

Thread: Java Memory Monitor

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Last Post: Sep 14, 2007 6:59 AM Last Post By: SunForumsGuest41 Threads: [[Previous](#) | [Next](#)]

[SunForumsGuest40](#) 

Posts: 50,000
Registered: 10/22/10

Java Memory Monitor

Posted: Dec 1, 2005 2:24 AM



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Hello
I have a little question.
I want to create a memori monitor like in NetBeans 5. to see memory status.
I am not sure that i can monitor SYSTEM memory usage, but it will be fine if i can monitor JVM memory ussage.
Can anyone help me or give me a good link to a tutorial ?

Thank you !

[SunForumsGuest40](#) 

Posts: 50,000
Registered: 10/22/10

Re: Java Memory Monitor

Posted: Dec 1, 2005 2:32 AM

[in response to: SunForumsGuest40](#)



[Reply](#)

I have made my own memory monitor bar. I post the code below :

```
import java.awt.*;
import javax.swing.*;

/**
 * Memory monitor component.
 *
 * @author Antoine Lemoine
 * @version 1.0 (Released Nov 2005)
 */
public class MemoryMonitorBar extends JPanel {
    /**
     * Constructor
     */
    public MemoryMonitorBar() {
        setLayout(new BorderLayout());

        this.label = new JLabel();
        add(label);
    }
}
```

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Legend



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-  Pro : 500 - 999 pts
-  Journeyman : 200 - 499 pts
-  Newbie : 0 - 199 pts
-  Oracle ACE Director
-  Oracle ACE Member
-  Oracle Employee ACE
-  Java Champion
-  Helpful Answer (5 pts)
-  Correct Answer (10 pts)

```

        Thread thread =
            new Thre
            {

                };

    }

    /*-----
       Protected
    -----*/

    protected void paintComp
    {
        super.paintComp

        long freeMemory
        long totalMemory
        long maxMemory =

        long memoryUsed

        label.setText((n

        Insets insets =

        int width = getW
        int height = get

        int x0 = insets.
        int x1 = insets.
        int x2 = insets.
        int x3 = insets.

        int y0 = insets.
        int y1 = insets.

        Graphics2D g2d =
        Paint oldPaint =
        g2d.setPaint(new
        g2d.fillRect(x0,

        g2d.setPaint(olc

        g2d.setColor(new
        g2d.fillRect(x1,

        g2d.setColor(get
        g2d.fillRect(x2,

    }

    /*-----
       Private
    -----*/

    private JLabel label;

```

```

    }

```

[CeciNEstPasUnPr...](#) 


Posts: 31,728
Registered: 09/25/10

Re: Java Memory Monitor

Posted: Dec 1, 2005 2:32 AM



[Reply](#)


 in response to: [SunForumsGuest40](#)

*Hello
I have a little question.
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you can't.

*but it will be fine if i can monitor JVM memory
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tutorial ?*

read the Runtime API.

[SunForumsGuest40](#) 


Posts: 50,000
Registered: 10/22/10

Re: Java Memory Monitor

Posted: Dec 1, 2005 2:35 AM



[Reply](#)

 in response to: [SunForumsGuest40](#)

Thank you
I WONT USE YOUR CODE IN MY PROJECT!
It will be a guide for me so no need to worry !

Thank you !

[SunForumsGuest40](#) 


Posts: 50,000
Registered: 10/22/10

Re: Java Memory Monitor

Posted: Dec 1, 2005 3:34 AM



[Reply](#)

 in response to: [SunForumsGuest40](#)

Oh, you could, I'm not fanatic
And no GPL license that contrains you to make an open source
program.

You could use, re-use, un-use and modify it

[SunForumsGuest40](#) 


Posts: 50,000
Registered: 10/22/10

Re: Java Memory Monitor

Posted: Dec 1, 2005 3:40 AM




[Reply](#)

 in response to: [SunForumsGuest40](#)

Thank you
But one thing i cannot understand
100% is my JPanel's width right ?
Then a "blue gradient box" appears and a gray one
What this means ?
for example for 5 MB used i have a preety long blue bar and a

for example for 6 MB I have a pretty long slider and a sort gray one
this means that there is a little more to reach 6 MB ?


Thank you

SunForumsGuest40 

Posts: 50,000
Registered: 10/22/10

Re: Java Memory Monitor

Posted: Dec 1, 2005 3:47 AM


 in response to: SunForumsGuest40



Reply

The first value with a gradient bar represents the memory used by the JVM
The second value represented by a gray bar is the memory allowed to the JVM at the time
The third value, the panel's width is the memory that the JVM can allow to herself if it is necessary : the JVM take more memory when the memory used reaches the memory allowed.


The JVM allowed memory is set to xMin JVM creation param at the begin of your program and the JVM max memory (size of the panel) is set to xMax JVM creation param

SunForumsGuest41 

Posts: 50,000
Registered: 10/22/10

Re: Java Memory Monitor

Posted: Sep 13, 2007 3:49 PM

 in response to: SunForumsGuest40




Reply

I have a question in regards to scramNet? I kind of found this helpful about ScramNet:

SCRAMNet (Shared Common Random Access Memory Network) is an interesting and unique approach to shared memory that has found relatively widespread application. It consists of memory/interface cards connected by a 150 megabit per second optical fiber token ring network.

If anyone knows scramNet could you please answer this question.


Can I write a java program to monitor the scramNet memory?

SunForumsGuest41 

Posts: 50,000
Registered: 10/22/10

Re: Java Memory Monitor

Posted: Sep 14, 2007 6:59 AM

 in response to: CeciNEstPasUnPr...



Reply

CeciNEstPasUnProgrammeur wrote:

*Hello
I have a little question.
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like in NetBeans 5*

*me in NetBeans J.
to see memory status.
I am not sure that i can monitor
SYSTEM memory usage,*


you can't.

Unless you use the mbean interface to the JVM (JMX). The JMX interfaces exposes the platform mbean which has an 'OperatingSystem' Object. It contains various details on the OS the JVM is running on. Including FreePhysicalMemorySize and some other memory info.

*but it will be fine if i can monitor JVM
memory
usage.
Can anyone help me or give me a
good link to a
tutorial ?*

read the Runtime API.


Pages: 1

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