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NMON Analyzer for Linux

K.Amali Osadi · [Follow](#)

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NMON stands for Nigel's performance monitor. This tool can be used for capturing different types of performance information of your host. In this blog post, I am going to explain to you how to capture your performance statistics using this great tool and visualize it using [NMON Visualizer](#).

First of all, you need to install NMON on your Linux Machine. You can use the following command for that.

```
sudo apt-get install nmon
```

You can verify the success of your installation process by typing **nmon** in the terminal. If there is no error in installation process you can see the following type of screen on your terminal.

The screenshot shows the nmon terminal interface. At the top, it says "nmon-14g [H for help] Hostname=amalio Refresh= 2secs 10:38.34". Below that is a help menu:

```
For help type H or ...
  nmon -? - hint
  nmon -h - full
To start the same way every time
  set the NMON ksh variable
```

Below the help menu is a section for key bindings:

```
Use these keys to toggle statistics on/off:
  c = CPU      l = CPU Long-term    - = Faster screen updates
  m = Memory   j = Filesystems     + = Slower screen updates
  d = Disks    n = Network        V = Virtual Memory
  r = Resource  N = NFS           v = Verbose hints
  k = kernel   t = Top-processes . = only busy disks/procs
  h = more options q = Quit
```

In this post, I am going to show you downloading NMON statistics as.nmon file and then visualize it.

Ex: Let's say you want to analyze your host performance every 15 seconds for one hour.

You have to run following command on your terminal

```
nmon -f -s 15 -c 240
```

Let's understand each parameter used in above command.

-f : output performance stats as a spreadsheet format. The name of the output file is in the format of **hostname_YYMMDD_HHMM.nmon**.

-s : time interval that needs to refresh the screen (In this example every 15 seconds NMON captures the performance stats)

-c : number of snapshots points you want to use.

calculating -c value is a little bit tricky. So for this example, you want to analyze your data for 1 hour.

$$\text{-c value} = \text{time you want to capture data (seconds)} / \text{-s value (seconds)}$$

$$1 \text{ hour} = 60 * 60 = 3600 \text{ seconds}$$

$$\text{so -c} = 3600/15 = 240$$

After you run this command you will get the following kind of output.

```
amalio@amalio:~/Desktop/NMON$ nmon -f -s 15 -c 240
amalio@amalio:~/Desktop/NMON$ ls
amalio_171017_1231.nmon
```

So now you have .nmon file on your hand. Now you need NMON Visualizer to visualize the collected NMON statistics.

Go to [NMON Visualizer](#) page and download the latest version of NMON Visualizer. you get a jar folder and type the following command on your terminal to execute this jar.

java -jar NMONVisualizer_2017-08-08.jar (remember to replace your jar file name)

Then load the nmon file clicking **File -> Load** in NMON visualizer and it will visualize your collected statistics as below.



Use this awesome tool to analyze your system performance. It's so simple and

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```
"price": 5000,
"description": "Maintain your garden with ease using"
},
{
  "id": 7,
  "title": "Elegant Dining Table",
  "category": "furniture",
  "price": 6000,
  "description": "Create beautiful memories with your loved ones"
},
{
  "id": 8,
  "title": "Luxury Leather Sofa",
  "category": "furniture",
  "price": 7000,
  "description": "Indulge in comfort and style"
},
{
  "id": 9,
  "title": "Premium Laptop Bag",
  "category": "accessories",
  "price": 4000,
  "description": "Protect your valuable laptop"
}.
```

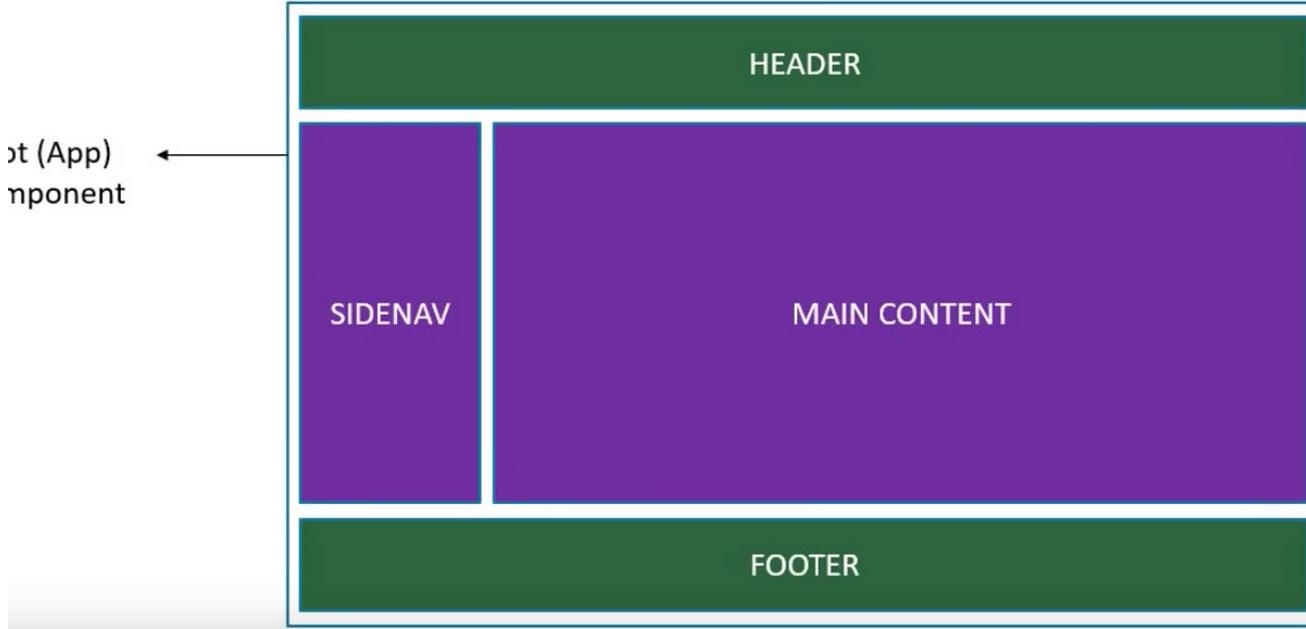
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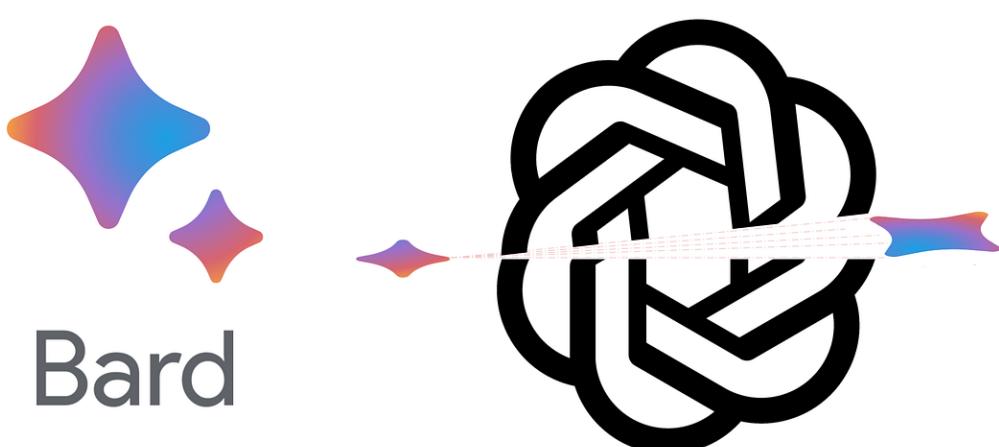
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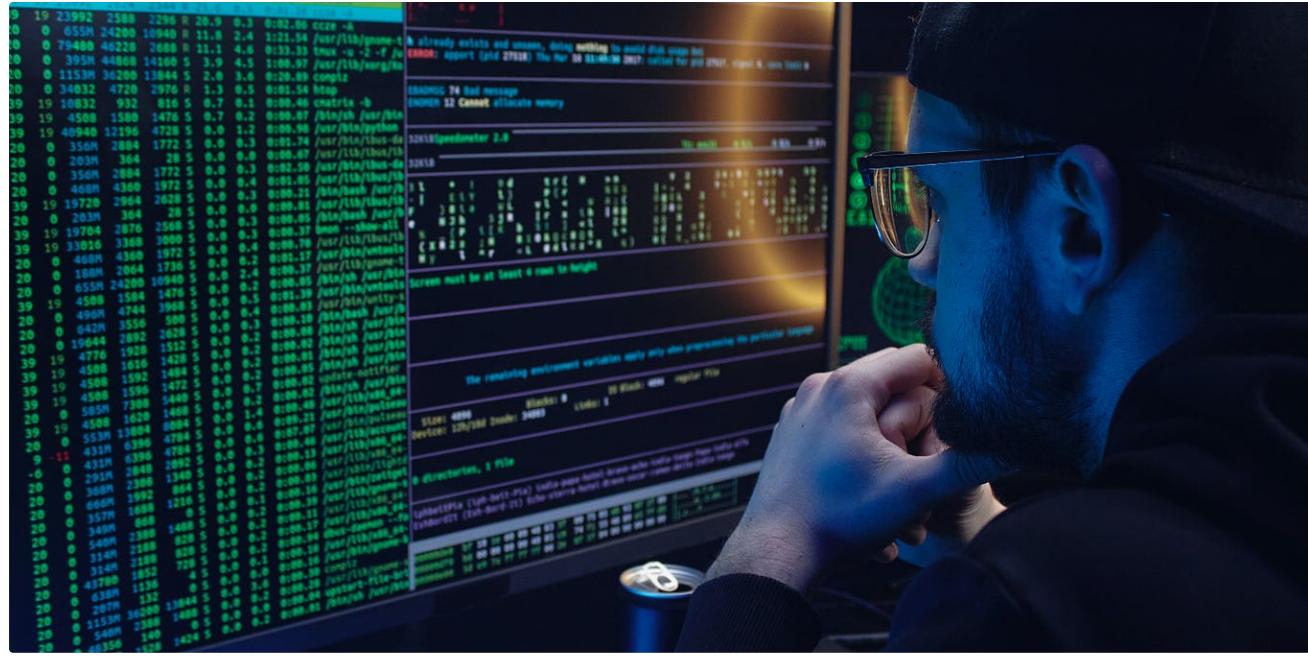
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The screenshot shows a comparison of two versions of the file `Chat.tsx`. The left pane displays the original code, while the right pane shows the updated code after a merge. The Timeline on the left lists several commits, including changes to `ChatInput.tsx`, `ChatLoader.tsx`, `ChatMessage.tsx`, and `ErrorMessageDiv.tsx`, along with a commit to `NPM SCRIPTS`.

```

diff --git a/Chat.tsx b/Chat.tsx
--- a/Chat.tsx
+++ b/Chat.tsx
@@ -597,10 +597,10 @@</button>
@@ -599,10 +599,10 @@<button className="ml-2 cursor-pointer h
@@ -600,10 +600,10 @@<IconClearAll size={18} />
@@ -601,10 +601,10 @@</button>
@@ -602,10 +602,10 @@</div>
@@ -603,10 +603,10 @@{showSettings && (
@@ -604,10 +604,10 @@<div className="flex flex-col space-y-10
@@ -605,10 +605,10 @@<div className="flex h-full flex-col s
@@ -606,10 +606,10 @@<ModelSelect />
@@ -607,10 +607,10 @@<TemperatureSlider You, 2 month
@@ -608,10 +608,10 @@label={t('Temperature')}
@@ -609,10 +609,10 @@onChangeTemperature={(temperature)
@@ -610,10 +610,10 @@handleUpdateConversation(
@@ -611,10 +611,10 @@selectedConversation!,
@@ -612,10 +612,10 @@{
@@ -613,10 +613,10 @@key: 'temperature',
@@ -614,10 +614,10 @@value: temperature,
@@ -615,10 +615,10 @@),
@@ -616,10 +616,10 @@conversations,
@@ -617,10 +617,10 @@)
@@ -618,10 +618,10 @@}
@@ -619,10 +619,10 @@>
@@ -620,10 +620,10 @@</div>
@@ -621,10 +621,10 @@</div>
@@ -622,10 +622,10 @@>
@@ -623,10 +623,10 @@<div>
@@ -624,10 +624,10 @@{messages.map((message, index) => (
@@ -625,10 +625,10 @@<MemorizedchatMessage
@@ -626,10 +626,10 @@key={[(message as any).id ?? index]
@@ -627,10 +627,10 @@message={message}
@@ -628,10 +628,10 @@loading={
@@ -629,10 +629,10 @@message.role === 'assistant' && load
@@ -630,10 +630,10 @@)

```

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