

Analiză Statică

Pentru analiza statică a fost rulat SonarQube. În urma rulării, au fost descoperite mai multe probleme. Unele dintre aceste probleme au fost rezolvate

The screenshot shows the SonarQube interface for the 'WebserverVVS' project. The left sidebar contains filters for Type (Bug, Vulnerability, Code Smell), Severity (Blocker, Critical, Major, Minor, Info), and Scope (Resolution, Status, Security Category, Creation Date, Language, Rule, Tag, Directory, File, Assignee, Author). The main panel displays a list of 10 issues, each with a description, severity, status, and effort. The issues are:

- Update this implementation of 'Serializable' to conform to the recommended serialization pattern. Why is this an issue? last month - L6 - 20min effort - Comment
- Merge this if statement with the enclosing one. Why is this an issue? 21 days ago - L67 - 5min effort - Comment
- Add a 'protected' constructor or the 'static' keyword to the class declaration. Why is this an issue? last month - L9 - 10min effort - Comment
- Use a constructor overloads that allows a more meaningful exception message to be provided. Why is this an issue? last month - L22 - 2min effort - Comment
- Call the ArgumentException constructor that contains a message and/or paramName parameter. Why is this an issue? last month - L22 - 0min effort - Comment
- Private classes or records which are not derived in the current assembly should be marked as 'sealed'. Why is this an issue? last month - L71 - 5min effort - Comment
- Private classes or records which are not derived in the current assembly should be marked as 'sealed'. Why is this an issue? last month - L73 - 5min effort - Comment
- Add the default parameter value defined in the overridden method. Why is this an issue? last month - L11 - 2min effort - Comment
- Make sure these 2 arguments are in the correct order: expected value, actual value. Why is this an issue? last month - L22 - 2min effort - Comment
- The literal or constant value 'somePath' should be passed as the 'expected' argument in the call to 'Assert.Equal(expected, actual)' in method 'ChangeFilePath_ShouldTriggerEvent' on type 'ServerEventsTests'. Why is this an issue? last month - L22 - 0min effort - Comment

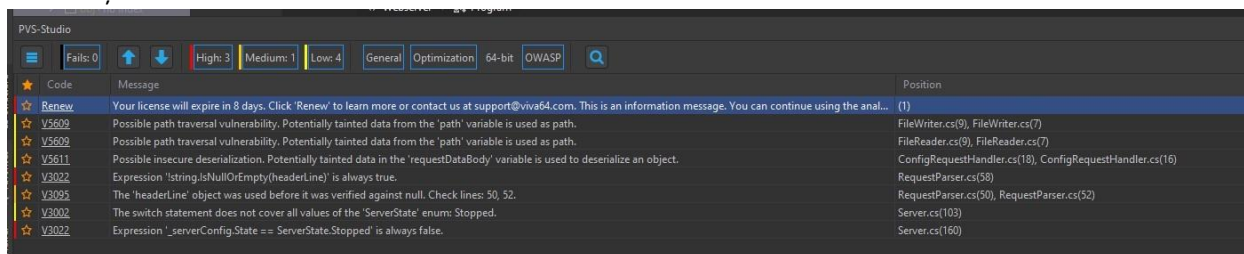
10 of 10 shown

The screenshot shows the SonarQube interface for the 'WebserverVVS' project, displaying the same filters as the previous screenshot. The main panel now shows only 1 issue, which is the same as the first issue in the previous screenshot:

- Update this implementation of 'Serializable' to conform to the recommended serialization pattern. Why is this an issue? last month - L6 - 20min effort - Comment

1 of 1 shown

Informații extrase de PVS Studio



Cyclomatic Complexity

Tool folosit – SCC <https://github.com/boyter/scc>

Language	Files	Lines	Blanks	Comments	Code	Complexity
C#	37	2182	386	0	1796	69
HTML	5	5	0	0	5	0
MSBuild	2	45	8	0	37	0
Docker ignore	1	25	0	0	25	0
Dockerfile	1	18	3	0	15	0
gitignore	1	366	72	97	197	0
Total	47	2641	469	97	2075	69

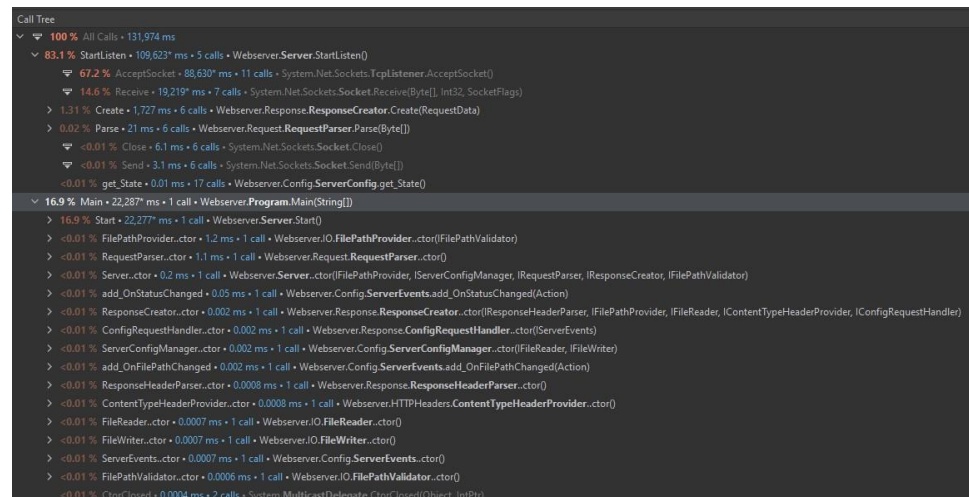
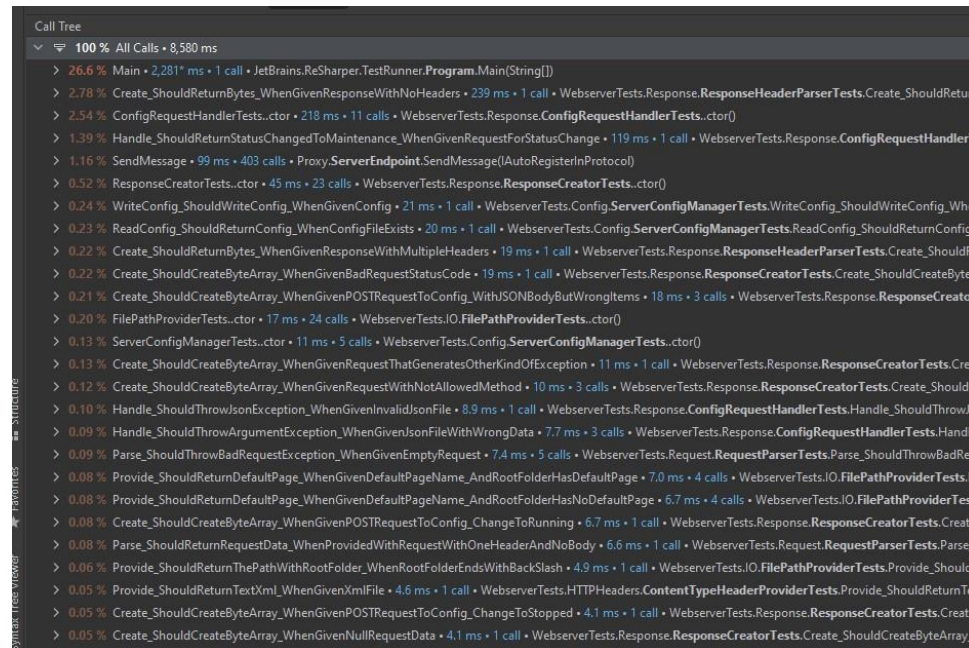
Tool folosit – Honeydew <https://github.com/dxworks/honeydew>

Exemplu de complexitate ciclomatică pentru câteva fișiere



Analiză Dinamică

Call Tree



Hot Spots

Hotspots	
83.5 %	Stack traces without user methods • 16,625 ms / 16,625 ms
11.5 %	Main • 2,281 ms / 2,281 ms • JetBrains.ReSharper.TestRunner.Program.Main(String[])
0.8 %	CreateProxy • 158 ms / 159 ms • Moq.CastleProxyFactory.CreateProxy(Type, Interceptor, Type[], Object[])
0.6 %	StringHumanizeExtensions..cctor • 117 ms / 118 ms • Humanizer.StringHumanizeExtensions..cctor()
0.5 %	ProxyFactory..cctor • 99 ms / 113 ms • Moq.ProxyFactory..cctor()
0.5 %	Handle • 99 ms / 106 ms • Webserver.Response.ConfigRequestHandler.Handle(String)
0.5 %	SendMessage • 99 ms / 99 ms • Proxy.ServerEndpoint.SendMessage(IAutoRegisterInProtocol)
0.4 %	Create_ShouldReturnBytes_WhenGivenResponseWithNoHeaders • 79 ms / 239 ms • Webserver.Tests.Response.ResponseHeaderParserTests.Create_ShouldReturnBytes_WhenGivenResponseWithNoHeaders()
0.2 %	Transform • 34 ms / 35 ms • Humanizer.ToTitleCase.Transform(String, CultureInfo)
0.1 %	Compile • 26 ms / 26 ms • Moq.DefaultExpressionCompiler.Compile(LambdaExpression)
0.09 %	WriteConfig • 18 ms / 18 ms • Webserver.Config.ServerConfigManager.WriteConfig(ServerConfig)
0.06 %	Compile • 13 ms / 13 ms • Moq.DefaultExpressionCompiler.Compile(Expression)
0.06 %	CastleProxyFactory..ctor • 12 ms / 13 ms • Moq.CastleProxyFactory..ctor()
0.06 %	<Split>g...Split\$0 • 11 ms / 78 ms • Moq.ExpressionExtensions.<Split>g...Split\$0(Expression, out Expression, out InvocationShape, Boolean, Boolean)
0.05 %	ReadConfig • 9.5 ms / 12 ms • Webserver.Config.ServerConfigManager.ReadConfig()
0.05 %	FromPascalCase • 9.3 ms / 14 ms • Humanizer.StringHumanizeExtensions.FromPascalCase(String)
0.03 %	Parse_ShouldReturnRequestData_WhenProvidedWithRequestWithOneHeaderAndNoBody • 6.1 ms / 6.6 ms • Webserver.Tests.Request.RequestParserTests.Parse_ShouldReturnRequestData_WhenProvidedWithRequestWithOneHeaderAndNoBody()
0.03 %	GetBytesForBadRequest • 6.0 ms / 25 ms • Webserver.Tests.Response.ResponseCreatorTests.GetBytesForBadRequest(ResponseStatusLine)
0.03 %	Provide • 5.6 ms / 8.3 ms • Webserver.IO.FilePathProvider.Provide(String)
0.02 %	ReadConfig_ShouldReturnConfig_WhenConfigFileExists • 4.6 ms / 20 ms • Webserver.Tests.Config.ServerConfigManagerTests.ReadConfig_ShouldReturnConfig_WhenConfigFileExists()
0.02 %	<FromPascalCase>b_0 • 4.5 ms / 4.5 ms • Humanizer.StringHumanizeExtensions.<>c...DisplayClass4_0.<FromPascalCase>b_0(Match)
0.02 %	Parse_ShouldThrowBadRequestException_WhenGivenEmptyRequest • 4.4 ms / 7.4 ms • Webserver.Tests.Request.RequestParserTests.Parse_ShouldThrowBadRequestException_WhenGivenEmptyRequest(String)
0.02 %	Split • 4.1 ms / 82 ms • Moq.ExpressionExtensions.Split(LambdaExpression, Boolean)
0.02 %	Create_ShouldCreateByteArray_WhenGivenRequestWithNotAllowedMethod • 3.8 ms / 10 ms • Webserver.Tests.Response.ResponseCreatorTests.Create_ShouldCreateByteArray_WhenGivenRequestWithNotAllowedMethod(String)
0.02 %	AppendFormattedName • 3.7 ms / 5.6 ms • TypeNameFormatter.TypeName.AppendFormattedName(StringBuilder, Type, TypeNameFormatOptions)
0.02 %	Evaluate • 3.6 ms / 30 ms • Moq.Evaluator.SubtreeEvaluator.Evaluate(Expression)
0.02 %	Provide_ShouldReturnTextXml_WhenGivenXmlFile • 3.5 ms / 4.6 ms • Webserver.Tests.HTTPHeaders.ContentTypeHeaderProviderTests.Provide_ShouldReturnTextXml_WhenGivenXmlFile()

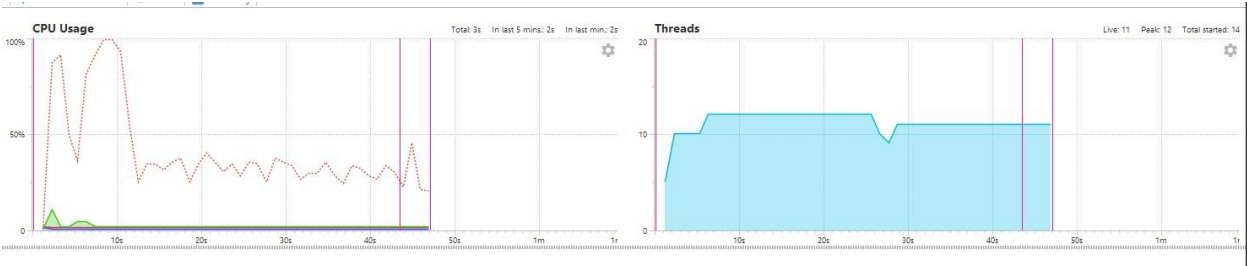
Hotspots	
81.7 %	StartListen • 107,875 ms / 109,623 ms • Webserver.Server.StartListen()
16.7 %	Start • 22,006 ms / 22,277 ms • Webserver.Server.Start()
0.6 %	Create • 754 ms / 1,717 ms • Webserver.Response.ResponseCreator.Create(ResponseStatusLine, IDictionary, String)
0.4 %	Humanize • 486 ms / 645 ms • Humanizer.StringHumanizeExtensions.Humanize(String)
0.2 %	ReadConfig • 226 ms / 242 ms • Webserver.Config.ServerConfigManager.ReadConfig()
0.1 %	StringHumanizeExtensions..cctor • 156 ms / 159 ms • Humanizer.StringHumanizeExtensions..cctor()
0.1 %	Transform • 154 ms / 154 ms • Humanizer.ToTitleCase.Transform(String, CultureInfo)
0.06 %	Stack traces without user methods • 82 ms / 82 ms
0.04 %	Humanize • 53 ms / 706 ms • Humanizer.EnumHumanizeExtensions.Humanize(Enum)
0.03 %	Humanize • 40 ms / 921 ms • Humanizer.EnumHumanizeExtensions.Humanize(Enum, LetterCasing)
0.02 %	Provide • 25 ms / 25 ms • Webserver.IO.FilePathProvider.Provide(String)
0.02 %	Read • 20 ms / 20 ms • Webserver.IO.FileReader.Read(String)
0.01 %	WriteConfig • 19 ms / 28 ms • Webserver.Config.ServerConfigManager.WriteConfig(ServerConfig)
0.01 %	Parse • 14 ms / 935 ms • Webserver.Response.ResponseHeaderParser.Parse(ResponseStatusLine, IDictionary)
<0.01 %	Write • 9.6 ms / 9.6 ms • Webserver.IO.FileWriter.Write(String, String)
<0.01 %	ParseFirstLine • 9.3 ms / 9.3 ms • Webserver.Request.RequestParser.ParseFirstLine(String)
<0.01 %	Transform • 8.7 ms / 163 ms • Humanizer.ToTitleCase.Transform(String)
<0.01 %	Main • 6.8 ms / 22,287 ms • Webserver.Program.Main(String[])
<0.01 %	Transform • 6.8 ms / 171 ms • Humanizer.To.Transform(String, params IStringTransformer[])
<0.01 %	GetCustomDescription • 5.5 ms / 5.5 ms • Humanizer.EnumHumanizeExtensions.GetCustomDescription(MemberInfo)
<0.01 %	ExtractLine • 5.0 ms / 5.0 ms • Webserver.Request.RequestParser.ExtractLine(Span, Int32)
<0.01 %	Create • 4.8 ms / 1,727 ms • Webserver.Response.ResponseCreator.Create(RequestData)
<0.01 %	Parse • 4.4 ms / 21 ms • Webserver.Request.RequestParser.Parse(Byte[])
<0.01 %	RegexOptionsUtil..cctor • 3.2 ms / 3.2 ms • Humanizer.RegexOptionsUtil..cctor()
<0.01 %	ApplyCase • 3.1 ms / 174 ms • Humanizer.CasingExtensions.ApplyCase(String, LetterCasing)
<0.01 %	UpdateHeadersDictionary • 2.5 ms / 2.5 ms • Webserver.Request.RequestParser.UpdateHeadersDictionary(IDictionary, String)
<0.01 %	GetExtension • 2.4 ms / 2.4 ms • Webserver.HTTPHeaders.ContentTypeHeaderProvider.GetExtension(String)

Flame Graph

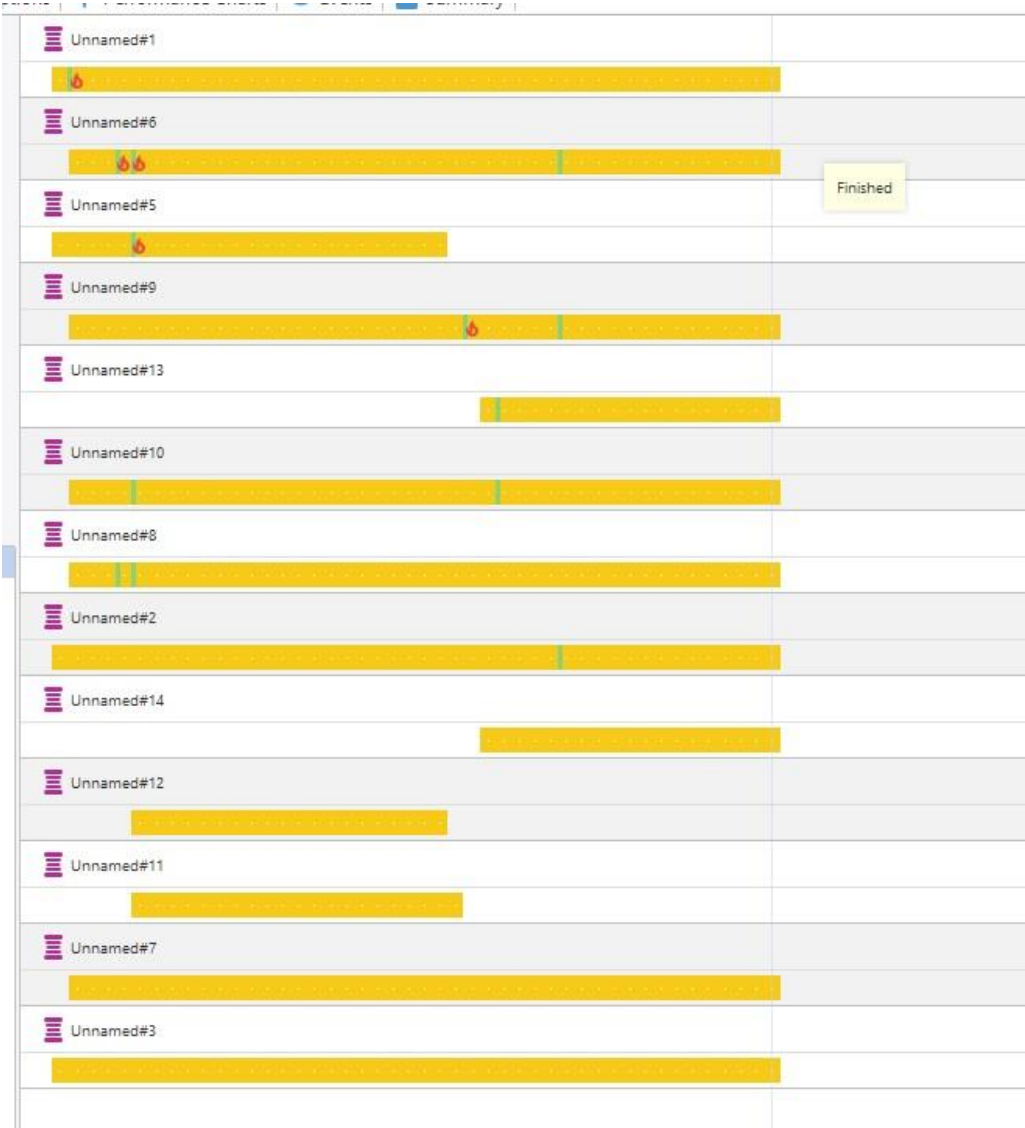
<div> <div>→</div> <div>Backtraces</div> <div>Flame graph</div> <div>Hotspots</div> </div>		
All Calls		
System.Threading.ThreadHelper.ThreadStart()	[Native or optimized code]	Webserver.Program...
System.Threading.ExecutionContext.RunInternal(ExecutionContext, ContextCallback, Object)		Webserver.Server.Sta...
System.Threading.ThreadHelper.ThreadStart_Context(Object)		System.Threading.Th...
Webserver.Server.StartListen()		
System.Net.Sockets.TcpListener.AcceptSocket()	System.Net.Sockets....	
System.Net.Sockets.Socket.Accept()	System.Net.Sockets....	
System.Net.Sockets.SocketPal.Accept(SafeSocketHandle, Byte[], ref Int32, out SafeSocketHa...	System.Net.Sockets....	
	System.Net.Sockets....	
	System.Net.Sockets....	

YourKit .Net Profile Results

CPU Usage



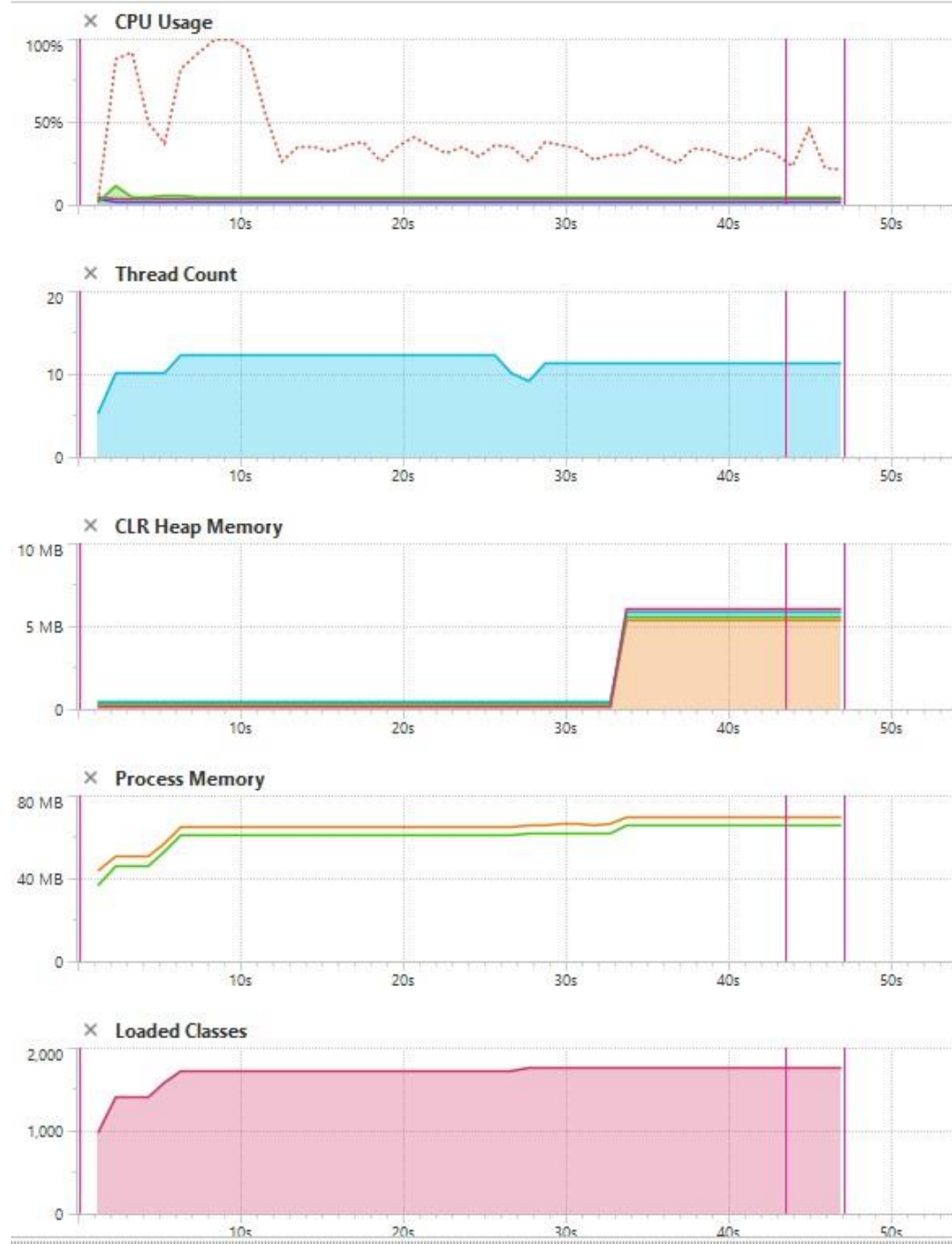
Threads



Memory Usage



Overall Performance



Flame Graph



Call Tree

Call Tree		Time (ms)	
< All threads >		247,547	100 %
System.Threading.ThreadHelper.ThreadStart()		204,687	83 %
< 2 calls > Webserver.Server.StartListen()		204,665	83 %
System.Net.Sockets.TcpListener.AcceptSocket()		120,795	49 %
Webserver.Request.RequestParser.Parse(Byte[])		58,407	24 %
System.Net.Sockets.Socket.Receive(Byte[], Int32, SocketFlags)		24,955	10 %
Webserver.Response.ResponseCreator.Create(RequestData)		489	0 %
System.Net.Sockets.Socket.Close()		10	0 %
System.Net.Sockets.Socket.Send(Byte[])		3	0 %
Webserver.Config.ServerConfig.get_State()		0	0 %
Webserver.Program.Main(String[])		42,613	17 %
Webserver.Server.Start()		42,592	17 %
System.Threading.Thread.Join()		40,935	17 %
Webserver.Config.ServerConfigManager.ReadConfig()		1,338	1 %
System.Net.Sockets.TcpListener..ctor(IPAddress, Int32)		131	0 %
Webserver.Config.ServerConfigManager.WriteConfig(ServerConfig)		118	0 %
System.Console.WriteLine(String)		30	0 %
System.Threading.Thread.Start()		11	0 %
System.Net.Sockets.TcpListener.Start()		7	0 %
Webserver.IO.FilePathProvider.SetRootPath(String)		3	0 %
System.Threading.Thread..ctor(ThreadStart)		3	0 %
System.Net.IPAddress..ctor()		2	0 %
System.String.Concat(String, String, String)		0.3	0 %
System.Collections.Generic.List.Add(T)		< 0.1	0 %
System.Collections.Generic.List.GetEnumerator()		< 0.1	0 %
Webserver.Config.ServerConfig..ctor(Int32, String, String, ServerState)		< 0.1	0 %
System.Collections.Generic.List..ctor()		< 0.1	0 %
System.Int32.ToString()		< 0.1	0 %
System.Collections.Generic.List/Enumerator.get_Current()		0	0 %
System.Collections.Generic.List/Enumerator.MoveNext()		0	0 %
System.MulticastDelegate.CtorClosed(Object, IntPtr)		0	0 %
Webserver.Config.ServerConfig.get_FilePath()		0	0 %
Webserver.Config.ServerConfig.get_MaintenanceFilePath()		0	0 %
Webserver.Config.ServerConfig.get_Port()		0	0 %
Webserver.Config.ServerConfig.get_State()		0	0 %
Webserver.Config.ServerConfig.set_State(ServerState)		0	0 %
Webserver.Request.RequestParser..ctor()		5	0 %
Webserver.IO.FilePathProvider..ctor(IFilePathValidator)		4	0 %
Webserver.Config.ServerEvents.add_OnStatusChanged(Action<Webserver.Config.ServerState>)		1	0 %
Webserver.Server..ctor(IFilePathProvider, IServerConfigManager, IRequestParser, IResponseCreator, IFilePathValidator)		0.9	0 %
Webserver.Config.ServerEvents.add_OnFilePathChanged(Action<String>)		< 0.1	0 %
System.MulticastDelegate.CtorClosed(Object, IntPtr)		0	0 %
Webserver.Config.ServerConfigManager..ctor(IFileReader, IFileWriter)		0	0 %
Webserver.Config.ServerEvents..ctor()		0	0 %
Webserver.HTTPHeaders.ContentTypeHeaderProvider..ctor()		0	0 %
Webserver.IO.FilePathValidator..ctor()		0	0 %
Webserver.IO.FileReader..ctor()		0	0 %
Webserver.IO.FileWriter..ctor()		0	0 %
Webserver.Response.ConfigRequestHandler..ctor(IServerEvents)		0	0 %
Webserver.Response.ResponseCreator..ctor(IResponseHeaderParser, IFilePathProvider, IFileReader, IContentTypeHeaderProv)		0	0 %
Webserver.Response.ResponseHeaderParser..ctor()		0	0 %
System.StartupHookProvider.ProcessStartupHooks()		145	0 %
System.AppContext.Setup(Char**, Char**, Int32)		89	0 %
System.Gen2GcCallback.Finalize()		11	0 %
System.Environment.SetCommandLineArgs(String[])		0.2	0 %

Method List

Method	Time (ms)
System.Threading.ThreadHelper.ThreadStart()	204,687 83 %
Webserver.Server.StartListen()	204,665 83 %
System.Net.Sockets.TcpListener.AcceptSocket()	179,043 72 %
Webserver.Request.RequestParser.Parse(Byte[])	58,407 24 %
Webserver.Request.RequestParser.ExtractLine(Span<Byte>, Int32)	58,388 24 %
Webserver.Program.Main(String[])	42,613 17 %
Webserver.Server.Start()	42,592 17 %
System.Threading.Thread.Join()	40,935 17 %
System.Net.Sockets.Socket.Receive(Byte[], Int32, SocketFlags)	25,015 10 %
Webserver.Config.ServerConfigManager.ReadConfig()	1,338 1 %
System.Text.Json.JsonSerializer.Deserialize<TValue>(String, JsonSerializerOptions)	926 0 %
Webserver.Response.ResponseCreator.Create(ResponseStatusLine, IDictionary<String,String>, String)	546 0 %
Webserver.Response.ResponseCreator.Create(RequestData)	506 0 %
Webserver.Response.ResponseHeaderParser.Parse(ResponseStatusLine, IDictionary<String,String>)	479 0 %
Humanizer.EnumHumanizeExtensions.Humanize(Enum, LetterCasing)	473 0 %
Webserver.IO.FileReader.Read(String)	410 0 %
System.IO.File.ReadAllBytes(String)	404 0 %
Humanizer.EnumHumanizeExtensions.Humanize(Enum)	395 0 %
Humanizer.StringHumanizeExtensions.Humanize(String)	365 0 %
Humanizer.StringHumanizeExtensions.cctor()	328 0 %
System.Text.RegularExpressions.Regex.cctor(String, RegexOptions)	320 0 %
System.StartupHookProvider.ProcessStartupHooks()	145 0 %
System.Net.Sockets.TcpListener.cctor(IPAddress, Int32)	131 0 %
Webserver.Config.ServerConfigManager.WriteConfig(ServerConfig)	118 0 %
System.AppContext.Setup(Char*, Char**, Int32)	89 0 %
Humanizer.CasingExtensions.ApplyCase(String, LetterCasing)	75 0 %
Humanizer.To.Transform(String, IStringTransformer[])	75 0 %
System.Linq.Enumerable.Aggregate<TSource,TAccumulate>((IEnumerable<TSource>, TAccumulate, Func<TAccumulate,TSource,TAccumulate>)	74 0 %
Humanizer.To.c.<Transform>b_0_0(String, IStringTransformer)	71 0 %
Humanizer.To.TitleCase.Transform(String)	71 0 %
Humanizer.To.TitleCase.Transform(String, CultureInfo)	65 0 %
Webserver.IO.FileWriter.Write(String, String)	60 0 %
System.IO.File.WriteAllText(String, String)	59 0 %
System.Collections.Generic.Dictionary.cctor(Int32, IEqualityComparer<TKey>)	59 0 %
System.Text.Json.JsonSerializer.Serialize<TValue>(TValue, JsonSerializerOptions)	56 0 %
Webserver.Response.ResponseCreator.Create(ResponseStatusLine)	46 0 %
System.Text.RegularExpressions.MatchCollection/Enumerator.MoveNext()	41 0 %
System.Console.WriteLine(String)	30 0 %
System.Text.Encoding.GetString(ReadOnlySpan<Byte>)	29 0 %
Humanizer.StringHumanizeExtensions.FromPascalCase(String)	27 0 %
System.Text.RegularExpressions.RegexCache.GetOrAdd(String)	26 0 %
System.Globalization.CultureInfo.get_CurrentCulture()	24 0 %
Webserver.IO.FilePathProvider.Provide(String)	21 0 %
System.Text.Encoding.GetBytes(String)	17 0 %
System.String.Join(String, IEnumerable<String>)	16 0 %
Webserver.Request.RequestParser.ParseFirstLine(String)	12 0 %
System.Threading.Thread.Start()	11 0 %
System.String.Split(Char, StringSplitOptions)	11 0 %
System.Gen2GcCallback.Finalize()	11 0 %
System.Net.Sockets.Socket.Close()	10 0 %
System.Text.Encoding.GetString(Byte[])	9 0 %
Humanizer.StringHumanizeExtensions.c__DisplayClass4_0.<FromPascalCase>b_0(Match)	8 0 %
System.Text.StringBuilder.Append(Int32)	8 0 %
System.String.ToLower()	8 0 %
System.Enum.ToString()	7 0 %
Humanizer.RegexOptionsUtil.get_Compiled()	7 0 %

Read Events

Row	Path	Class	Object	Aggr. Time (ms)	Life Time (ms)	When	Open.Count	Read.Bytes	Read.Bytes.Min	Read.Bytes.Max
#1	D:\Work\Scala\Anul 4\VVSI.Laborator\webserver\bin\Debug\net5.0\config.json	System.IO.FileStream	#603	28	67	946ms	1	166	166	166
#2	D:\Work\Scala\Anul 4\VVSI.Laborator\webserver\bin\Debug\net5.0\config.json	System.IO.FileStream	#1244	2	34	1s 939ms	1	0	0	0
#3	D:\Work\Angular\Hiking-Around-Romania\dist\index.html	System.IO.FileStream	#1677	0	0	5s 536ms	1	873	873	873
#4	D:\Work\Angular\Hiking-Around-Romania\dist\styles.5d65be5e1f18e14b18c5.css	System.IO.FileStream	#1702	0	0	5s 562ms	1	69,723	69,723	69,723
#5	D:\Work\Angular\Hiking-Around-Romania\dist\runtime.21c4c68f93e5826fa3b.js	System.IO.FileStream	#1706	0	0	5s 610ms	1	2,307	2,307	2,307
#6	D:\Work\Angular\Hiking-Around-Romania\dist\polyfills.35a5ca1855eb057916a.js	System.IO.FileStream	#1710	0	0	5s 928ms	1	36,870	36,870	36,870
#7	D:\Work\Angular\Hiking-Around-Romania\dist\main.c7d25fce3a223506a7fb.js	System.IO.FileStream	#1713	2	2	5s 928ms	1	2,767,775	2,767,775	2,767,775
#8	D:\Work\Angular\Hiking-Around-Romania\dist\assets\i18n\en.json	System.IO.FileStream	#1718	0	0	6s 257ms	1	4,838	4,838	4,838
#9	D:\Work\Angular\Hiking-Around-Romania\dist\5.302883432f1c27a8a21e.js	System.IO.FileStream	#1722	0	0	6s 671ms	1	112	112	112
#10	D:\Work\Scala\Anul 4\VVSI.Laborator\webserver\bin\Debug\net5.0\DefaultPages\400.html	System.IO.FileStream	#1764	0	0	27s 651ms	1	21	21	21
#11	D:\Work\Scala\Anul 4\VVSI.Laborator\webserver\bin\Debug\net5.0\DefaultPages\400.html	System.IO.FileStream	#1768	0	0	27s 915ms	1	21	21	21
#12	D:\Work\Scala\Anul 4\VVSI.Laborator\webserver\bin\Debug\net5.0\DefaultPages\400.html	System.IO.FileStream	#1772	0	0	29s 373ms	1	21	21	21
#13	D:\Work\Scala\Anul 4\VVSI.Laborator\webserver\bin\Debug\net5.0\DefaultPages\400.html	System.IO.FileStream	#1777	0	0	29s 538ms	1	21	21	21
#14	D:\Work\Angular\Hiking-Around-Romania\dist\index.html	System.IO.FileStream	#1781	0	0	32s 944ms	1	873	873	873
#15	D:\Work\Angular\Hiking-Around-Romania\dist\styles.5d65be5e1f18e14b18c5.css	System.IO.FileStream	#1785	0	0	32s 962ms	1	69,723	69,723	69,723
#16	D:\Work\Angular\Hiking-Around-Romania\dist\runtime.21c4c68f93e5826fa3b.js	System.IO.FileStream	#1789	0	0	33s 312ms	1	2,307	2,307	2,307
#17	D:\Work\Angular\Hiking-Around-Romania\dist\polyfills.35a5ca1855eb057916a.js	System.IO.FileStream	#1793	0	0	33s 329ms	1	36,870	36,870	36,870
#18	D:\Work\Angular\Hiking-Around-Romania\dist\main.c7d25fce3a223506a7fb.js	System.IO.FileStream	#1797	0	2	33s 329ms	1	2,767,775	2,767,775	2,767,775
#19	D:\Work\Angular\Hiking-Around-Romania\dist\assets\i18n\en.json	System.IO.FileStream	#1814	0	0	33s 560ms	1	4,838	4,838	4,838
#20	D:\Work\Angular\Hiking-Around-Romania\dist\5.302883432f1c27a8a21e.js	System.IO.FileStream	#1818	0	0	33s 828ms	1	112	112	112
#21	D:\Work\Angular\Hiking-Around-Romania\dist\favicon.ico	System.IO.FileStream	#1822	0	0	33s 935ms	1	948	948	948