1.0.0-alpha2 Release notes

New Quality Rules

2200044: Recursion should not be infinite

2200046: Ensure Serializable Types Follow Best Practices

2200048: Members of larger scope element should not have conflicting transparency annotations

Other Changes

Performance Improvement

Following two quality rules have been rewritten to improve performance
1. 2200042: Avoid creating new instance of shared instance (.NET)
2. 2200026: Avoid creating exception without throwing them

Documentation

Documentation of all QRs are now available in pdf format under doc folder.

Known Issues

EINETRULES-52 (CAST Internal ID) : Incorrect bookmarks for few "2200034:For Loop Condition Should Be Invariant"

1.0.0-alpha3 Release notes

New Quality Rules

2200050: Avoid NULL Pointer Dereference

2200052: Avoid having the same implementation in ALL BRANCHES of a conditional structure

Other Changes

2200034: For loop stop condition should be invariant, add checks for method invocation and property in stop condition.

2200028: Use Logical OR and AND instead of Bitwise OR and AND in boolean context, add case of AND bitwise operator.

2200000: Avoid local variables shadowing class fields, add case of property shadowed and check iterator variable in foreach loop.

2200024: Mutable static fields of type System.Collections.Generic.ICollection<T> or System.Array should not be public static, authorized "readonly" fields with inline initialization with an immutable type instead of any "readonly" fields.

Documentation

Documentation of all QRs are now available in pdf format under doc folder.

Known Issues

EINETRULES-52 (CAST Internal ID) : Incorrect bookmarks for few "2200034:For Loop Condition Should Be Invariant"

1.0.0-funcrel Release notes
This version depends of the minimum version of 1.4.12-funcrel of dotnet analyzer.

New Quality Rules

2200054: Avoid Persist Security Info in connection string

2200056: Avoid hidden form field

2200058: Avoid security-critical information exposure

Other Changes

Update Roslyn to version 4.2.0

1.0.1-funcrel Release notes

This version depends of the minimum version of 1.4.12-funcrel of dotnet analyzer.

New Quality Rules

2200060: Avoid using XmlDocument without restriction of XML External Entity Reference (XXE)

2200062: Avoid using XmlTextReader without restriction of XML External Entity Reference (XXE)

2200064: Avoid using XPathNavigator without restriction of XML External Entity Reference

2200066: Avoid direct use of threads (.Net)

2200068: Avoid unsafe object binding (.NET)

2200070: Ensure to abandon previous session before modifying current session

1.0.2-funcrel Release notes

This version depends on:
- dotnet analyzer (version ≥ 1.4.12-funcrel)
- dotnetweb analyzer (version ≥ 1.4.8-funcrel)

New Quality Rules

2200072: Ensure cookieless attributes are set to UseCookies

2200074: Avoid ELMAH enabled in production

1.0.3-funcrel Release notes (In progress)

This version depends on:
- dotnet analyzer (version ≥ 1.4.12-funcrel)
- dotnetweb analyzer (version ≥ 1.4.8-funcrel)

New Quality Rules

2200076 : Avoid storing password in String

2200078 : Avoid copying buffer without checking the size of input

2200082 : Ensure to enable column encryption in connection string

2200084 : Avoid static variable modification in methods for class inheriting from System.Web.UI.Page

Known Issues corrected

EINETRULES-112: Wrong bookmark in rule 2200068 "Avoid unsafe object binding (.NET)"

EINETRULES-116: False negative in rule 2200054 "Avoid Persist Security Info in connection string" when Persist Security Info is set to true with a string