ul>
CWE-190	Integer Overflow or Wraparound	<ul style="list-style-type: none"> <li>• CWE.190.AIWIL</li> <li>• CWE.190.INTOVERF</li> </ul>
CWE-191	Integer Underflow (Wrap or Wraparound)	<ul style="list-style-type: none"> <li>• CWE.191.AIWIL</li> <li>• CWE.191.INTOVERF</li> </ul>
CWE-197	Numeric Truncation Error	<ul style="list-style-type: none"> <li>• CWE.197.ECLSII</li> </ul>
CWE-200	Information Exposure	<ul style="list-style-type: none"> <li>• CWE.200.SENS</li> <li>• CWE.200.PEO</li> <li>• CWE.200.ACPST</li> <li>• CWE.200.CSG</li> </ul>
CWE-201	Information Exposure Through Sent Data	<ul style="list-style-type: none"> <li>• CWE.201.SELSPLAT</li> </ul>
CWE-209	Information Exposure Through an Error Message	<ul style="list-style-type: none"> <li>• CWE.209.SENS</li> <li>• CWE.209.PEO</li> <li>• CWE.209.ACPST</li> </ul>
CWE-212	Improper Cross-boundary Removal of Sensitive Data	<ul style="list-style-type: none"> <li>• CWE.212.CSG</li> </ul>

CWE-250	Execution with Unnecessary Privileges	<ul style="list-style-type: none"> <li>• CWE.250.AUEP</li> </ul>
CWE-252	Unchecked Return Value	<ul style="list-style-type: none"> <li>• CWE.252.RETVAL</li> <li>• CWE.252.CHECKRET</li> </ul>
CWE-256	Unprotected Storage of Credentials	<ul style="list-style-type: none"> <li>• CWE.256.TDPASSWD</li> </ul>
CWE-259	Use of Hard-coded Password	<ul style="list-style-type: none"> <li>• CWE.259.HPW</li> </ul>
CWE-269	Improper Privilege Management	<ul style="list-style-type: none"> <li>• CWE.269.IDENTITY</li> </ul>
CWE-285	Improper Authorization	<ul style="list-style-type: none"> <li>• CWE.285.TDSQL</li> </ul>
CWE-287	Improper Authentication	<ul style="list-style-type: none"> <li>• CWE.287.TDPASSWD</li> <li>• CWE.287.AAM</li> <li>• CWE.287.UAAMC</li> <li>• CWE.287.LUAFLA</li> <li>• CWE.287.IIPHEU</li> </ul>
CWE-295	Improper Certificate Validation	<ul style="list-style-type: none"> <li>• CWE.295.DNICV</li> </ul>
CWE-306	Missing Authentication for Critical Function	<ul style="list-style-type: none"> <li>• CWE.306.ADSVSP</li> </ul>
CWE-307	Improper Restriction of Excessive Authentication Attempts	<ul style="list-style-type: none"> <li>• CWE.307.LUAFLA</li> </ul>
CWE-316	Cleartext Storage of Sensitive Information in Memory	<ul style="list-style-type: none"> <li>• CWE.316.RSFSS</li> <li>• CWE.316.SSFP</li> </ul>
CWE-326	Inadequate Encryption Strength	<ul style="list-style-type: none"> <li>• CWE.326.ICA</li> </ul>
CWE-327	Use of a Broken or Risky Cryptographic Algorithm	<ul style="list-style-type: none"> <li>• CWE.327.ICA</li> <li>• CWE.327.DNCCKS</li> <li>• CWE.327.ACCA</li> </ul>
CWE-328	Reversible One-Way Hash	<ul style="list-style-type: none"> <li>• CWE.328.ICA</li> </ul>
CWE-329	Not Using a Random IV with CBC Mode	<ul style="list-style-type: none"> <li>• CWE.329.ACCA</li> </ul>
CWE-330	Use of Insufficiently Random Values	<ul style="list-style-type: none"> <li>• CWE.330.USSCR</li> </ul>
CWE-350	Reliance on Reverse DNS Resolution for a Security-Critical Action	<ul style="list-style-type: none"> <li>• CWE.350.IIPHEU</li> </ul>
CWE-352	Cross-Site Request Forgery (CSRF)	<ul style="list-style-type: none"> <li>• CWE.352.VPPD</li> <li>• CWE.352.TDRESP</li> <li>• CWE.352.VAFT</li> </ul>

CWE-362	Concurrent Execution using Shared Resource with Improper Synchronization ('Race Condition')	<ul style="list-style-type: none"> <li>• CWE.362.LOCKSETGET</li> <li>• CWE.362.DIFCS</li> </ul>
CWE-369	Divide By Zero	<ul style="list-style-type: none"> <li>• CWE.369.ZERO</li> </ul>
CWE-391	Unchecked Error Condition	<ul style="list-style-type: none"> <li>• CWE.391.LGE</li> </ul>
CWE-395	Use of NullPointerException Catch to Detect NULL Pointer Dereference	<ul style="list-style-type: none"> <li>• CWE.395.NCNRE</li> </ul>
CWE-396	Declaration of Catch for Generic Exception	<ul style="list-style-type: none"> <li>• CWE.396.NCSAE</li> </ul>
CWE-397	Declaration of Throws for Generic Exception	<ul style="list-style-type: none"> <li>• CWE.397.NTSAE</li> </ul>
CWE-400	Uncontrolled Resource Consumption	<ul style="list-style-type: none"> <li>• CWE.400.LEAKS</li> </ul>
CWE-401	Missing Release of Memory after Effective Lifetime	<ul style="list-style-type: none"> <li>• CWE.401.DBDTFF</li> <li>• CWE.401.DCDSF</li> <li>• CWE.401.DCID</li> <li>• CWE.401.DDFODB</li> <li>• CWE.401.SRIF</li> <li>• CWE.401.TICUFDS</li> <li>• CWE.401.TIID</li> <li>• CWE.401.CBDM</li> <li>• CWE.401.IDWF</li> <li>• CWE.401.MDPP</li> <li>• CWE.401.ASC</li> </ul>
CWE-402	Transmission of Private Resources into a New Sphere ('Resource Leak')	<ul style="list-style-type: none"> <li>• CWE.402.CSG</li> </ul>
CWE-412	Unrestricted Externally Accessible Lock	<ul style="list-style-type: none"> <li>• CWE.412.NLT</li> </ul>
CWE-416	Use After Free	<ul style="list-style-type: none"> <li>• CWE.416.DISP</li> <li>• CWE.416.FIN</li> </ul>
CWE-426	Untrusted Search Path	<ul style="list-style-type: none"> <li>• CWE.426.PBRTE</li> </ul>
CWE-434	Unrestricted Upload of File with Dangerous Type	<ul style="list-style-type: none"> <li>• CWE.434.TDFNAMES</li> </ul>
CWE-456	Missing Initialization of a Variable	<ul style="list-style-type: none"> <li>• CWE.456.NOTEXPLINIT</li> </ul>
CWE-457	Use of Uninitialized Variable	<ul style="list-style-type: none"> <li>• CWE.457.NOTEXPLINIT</li> </ul>
CWE-470	Use of Externally-Controlled Input to Select Classes or Code ('Unsafe Reflection')	<ul style="list-style-type: none"> <li>• CWE.470.TDRFL</li> </ul>
CWE-476	NULL Pointer Dereference	<ul style="list-style-type: none"> <li>• CWE.476.NR</li> <li>• CWE.476.DEREF</li> <li>• CWE.476.CNFA</li> </ul>



CWE-480	Use of Incorrect Operator	<ul style="list-style-type: none"> <li>• CWE.480.PUO</li> </ul>
CWE-481	Assigning instead of Comparing	<ul style="list-style-type: none"> <li>• CWE.481.AWC</li> </ul>
CWE-494	Download of Code Without Integrity Check	<ul style="list-style-type: none"> <li>• CWE.494.IREC</li> </ul>
CWE-499	Serializable Class Containing Sensitive Data	<ul style="list-style-type: none"> <li>• CWE.499.CSG</li> </ul>
CWE-502	Deserialization of Untrusted Data	<ul style="list-style-type: none"> <li>• CWE.502.IIDC</li> <li>• CWE.502.UIS</li> <li>• CWE.502.IDC</li> <li>• CWE.502.MGODWSPA</li> </ul>
CWE-522	Insufficiently Protected Credentials	<ul style="list-style-type: none"> <li>• CWE.522.TDPASSWD</li> </ul>
CWE-532	Inclusion of Sensitive Information in Log Files	<ul style="list-style-type: none"> <li>• CWE.532.ALSI</li> </ul>
CWE-546	Suspicious Comment	<ul style="list-style-type: none"> <li>• CWE.546.TODO</li> </ul>
CWE-561	Dead Code	<ul style="list-style-type: none"> <li>• CWE.561.UC</li> </ul>
CWE-563	Assignment to Variable without Use	<ul style="list-style-type: none"> <li>• CWE.563.POVR</li> <li>• CWE.563.VOVR</li> </ul>
CWE-570	Expression is Always False	<ul style="list-style-type: none"> <li>• CWE.570.CC</li> </ul>
CWE-571	Expression is Always True	<ul style="list-style-type: none"> <li>• CWE.571.CC</li> </ul>
CWE-595	Comparison of Object References Instead of Object Contents	<ul style="list-style-type: none"> <li>• CWE.595.REVT</li> </ul>
CWE-601	URL Redirection to Untrusted Site ('Open Redirect')	<ul style="list-style-type: none"> <li>• CWE.601.TDNET</li> </ul>
CWE-611	Improper Restriction of XML External Entity Reference	<ul style="list-style-type: none"> <li>• CWE.611.PDTDP</li> <li>• CWE.611.USXRS</li> </ul>
CWE-613	Insufficient Session Expiration	<ul style="list-style-type: none"> <li>• CWE.613.ISE</li> </ul>
CWE-617	Reachable Assertion	<ul style="list-style-type: none"> <li>• CWE.617.ATA</li> </ul>
CWE-662	Improper Synchronization	<ul style="list-style-type: none"> <li>• CWE.662.DIFCS</li> </ul>
CWE-676	Use of Potentially Dangerous Function	<ul style="list-style-type: none"> <li>• CWE.676.APDM</li> </ul>

CWE-681	Incorrect Conversion between Numeric Types	<ul style="list-style-type: none"> <li>• CWE.681.ECLTS</li> </ul>
CWE-704	Incorrect Type Conversion or Cast	<ul style="list-style-type: none"> <li>• CWE.704.ECLTS</li> </ul>
CWE-732	Incorrect Permission Assignment for Critical Resource	<ul style="list-style-type: none"> <li>• CWE.732.ADSVSP</li> </ul>
CWE-759	Use of a One-Way Hash without a Salt	<ul style="list-style-type: none"> <li>• CWE.759.SALT</li> </ul>
CWE-760	Use of a One-Way Hash with a Predictable Salt	<ul style="list-style-type: none"> <li>• CWE.760.SALT</li> </ul>
CWE-770	Allocation of Resources Without Limits or Throttling	<ul style="list-style-type: none"> <li>• CWE.770.TDALLOC</li> </ul>
CWE-772	Missing Release of Resource after Effective Lifetime	<ul style="list-style-type: none"> <li>• CWE.772.LEAKS</li> </ul>
CWE-780	Use of RSA Algorithm without OAEP	<ul style="list-style-type: none"> <li>• CWE.780.UOWR</li> </ul>
CWE-787	Out-of-bounds Write	<ul style="list-style-type: none"> <li>• CWE.787.ARRAY</li> </ul>
CWE-789	Uncontrolled Memory Allocation	<ul style="list-style-type: none"> <li>• CWE.789.TDALLOC</li> </ul>
CWE-798	Use of Hard-coded Credentials	<ul style="list-style-type: none"> <li>• CWE.798.HARDCONN</li> <li>• CWE.798.HPW</li> </ul>
CWE-807	Reliance on Untrusted Inputs in a Security Decision	<ul style="list-style-type: none"> <li>• CWE.807.AUTH</li> </ul>
CWE-827	Improper Control of Document Type Definition	<ul style="list-style-type: none"> <li>• CWE.827.PDTDP</li> </ul>
CWE-829	Inclusion of Functionality from Untrusted Control Sphere	<ul style="list-style-type: none"> <li>• CWE.829.DMSC</li> <li>• CWE.829.ADLL</li> </ul>
CWE-833	Deadlock	<ul style="list-style-type: none"> <li>• CWE.833.ORDER</li> </ul>
CWE-835	Loop with Unreachable Exit Condition ('Infinite Loop')	<ul style="list-style-type: none"> <li>• CWE.835.IVFLC</li> <li>• CWE.835.IVFLI</li> <li>• CWE.835.NSIVFLN</li> </ul>
CWE-838	Inappropriate Encoding for Output Context	<ul style="list-style-type: none"> <li>• CWE.838.AIHUE</li> </ul>
CWE-862	Missing Authorization	<ul style="list-style-type: none"> <li>• CWE.862.UAA</li> </ul>
CWE-863	Incorrect Authorization	<ul style="list-style-type: none"> <li>• CWE.863.AAM</li> <li>• CWE.863.UAAMC</li> <li>• CWE.863.AUTH</li> </ul>

CWE-918	Server-Side Request Forgery (SSRF)	<ul style="list-style-type: none"><li>• CWE.918.TDNET</li></ul>
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