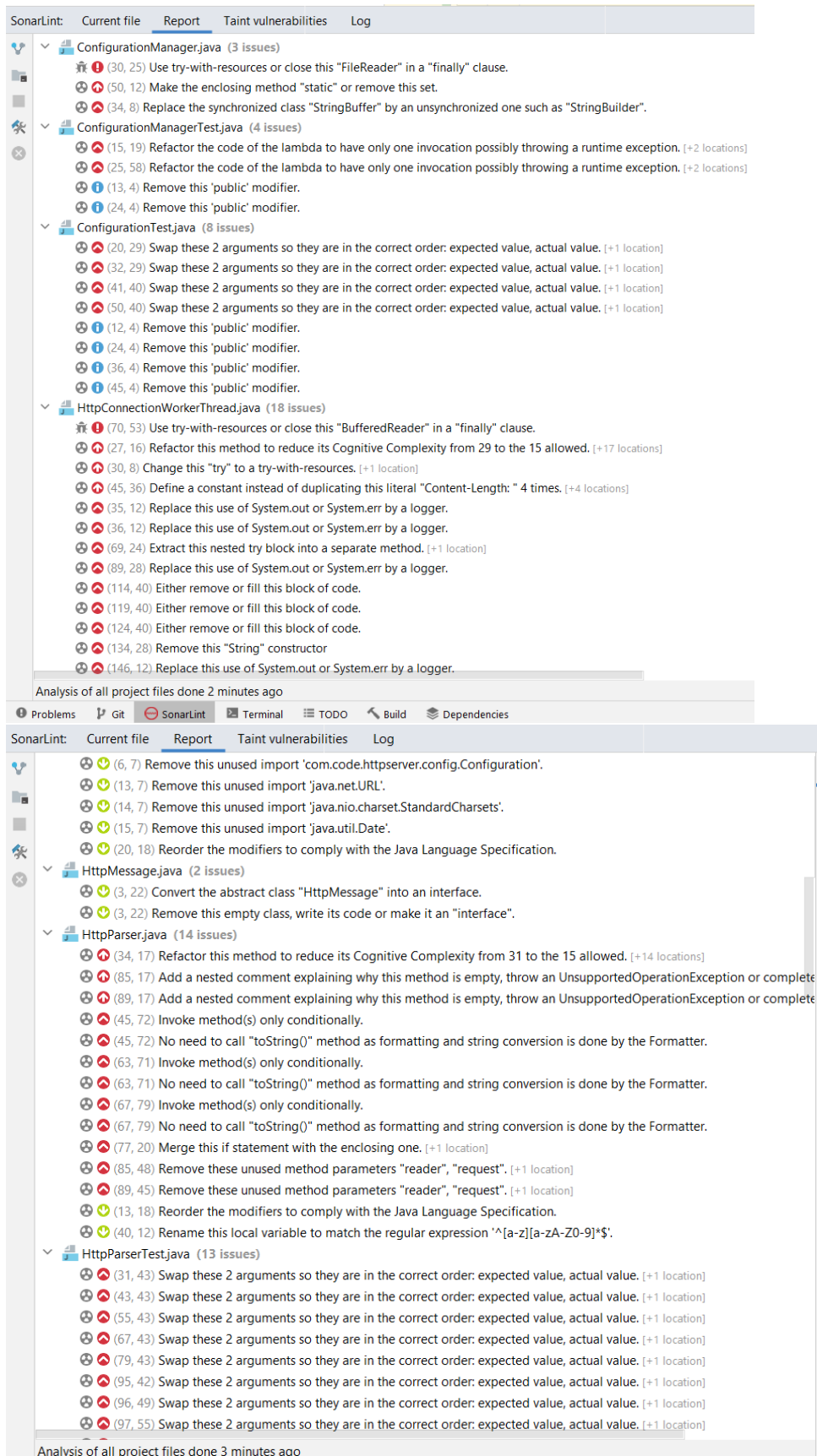


Analiza Statika si Dinamica Webserver VVS

Analiza Statika – SonarLine



SonarLint: Current file Report Taint vulnerabilities Log

ConfigurationManager.java (3 issues)

- 🐛 (30, 25) Use try-with-resources or close this "FileReader" in a "finally" clause.
- ⚠️ (50, 12) Make the enclosing method "static" or remove this set.
- ⚠️ (34, 8) Replace the synchronized class "StringBuffer" by an unsynchronized one such as "StringBuilder".

ConfigurationManagerTest.java (4 issues)

- ⚠️ (15, 19) Refactor the code of the lambda to have only one invocation possibly throwing a runtime exception. [+2 locations]
- ⚠️ (25, 58) Refactor the code of the lambda to have only one invocation possibly throwing a runtime exception. [+2 locations]
- 🔍 (13, 4) Remove this 'public' modifier.
- 🔍 (24, 4) Remove this 'public' modifier.

ConfigurationTest.java (8 issues)

- ⚠️ (20, 29) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- ⚠️ (32, 29) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- ⚠️ (41, 40) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- ⚠️ (50, 40) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- 🔍 (12, 4) Remove this 'public' modifier.
- 🔍 (24, 4) Remove this 'public' modifier.
- 🔍 (36, 4) Remove this 'public' modifier.
- 🔍 (45, 4) Remove this 'public' modifier.

HttpConnectionWorkerThread.java (18 issues)

- 🐛 (70, 53) Use try-with-resources or close this "BufferedReader" in a "finally" clause.
- ⚠️ (27, 16) Refactor this method to reduce its Cognitive Complexity from 29 to the 15 allowed. [+17 locations]
- ⚠️ (30, 8) Change this "try" to a try-with-resources. [+1 location]
- ⚠️ (45, 36) Define a constant instead of duplicating this literal "Content-Length: " 4 times. [+4 locations]
- ⚠️ (35, 12) Replace this use of System.out or System.err by a logger.
- ⚠️ (36, 12) Replace this use of System.out or System.err by a logger.
- ⚠️ (69, 24) Extract this nested try block into a separate method. [+1 location]
- ⚠️ (89, 28) Replace this use of System.out or System.err by a logger.
- ⚠️ (114, 40) Either remove or fill this block of code.
- ⚠️ (119, 40) Either remove or fill this block of code.
- ⚠️ (124, 40) Either remove or fill this block of code.
- ⚠️ (134, 28) Remove this "String" constructor
- ⚠️ (146, 12) Replace this use of System.out or System.err by a logger.

Analysis of all project files done 2 minutes ago

Problems Git SonarLint Terminal TODO Build Dependencies

SonarLint: Current file Report Taint vulnerabilities Log

⚠️ (6, 7) Remove this unused import 'com.code.httpserver.config.Configuration'.

⚠️ (13, 7) Remove this unused import 'java.net.URL'.

⚠️ (14, 7) Remove this unused import 'java.nio.charset.StandardCharsets'.

⚠️ (15, 7) Remove this unused import 'java.util.Date'.

⚠️ (20, 18) Reorder the modifiers to comply with the Java Language Specification.

HttpMessage.java (2 issues)

- ⚠️ (3, 22) Convert the abstract class "HttpMessage" into an interface.
- ⚠️ (3, 22) Remove this empty class, write its code or make it an "interface".

HttpParser.java (14 issues)

- ⚠️ (34, 17) Refactor this method to reduce its Cognitive Complexity from 31 to the 15 allowed. [+14 locations]
- ⚠️ (85, 17) Add a nested comment explaining why this method is empty, throw an UnsupportedOperationException or complete
- ⚠️ (89, 17) Add a nested comment explaining why this method is empty, throw an UnsupportedOperationException or complete
- ⚠️ (45, 72) Invoke method(s) only conditionally.
- ⚠️ (45, 72) No need to call "toString()" method as formatting and string conversion is done by the Formatter.
- ⚠️ (63, 71) Invoke method(s) only conditionally.
- ⚠️ (63, 71) No need to call "toString()" method as formatting and string conversion is done by the Formatter.
- ⚠️ (67, 79) Invoke method(s) only conditionally.
- ⚠️ (67, 79) No need to call "toString()" method as formatting and string conversion is done by the Formatter.
- ⚠️ (77, 20) Merge this if statement with the enclosing one. [+1 location]
- ⚠️ (85, 48) Remove these unused method parameters "reader", "request". [+1 location]
- ⚠️ (89, 45) Remove these unused method parameters "reader", "request". [+1 location]
- ⚠️ (13, 18) Reorder the modifiers to comply with the Java Language Specification.
- ⚠️ (40, 12) Rename this local variable to match the regular expression '^[a-z][a-zA-Z0-9]*\$'.

HttpParserTest.java (13 issues)

- ⚠️ (31, 43) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- ⚠️ (43, 43) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- ⚠️ (55, 43) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- ⚠️ (67, 43) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- ⚠️ (79, 43) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- ⚠️ (95, 42) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- ⚠️ (96, 49) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]
- ⚠️ (97, 55) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]

Analysis of all project files done 3 minutes ago

SonarLint:	Current file	Report	Taint vulnerabilities	Log
		(96, 49) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]		
		(97, 55) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]		
		(98, 57) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]		
		(110, 43) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]		
		(123, 43) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]		
		(134, 61) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]		
		(135, 59) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]		
	HttpException.java (1 issue)	(5, 27) Make this "errorCode" field final.		
	HttpRequest.java (1 issue)	(25, 23) Rename "method" which hides the field declared at line 5.		
	HttpServer.java (3 issues)	(20, 8) Format specifiers should be used instead of string concatenation.		
		(21, 8) Format specifiers should be used instead of string concatenation.		
		(14, 18) Reorder the modifiers to comply with the Java Language Specification.		
	HttpStatusCode.java (4 issues)	(12, 21) Rename this field "STATUS_CODE" to match the regular expression '^ [a-z][a-zA-Z0-9]*\$'.		
		(13, 24) Rename this field "MESSAGE" to match the regular expression '^ [a-z][a-zA-Z0-9]*\$'.		
		(15, 23) Rename this local variable to match the regular expression '^ [a-z][a-zA-Z0-9]*\$'.		
		(15, 43) Rename this local variable to match the regular expression '^ [a-z][a-zA-Z0-9]*\$'.		
	HttpVersion.java (7 issues)	(35, 20) Merge this if statement with the enclosing one. [+1 location]		
		(9, 24) Rename this field "LITERAL" to match the regular expression '^ [a-z][a-zA-Z0-9]*\$'.		
		(10, 21) Rename this field "MAJOR" to match the regular expression '^ [a-z][a-zA-Z0-9]*\$'.		
		(11, 21) Rename this field "MINOR" to match the regular expression '^ [a-z][a-zA-Z0-9]*\$'.		
		(13, 23) Rename this local variable to match the regular expression '^ [a-z][a-zA-Z0-9]*\$'.		
		(13, 36) Rename this local variable to match the regular expression '^ [a-z][a-zA-Z0-9]*\$'.		
		(13, 47) Rename this local variable to match the regular expression '^ [a-z][a-zA-Z0-9]*\$'.		
	HttpVersionTest.java (3 issues)	(19, 30) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]		
		(41, 34) Swap these 2 arguments so they are in the correct order: expected value, actual value. [+1 location]		
		(7, 0) Remove this 'public' modifier.		
Analysis of all project files done 4 minutes ago				
	Json.java (1 issue)	(5, 13) Add a private constructor to hide the implicit public one.		
	ServerListenerThread.java (8 issues)	(14, 18) Remove this unused "webroot" private field.		
		(25, 15) Add the "@Override" annotation above this method signature		
		(30, 15) Format specifiers should be used instead of string concatenation.		
		(40, 14) Remove this expression which always evaluates to "true" [+2 locations]		
		(43, 39) Either remove or fill this block of code.		
		(7, 7) Remove this unused import 'java.io.InputStream'.		
		(8, 7) Remove this unused import 'java.io.OutputStream'.		
		(16, 17) Reorder the modifiers to comply with the Java Language Specification.		

Erorile detectate au fost: importuri declarate, dar nefolosite, complexitate ciclomatica prea mare la unele functii, redenumiri, ordinea gresita a argumentelor la assertEquals, refactorizari etc.

Unele erori au fost rezolvate:

SonarLint: Current file Report Taint vulnerabilities Log

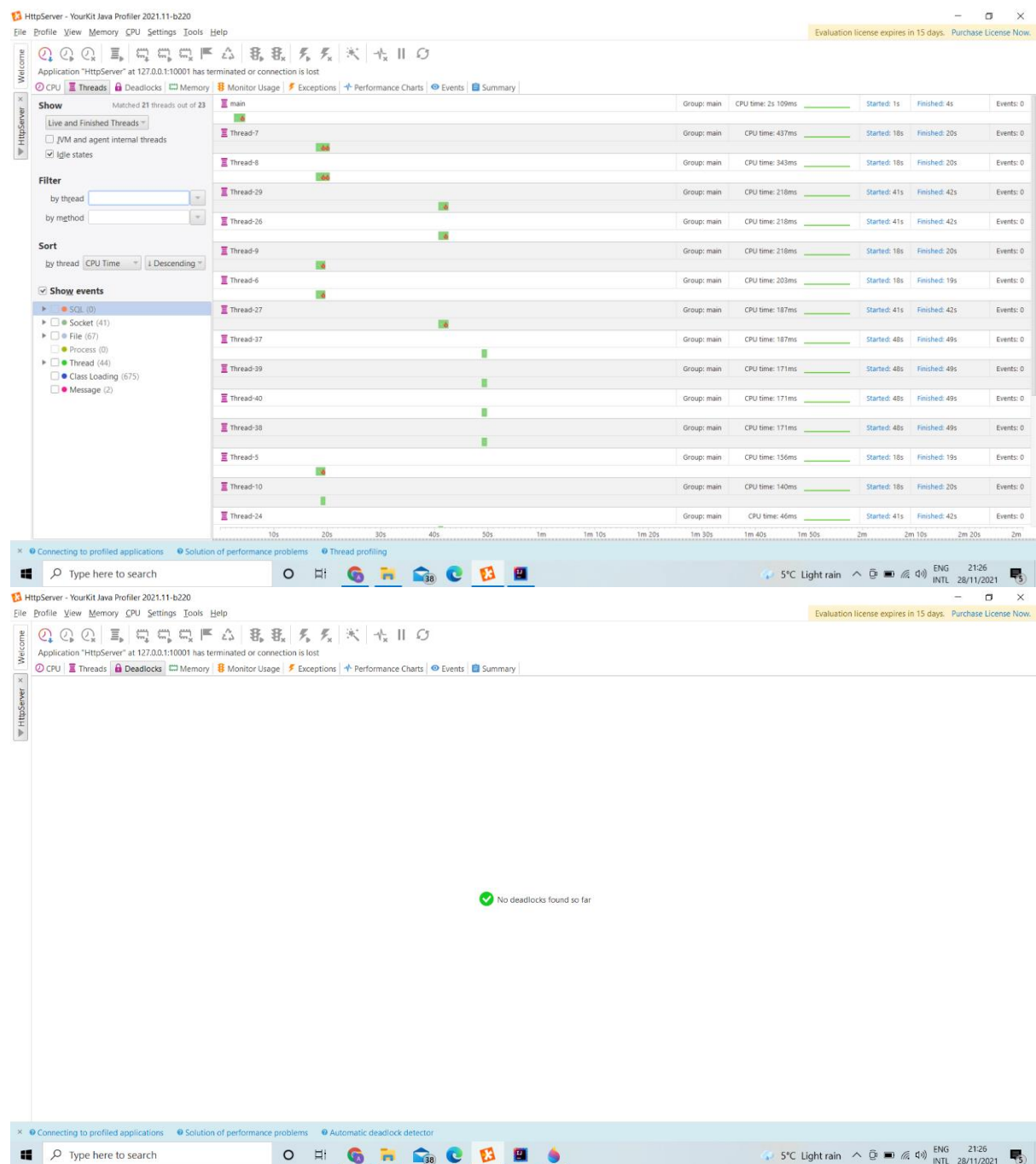
- ConfigurationManager.java (1 issue)
 - (52, 12) Make the enclosing method "static" or remove this set.
- ConfigurationManagerTest.java (2 issues)
 - (15, 19) Refactor the code of the lambda to have only one invocation possibly throwing a runtime exception. [+2 locations]
 - (25, 58) Refactor the code of the lambda to have only one invocation possibly throwing a runtime exception. [+2 locations]
- HttpConnectionWorkerThread.java (14 issues)
 - (67, 53) Use try-with-resources or close this "BufferedReader" in a "finally" clause.
 - (24, 16) Refactor this method to reduce its Cognitive Complexity from 29 to the 15 allowed. [+17 locations]
 - (27, 8) Change this "try" to a try-with-resources. [+1 location]
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 - (66, 24) Extract this nested try block into a separate method. [+1 location]
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 - (116, 40) Either remove or fill this block of code.
 - (121, 40) Either remove or fill this block of code.
 - (131, 28) Remove this "String" constructor
 - (143, 12) Replace this use of System.out or System.err by a logger.
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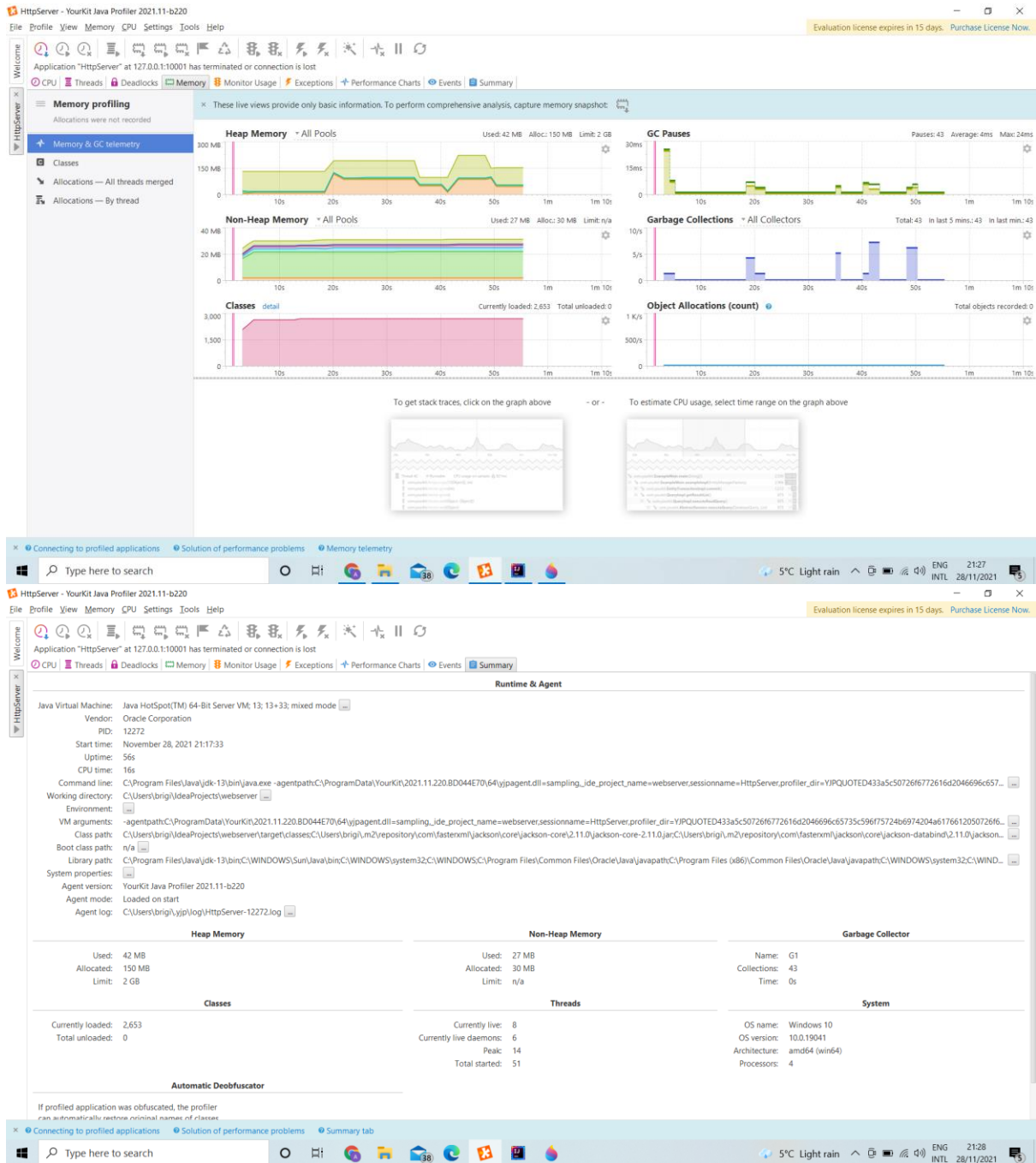
Analysis of all project files done few seconds ago

- HttpServer.java (3 issues)
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- Json.java (1 issue)
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 - (12, 18) Remove this unused "webroot" private field.
 - (29, 15) Format specifiers should be used instead of string concatenation.
 - (39, 14) Remove this expression which always evaluates to "true" [+2 locations]
 - (42, 39) Either remove or fill this block of code.
 - (14, 17) Reorder the modifiers to comply with the Java Language Specification.

Analiza Dinamica – YourKit

Aplicatia a fost analizata din punct de vedere al resurselor consumate: timp de executie, memorie, etc.





HttpServer - YourKit Java Profiler 2021.11-b220

FileProfileViewMemoryCPUSettingsToolsHelp

Application "HttpServer" at 127.0.0.1:10001 has terminated or connection is lost

CPUThreadsDeadlocksMemoryMonitor UsageExceptionsPerformance ChartsEventsSummary

HttpServer

CPU profiling

Sampling

Call tree - All threads merged

Call tree - By thread

Flame graph

Method list

Java EE

Java EE profiling results are available in a captured snapshot.

This live view provides only basic information. To perform comprehensive analysis, capture snapshot:

Method	~ Time (ms)	Own Time (ms)
com.code.httpserver.core.HttpConnectionWorkerThread.run() HttpConnectionWorkerThread.java	4,609	78
java.io.BufferedReader.readLine() BufferedReader.java	2,562	2,562
java.lang.String.getBytes() String.java	1,562	1,562
com.code.httpserver.HttpServer.main(String[]) HttpServer.java	1,252	< 0.1
com.code.httpserver.config.ConfigurationManager.loadConfigurationFile(String) ConfigurationManager.java	1,173	0
java.lang.ClassLoader.loadClass(String) ClassLoader.java	1,172	1,266
com.code.httpserver.util.Json.<clinit>() Json.java	954	0
com.code.httpserver.util.Json.defaultObjectMapper() Json.java	954	< 0.1
com.fasterxml.jackson.databind.ObjectMapper.<init>() ObjectMapper.java	533	533
com.code.httpserver.HttpServer.<clinit>() HttpServer.java	373	0
org.slf4j.LoggerFactory.getLogger(Class) LoggerFactory.java	357	357
com.fasterxml.jackson.databind.ObjectMapper.<clinit>() ObjectMapper.java	160	160
com.code.httpserver.util.Json.from(JsonNode, Class) Json.java	140	0
com.fasterxml.jackson.databind.ObjectMapper.treeToValue(TreeNode, Class) ObjectMapper.java	140	140
java.io.OutputStream.write(byte[]) OutputStream.java	140	140
ch.qos.logback.classic.Logger.info(String) Logger.java	94	94
java.lang.StringBuilder.append(String) StringBuilder.java	93	93
com.code.httpserver.util.Json.parse(String) Json.java	78	0
com.fasterxml.jackson.databind.ObjectMapper.readTree(String) ObjectMapper.java	78	78
com.intellij.rt.execution.application.AppMainV2\$1.run() AppMainV2.java	78	78
java.io.BufferedReader.close() BufferedReader.java	78	78
java.lang.StringBuilder.toString() StringBuilder.java	62	62
java.lang.invoke.Invokers\$Holder.linkToTargetMethod(int, Object, Object) Invokers\$Holder	31	31
org.slf4j.LoggerFactory.<clinit>() LoggerFactory.java	15	15

Connecting to profiled applications

Solution of performance problems

Method list

Type here to search

5°C Light rain 21:42 28/11/2021