

[2018-03-12] Change Log

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New version of CQM (v1.2.14) and Kiuwan Engine



A new Kiuwan's CQM and Engine is available.

Features of this new version are:

- *Enhanced support for C#* (23 new rules, 18 of them related to security)
- *Enhanced support for JavaScript* (12 new rules)
- *Enhanced support for PHP* (1 new security rule)
- *Enhanced support for AcuCOBOL-GT grammar*

You can find these new rules by comparing v1.2.14 of CQM against previous version.

A detailed description of the behavior of these new rules is available in rule's description.

Unless you have blocked Kiuwan Engine, **Kiuwan Local Analyzer will automatically upgrade it to the last version once a new analysis is run.**

In order for these new rules be applicable, your Kiuwan account must be configured to allow automatic engine upgrade:

- If you are using *CQM*, these new rules will *automatically become active* and will be applied to new analyses.
- If you are using your own *custom model*, you can *activate them* in case you want to be applied to your code.

New C# Rules

Below you can find codes of **C#** new rules:

- OPT.CSHARP.CodeInjectionWithDeserialization
- OPT.CSHARP.PlaintextStorageInACookie
- OPT.CSHARP.PotentialInfiniteLoop
- OPT.CSHARP.SEC.AccessibilitySubversionRule
- OPT.CSHARP.SEC.AvoidHostNameChecks
- OPT.CSHARP.SEC.CookiesInSecurityDecision
- OPT.CSHARP.SEC.HardcodedSalt
- OPT.CSHARP.SEC.ImproperAuthentication
- OPT.CSHARP.SEC.InformationExposureThroughDebugLog
- OPT.CSHARP.SEC.InformationExposureThroughErrorMessage
- OPT.CSHARP.SEC.InsecureTransport
- OPT.CSHARP.SEC.LogForging
- OPT.CSHARP.SEC.MailCommandInjection
- OPT.CSHARP.SEC.NoSQLInjection
- OPT.CSHARP.SEC.PlaintextStorageOfPassword
- OPT.CSHARP.SEC.SerializableClassContainingSensitiveData
- OPT.CSHARP.SEC.ServerInsecureTransport
- OPT.CSHARP.SEC.StaticDatabaseConnection
- OPT.CSHARP.SEC.UnsafeCookieRule
- OPT.CSHARP.SEC.UserControlledSQLPrimaryKey
- OPT.CSHARP.SEC.XMLEntityInjection
- OPT.CSHARP.TooMuchOriginsAllowed
- OPT.CSHARP.UncheckedInputInLoopCondition

New JavaScript Rules

Below you can find codes of **JavaScript** new rules:

- OPT.JAVASCRIPT.ANGULARJS.AngularCrossSiteScripting
- OPT.JAVASCRIPT.ANGULARJS.AngularLocalStorageInformationLeak
- OPT.JAVASCRIPT.ANGULARJS.UnsafeResourceUrlWhitelist
- OPT.JAVASCRIPT.CodeInjectionWithDeserialization
- OPT.JAVASCRIPT.HttpParameterPollution
- OPT.JAVASCRIPT.InformationExposureThroughErrorMessage
- OPT.JAVASCRIPT.LdapInjection
- OPT.JAVASCRIPT.MailCommandInjection
- OPT.JAVASCRIPT.PlaintextStorageInACookie
- OPT.JAVASCRIPT.TrustBoundaryViolation
- OPT.JAVASCRIPT.XmlEntityInjection
- OPT.JAVASCRIPT.XPathInjection

New PHP Rules

Below you can find codes of **PHP** new rules:

- OPT.PHP.XmlEntityInjection

Improvements in Kiuwan Engine

New Kiuwan engine contains enhanced versions of parsers and rules:

- Complete grammar support for **AcuCocol-GT**
- Enhancements in *parsers*: Cobol, JCL, Abap, Objective-C, PHP, VB.NET and PL-SQL
- Bug fixing, performance and reliability issues in *rules* for Java and C#