

Analiza statica

Pentru analiza statica am folosit ESLint,un analizor static pentru indentificarea pattern-urilor problematice in javascript.

```
C:\Users\crist\Desktop\VVSPRJ\vvspriect>npx eslint server.js
Warning: React version not specified in eslint-plugin-react settings. See https://github.com/yannickcr/eslint-plugin-react#configuration .

C:\Users\crist\Desktop\VVSPRJ\vvspriect\server.js
  1:17  error  'require' is not defined            no-undef
  3:14  error  'require' is not defined            no-undef
  4:20  error  'require' is not defined            no-undef
 11:7   error  'my_users' is assigned a value but no-unused-vars
       never used

✖ 4 problems (4 errors, 0 warnings)

C:\Users\crist\Desktop\VVSPRJ\vvspriect>
```

```
C:\Users\crist\Desktop\VVSPRJ\vvspriect\src>npx eslint App.js
```

```
C:\Users\crist\Desktop\VVSPRJ\vvspriect\src\App.js
 22:10  error  Parsing error: Unexpected token =

✖ 1 problem (1 error, 0 warnings)
```

In print-ul de mai sus ESLint imi semnaleaza faptul ca functia require nu este definita in fisier deoarece este oferita de un pachet extern express.js

```
C:\Users\crist\Desktop\VVSPRJ\vvspriect\src\Components>npx eslint Admin.js Login.js Visualize.js
Warning: React version not specified in eslint-plugin-react settings. See https://github.com/yannickcr/eslint-plugin-react#configuration .

C:\Users\crist\Desktop\VVSPRJ\vvspriect\src\Components\Admin.js
  2:17  error  'Component' is defined but never used  no-unused-vars
  5:1   error  Mixed spaces and tabs                  no-mixed-spaces-and-tabs
 14:1   error  Mixed spaces and tabs                  no-mixed-spaces-and-tabs

C:\Users\crist\Desktop\VVSPRJ\vvspriect\src\Components>Login.js
 10:16  error  Parsing error: Unexpected token =

C:\Users\crist\Desktop\VVSPRJ\vvspriect\src\Components\Visualize.js
 10:11  error  Parsing error: Unexpected token =

✖ 5 problems (5 errors, 0 warnings)
```

ESLint semnaleaza si faptul ca am combinat spatiile cu tab-urile.

```
src\App.js
  Line 2:17: 'Component' is defined but never used  no-unused-vars
  Line 3:9:  'render' is defined but never used          no-unused-vars

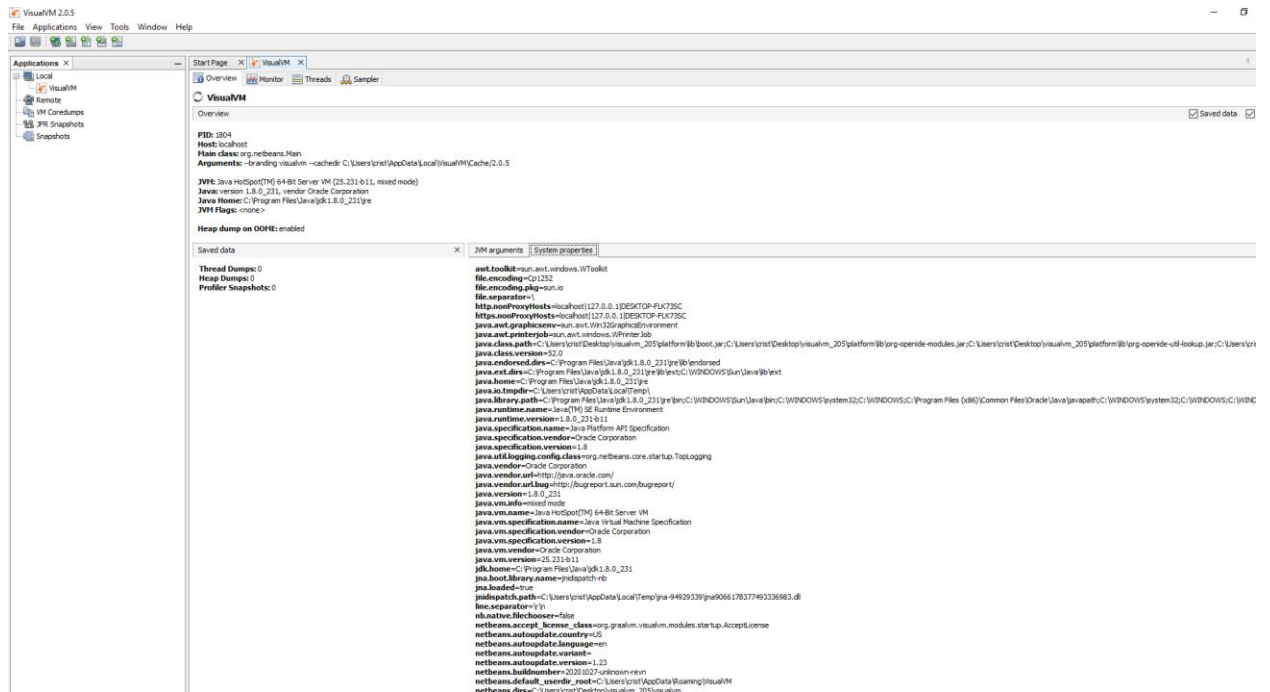
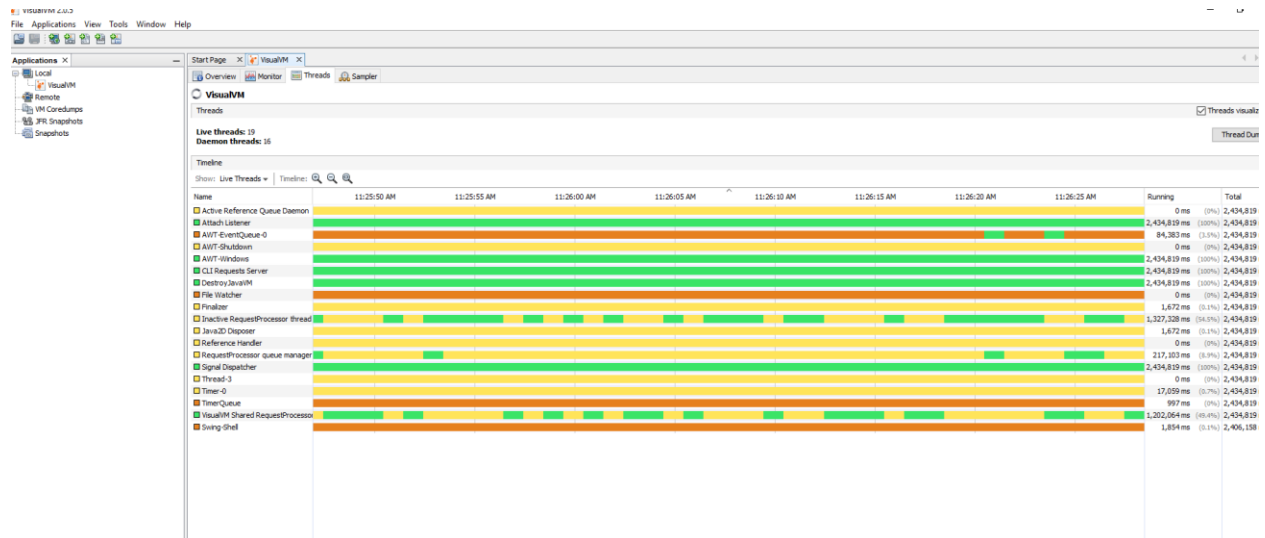
src\Components\Admin.js
  Line 2:17: 'Component' is defined but never used  no-unused-vars
  Line 5:1:  Mixed spaces and tabs                  no-mixed-spaces-and-tabs
  Line 14:1: Mixed spaces and tabs                     no-mixed-spaces-and-tabs

src\Components>Login.js
  Line 1:17: 'Component' is defined but never used  no-unused-vars
  Line 31:22: 'onRouteChange' is missing in props validation  react/prop-types
  Line 36:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 37:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 38:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 38:22: 'setAdmin' is missing in props validation  react/prop-types
  Line 39:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 39:23: 'onRouteChange' is missing in props validation  react/prop-types
  Line 40:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 41:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 42:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 44:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 48:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 54:1: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 54:14: 'onRouteChange' is missing in props validation  react/prop-types
  Line 55:2: Mixed spaces and tabs                    no-mixed-spaces-and-tabs

src\Components\Visualize.js
  Line 1:17: 'Component' is defined but never used  no-unused-vars
  Line 2:8:  'amgheghe' is defined but never used    no-unused-vars
  Line 7:1:  Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 18:16: 'onRouteChange' is missing in props validation  react/prop-types
  Line 20:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
  Line 33:16: 'onRouteChange' is missing in props validation  react/prop-types
  Line 35:8: Mixed spaces and tabs                    no-mixed-spaces-and-tabs
```

Acestea sunt toate erorile generate de ESLint pe toate fisierele proiectului.

Analiza Dinamica



VisualVM 4.10.0
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Thread Dump

2020-11-27 11:27:36
Full thread dump Java HotSpot(TM) 64-Bit Server VM (25.231-b11 mixed mode):

"Inactive RequestProcessor thread [Max:VisualVM Shared RequestProcessor/m121]" #54 daemon prio=1 os_prio=2 tid=0x00000001bb80800 nid=0x219c in Object.wait() [0x00000001b1f000]
java.lang.Thread.State: TIMED_WAITING (on object monitor)
at java.lang.Object.wait(Native Method)
at org.openide.util.RequestProcessor\$Processor.run(RequestProcessor.java:1977)
- locked <0x00000001f66850> (a java.lang.Object)

Locked ownable synchronizers:
- None

"Inactive RequestProcessor thread [Max:VisualVM Shared RequestProcessor/org.graalvm.visualvm.application.views.threads.ThreadedBeanDataManager1]" #55 daemon prio=1 os_prio=2 tid=0x00000001bb81800 nid=0x23dc in Object.wait() [0x00000001b1f000]
java.lang.Thread.State: TIMED_WAITING (on object monitor)
at java.lang.Object.wait(Native Method)
at org.openide.util.RequestProcessor\$Processor.run(RequestProcessor.java:1977)
- locked <0x00000001f66850> (a java.lang.Object)

Locked ownable synchronizers:
- None

"BringShell" #68 daemon prio=4 os_prio=0 tid=0x00000001bb82800 nid=0x2444 waiting on condition [0x00000001b1f000]
java.lang.Thread.State: WAITING (parking)
at sun.misc.Unsafe.park(Native Method)
- parking to wait for <0x00000001bb8d830> (a java.util.concurrent.locks.AbstractQueuedSynchronizer\$ConditionObject)
at java.util.concurrent.locks.LockSupport.park(LockSupport.java:175)
at java.util.concurrent.locks.AbstractQueuedSynchronizer\$ConditionObject.await(AbstractQueuedSynchronizer\$ConditionObject.java:2059)
at java.util.concurrent.LinkedBlockingQueue.take(LinkedBlockingQueue.java:462)
at java.util.concurrent.ThreadPoolExecutor.getTask(ThreadPoolExecutor.java:1074)
at java.util.concurrent.ThreadPoolExecutor.runWorker(ThreadPoolExecutor.java:1134)
at java.util.concurrent.ThreadPoolExecutor\$Worker.run(ThreadPoolExecutor.java:624)
at sun.misc.SignalHandler.run(SignalHandler.java:131)
at java.lang.Thread.run(Thread.java:748)

Locked ownable synchronizers:
- None

"Timer-0" #37 daemon prio=1 os_prio=2 tid=0x00000001bb82800 nid=0x23dc in Object.wait() [0x00000001b1f000]
java.lang.Thread.State: TIMED_WAITING (on object monitor)
at java.lang.Object.wait(Native Method)
at java.util.TimerThread.mainLoop(Timer.java:552)
- locked <0x00000001f66850> (a java.util.TaskQueue)
at java.util.TimerThread.run(Timer.java:506)

Locked ownable synchronizers:
- None

"Inactive RequestProcessor thread [Max:VisualVM Shared RequestProcessor/org.graalvm.visualvm.tools.jmx.Cache@BeanServerConnectionFactory\$SnapshotInvocationHandler2]" #36 daemon prio=1 os_prio=2 tid=0x00000001bb81800 nid=0x2540
java.lang.Thread.State: TIMED_WAITING (on object monitor)
at java.lang.Object.wait(Native Method)
at org.openide.util.RequestProcessor\$Processor.run(RequestProcessor.java:1977)
- locked <0x00000001f66850> (a java.lang.Object)

VisualVM 2.0.5

FileApplicationsViewToolsWindowHelp

Applications

Local

- VisualVM
 - [ThreadDump] 11:27:36 AM
 - [HeapDump] 11:28:56 AM
- Remote
 - VM CoreDumps
 - API Snapshots
 - Snapshots

Start PageVisualVM

OverviewMonitorThreadsSampler[ThreadDump] 11:27:36 AM[HeapDump] 11:28:56 AM

VisualVM

Heap Dump

Summary

Heap

Environment

Size51,286,159 B

SystemWindows 10 (10.0)

Classes7,980

Architectureamd64-64-bit

Instances276,326

Java HomeC:\Program Files\Java\jdk-1.8.0_231\jre

Classloaders151

Java Version1.8.0_231

GC Roots4,791

Java NameJava HotSpot(TM) 64-Bit Server VM (25.231-b11, mixed mode)

Objects Pending for Finalization0

Java VendorOracle Corporation

JVM Uptime64 min 10 sec

System Properties

Classes by Number of Instances

Classes by Size of Instances

char[]45,949 (16.4%)

int[]26,086,968 B (50.9%)

java.lang.String45,263 (16.4%)

byte[]8,742,680 B (17%)

java.util.HashMapNode24,630 (8.9%)

char[]4,224,148 B (8.3%)

java.lang.Object[]9,981 (3.6%)

java.lang.String1,287,364 B (2.5%)

java.util.HashMapEntry9,822 (3.6%)

java.util.HashMapNode1,083,720 B (2.1%)

Instances by Size

Dominators by Retained Size

int[]#2483 : 2,025,440 items8,112,794 B (15.8%)

Retained sizes must be computed first:

byte[]#2956 : 1,318,838 items7,958,052 B (15.5%)

Compute Retained Sizes

int[]#6165 : 1,347,700 items6,190,824 B (12.1%)

int[]#1034 : 1,048,576 items4,194,328 B (8.2%)

int[]#867 : 262,144 items1,048,600 B (2%)