

[2018-05-31] Change Log

- New version of CQM (v1.2.17) and Kiuwan Engine
 - New TypeScript Rules
 - Support for detecting CWE-1022 vulnerabilities in HTML, JSP and ASP.NET

New version of CQM (v1.2.17) and Kiuwan Engine



A new Kiuwan's CQM and Engine is available.

Main features of this release are:

1. Kiuwan's **"Support for TypeScript"**
 - there are **30 new rules** specifically suited to TypeScript (tagged as "typescript")
 - most of existing **JavaScript and Angular rules have been improved to work also on TypeScript** code
2. **Enhanced integration with SAP**
 - a. Availability of a completely new [SAP Extractor for Kiuwan](#) that allows a *seamlessly integration of Kiuwan with SAP*
 - b. Visit [SAP Extractor for Kiuwan](#) for further information

Additional features of this new version are:

- Support for detecting **CWE-1022** vulnerabilities in *HTML, JSP and ASP.NET*
- *Bug fixing, performance and reliability* issues in rules for *Java, C++, JavaScript and VB.NET*
- *Enhancements in JavaScript parser:*

You can find new rules by comparing this release 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 TypeScript Rules

- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.AvoidAliasingInputOutput
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.AvoidForwardRefs
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.AvoidImpurePipes
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.AvoidNoneViewEncapsulation
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.AvoidPrefixingOutput
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.AvoidTemplateAsyncNegation
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.DecoratorIncompatibility
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.InvalidPipeImplementation
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.NamingConventions
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.NoParameterAttributeDecorator
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.UseHostDecorator
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.UseInjectableDecorator
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.UseInputDecorator
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.UseLifecycleInterface
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.UseOutputDecorator
- OPT.JAVASCRIPT.TYPESCRIPT.ANGULAR.UseTrackBy
- OPT.JAVASCRIPT.TYPESCRIPT.AvoidAnnotatingInferableTypes
- OPT.JAVASCRIPT.TYPESCRIPT.AvoidCastingToObjectLiterals
- OPT.JAVASCRIPT.TYPESCRIPT.NoEmptyInterface
- OPT.JAVASCRIPT.TYPESCRIPT.NoReturnTypeAny
- OPT.JAVASCRIPT.TYPESCRIPT.PreferReadOnly
- OPT.JAVASCRIPT.TYPESCRIPT.ReviewNonNullAssertions
- OPT.JAVASCRIPT.TYPESCRIPT.SkipInternalModuleOrNamespace
- OPT.JAVASCRIPT.TYPESCRIPT.TooManyClassesPerFile

- OPT.JAVASCRIPT.TYPESCRIPT.UselessTypeCast
- OPT.JAVASCRIPT.TYPESCRIPT.UselessTypeIntersection
- OPT.JAVASCRIPT.TYPESCRIPT.UsePrimitiveTypes
- OPT.JAVASCRIPT.TYPESCRIPT.UseTypeAlias
- OPT.JAVASCRIPT.TYPESCRIPT.UseTypeAnnotations
- OPT.JAVASCRIPT.UnhandledPromise

Support for detecting [CWE-1022](#) vulnerabilities in HTML, JSP and ASP.NET

- OPT.HTML.TargetBlankVulnerability
- OPT.ASPNET.TargetBlankVulnerability
- OPT.JSP.SEC_JSP.TargetBlankVulnerability