

top 命令

作者: [oldcaptain](#)

原文链接: <https://ld246.com/article/1411638609969>

来源网站: [链滴](#)

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<p>源《鸟哥的linux私房菜》</p>

<p> </p>

<p>top: 动态观察程序的变化</p>

<p> </p>

<div class="cnblogs_Highlighter">

<div id="highlighter_842443" class="syntaxhighlighter nogutter ruby">

<table>

<tbody>

<tr>

<td class="code">

<div class="container">

<div class="line number1 index0 alt2"><code class="ruby plain">[root</code><code class="ruby variable bold">@linux</code> <code class="ruby plain">~]</code><code class="ruby comments"># top [-d] | top [-bnp]</code></div>

<div class="line number2 index1 alt1"><code class="ruby plain">参数: </code></div>

<div class="line number3 index2 alt2"><code class="ruby plain">-d : 后面可以接秒数, 就是个程序画面更新的秒数。预设是 </code><code class="ruby constants">5</code> <code class="ruby plain">秒; </code></div>

<div class="line number4 index3 alt1"><code class="ruby plain">-b : 以批次的方式执行 top 还有更多的参数可以使用喔! </code></div>

<div class="line number5 index4 alt2"><code class="ruby plain">通常会搭配数据流重导向来批次的结果输出成为档案。 </code></div>

<div class="line number6 index5 alt1"><code class="ruby plain">-n : 与 -b 搭配, 意义是, 要进行几次 top 的输出结果。 </code></div>

<div class="line number7 index6 alt2"><code class="ruby plain">-p : 指定某些个 </code><code class="ruby constants">PID</code> <code class="ruby plain">来进行观察监测而。 </code></div>

<div class="line number8 index7 alt1"><code class="ruby plain">在 top 执行过程当中可以使用的按键指令: </code></div>

<div class="line number9 index8 alt2"><code class="ruby plain">? : 显示在 top 当中可以输的按键指令; </code></div>

<div class="line number10 index9 alt1"><code class="ruby constants">P</code> <code class="ruby plain">: 以 </code><code class="ruby constants">CPU</code> <code class="ruby plain">的使用资源排序显示; </code></div>

<div class="line number11 index10 alt2"><code class="ruby constants">M</code> <code class="ruby plain">: 以 Memory 的使用资源排序显示; </code></div>

<div class="line number12 index11 alt1"><code class="ruby constants">N</code> <code class="ruby plain">: 以 </code><code class="ruby constants">PID</code> <code class="ruby plain">来排序喔! </code></div>

<div class="line number13 index12 alt2"><code class="ruby constants">T</code> <code class="ruby plain">: 由该 Process 使用的 </code><code class="ruby constants">CPU</code> <code class="ruby plain">时间累积 (</code><code class="ruby constants">TIME</code><code class="ruby plain">+) 排序。 </code></div>

<div class="line number14 index13 alt1"><code class="ruby plain">k : 给予某个 </code><code class="ruby constants">PID</code> <code class="ruby plain">一个讯号 (signal)</code></div>

<div class="line number15 index14 alt2"><code class="ruby plain">r : 给予某个 </code><code class="ruby constants">PID</code> <code class="ruby plain">重新制订一个 nice 。 </code></div>

</div>

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</tr>

</tbody>

</table>

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</div>
</div>
<p>&nbsp;</p>
<p>&nbsp;</p>
<p>范例1: 每两秒钟更新一次 top , 观察整体信息</p>
<p>&nbsp;</p>
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<div id="highlighter_12357" class="syntaxhighlighter nogutter ruby">
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<div class="line number1 index0 alt2"><code class="ruby plain">[root</code> <code class="
ruby variable bold">@linux</code> &nbsp;<code class="ruby plain">~]</code> <code class
"ruby comments"># top -d 2</code> </div>
<div class="line number2 index1 alt1"><code class="ruby plain">top - </code> <code class
"ruby constants">18</code> <code class="ruby plain">:</code> <code class="ruby constant
">30</code> <code class="ruby plain">:</code> <code class="ruby constants">36</code>
&nbsp;<code class="ruby plain">up </code> <code class="ruby constants">30</code> &nbsp;<
code class="ruby plain">days, </code> <code class="ruby constants">7</code> &nbsp;<c
ode class="ruby plain">min, </code> <code class="ruby constants">1</code> &nbsp;<code c
ass="ruby plain">user, load average: </code> <code class="ruby constants">0</code> <cod
e class="ruby plain">.</code> <code class="ruby constants">42</code> <code class="ruby pl
in">, </code> <code class="ruby constants">0</code> <code class="ruby plain">.</code> <
ode class="ruby constants">48</code> <code class="ruby plain">, </code> <code class="ru
y constants">0</code> <code class="ruby plain">.</code> <code class="ruby constants">4
</code> </div>
<div class="line number3 index2 alt2"><code class="ruby plain">Tasks: </code> <code clas
="ruby constants">163</code> &nbsp;<code class="ruby plain">total, </code> <code class
"ruby constants">1</code> &nbsp;<code class="ruby plain">running, </code> <code class=
ruby constants">161</code> &nbsp;<code class="ruby plain">sleeping, </code> <code clas
="ruby constants">1</code> &nbsp;<code class="ruby plain">stopped, </code> <code clas
="ruby constants">0</code> &nbsp;<code class="ruby plain">zombie</code> </div>
<div class="line number4 index3 alt1"><code class="ruby plain">Cpu(s): </code> <code clas
="ruby constants">4</code> <code class="ruby plain">.</code> <code class="ruby constant
">7</code> <code class="ruby plain">% us, </code> <code class="ruby constants">4</cod
> <code class="ruby plain">.</code> <code class="ruby constants">0</code> <code class="
uby plain">% sy, </code> <code class="ruby constants">6</code> <code class="ruby plain"
.</code> <code class="ruby constants">3</code> <code class="ruby plain">% ni, </code> <
ode class="ruby constants">82</code> <code class="ruby plain">.</code> <code class="ru
y constants">5</code> <code class="ruby plain">% id, </code> <code class="ruby constants
">0</code> <code class="ruby plain">.</code> <code class="ruby constants">4</code> <co
e class="ruby plain">% wa, </code> <code class="ruby constants">0</code> <code class="r
by plain">.</code> <code class="ruby constants">1</code> <code class="ruby plain">% hi,
</code> <code class="ruby constants">2</code> <code class="ruby plain">.</code> <code
lass="ruby constants">0</code> <code class="ruby plain">% si</code> </div>
<div class="line number5 index4 alt2"><code class="ruby plain">Mem: 1033592k total, 9552
2k used, 78340k free, 208648k buffers</code> </div>
<div class="line number6 index5 alt1"><code class="ruby plain">Swap: 1052216k total, 728k
used, 1051488k free, 360248k cached</code> </div>
<div class="line number7 index6 alt2"><code class="ruby plain">&lt;==如果加入 k 或 r 时,
会有相关的字样出现在这里喔! </code> </div>
<div class="line number8 index7 alt1">&nbsp;</div>

```



```

e class="ruby constants">0</code>&nbsp;<code class="ruby constants">0</code>&nbsp;<code class="ruby constants">S</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">0</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">0</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">:</code><code class="ruby constants">52</code><code class="ruby plain">.</code><code class="ruby constants">76</code>&nbsp;<code class="ruby plain">migration/</code><code class="ruby constants">0</code></div>
<div class="line number15 index14 alt2"><code class="ruby constants">3</code>&nbsp;<code class="ruby plain">root </code><code class="ruby constants">34</code>&nbsp;<code class="ruby constants">19</code>&nbsp;<code class="ruby constants">0</code>&nbsp;<code class="ruby constants">0</code>&nbsp;<code class="ruby constants">S</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">0</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">0</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">:</code><code class="ruby constants">03</code><code class="ruby plain">.</code><code class="ruby constants">01</code>&nbsp;<code class="ruby plain">ksoftirqd/</code><code class="ruby constants">0</code></div>
</div>
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</div>
</div>
<p>&nbsp;</p>
<p>&nbsp;</p>
<p>范例2: 将 top 的信息进行 2 次, 然后将结果输出到 /tmp/top.txt</p>
<p>&nbsp;</p>
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<div class="line number2 index1 alt1"><code class="ruby comments"># 这样一来, 嘿嘿! 就以将 top 的信息存到 /tmp/top.txt 档案中了。</code></div>
</div>
</td>
</tr>
</tbody>
</table>
</div>
</div>
<p>&nbsp;</p>
<p>&nbsp;</p>
<p>范例3: 假设 10604 是一个已经存在的 PID , 仅观察该程序? </p>
<p>&nbsp;</p>
<div class="cnblogs_Highlighter">

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ruby variable bold">@linux</code> &nbsp;<code class="ruby plain">~]</code> <code class
"ruby comments"># top -d 2 -p10604</code> </div>
<div class="line number2 index1 alt1"><code class="ruby plain">top - </code> <code class
"ruby constants">13</code> <code class="ruby plain">:</code> <code class="ruby constant
">53</code> <code class="ruby plain">:</code> <code class="ruby constants">00</code>
nbsp;<code class="ruby plain">up </code> <code class="ruby constants">51</code> &nbsp;
<code class="ruby plain">days, </code> <code class="ruby constants">2</code> <code clas
="ruby plain">:</code> <code class="ruby constants">27</code> <code class="ruby plain">
</code> <code class="ruby constants">1</code> &nbsp;<code class="ruby plain">user, loa
average: </code> <code class="ruby constants">0</code> <code class="ruby plain">.</cod
> <code class="ruby constants">00</code> <code class="ruby plain">,</code> <code class
"ruby constants">0</code> <code class="ruby plain">.</code> <code class="ruby constants
">00</code> <code class="ruby plain">,</code> <code class="ruby constants">0</code> <
ode class="ruby plain">.</code> <code class="ruby constants">00</code> </div>
<div class="line number3 index2 alt2"><code class="ruby plain">Tasks: </code> <code clas
="ruby constants">1</code> &nbsp;<code class="ruby plain">total, </code> <code class="r
by constants">0</code> &nbsp;<code class="ruby plain">running, </code> <code class="ru
y constants">1</code> &nbsp;<code class="ruby plain">sleeping, </code> <code class="ru
y constants">0</code> &nbsp;<code class="ruby plain">stopped, </code> <code class="rub
constants">0</code> &nbsp;<code class="ruby plain">zombie</code> </div>
<div class="line number4 index3 alt1"><code class="ruby plain">Cpu(s): </code> <code clas
="ruby constants">0</code> <code class="ruby plain">.</code> <code class="ruby constant
">0</code> <code class="ruby plain">% us, </code> <code class="ruby constants">0</cod
> <code class="ruby plain">.</code> <code class="ruby constants">0</code> <code class="
uby plain">% sy, </code> <code class="ruby constants">0</code> <code class="ruby plain"
.</code> <code class="ruby constants">0</code> <code class="ruby plain">% ni, </code> <
ode class="ruby constants">100</code> <code class="ruby plain">.</code> <code class="r
by constants">0</code> <code class="ruby plain">% id, </code> <code class="ruby constan
s">0</code> <code class="ruby plain">.</code> <code class="ruby constants">0</code> <
ode class="ruby plain">% wa, </code> <code class="ruby constants">0</code> <code class
"ruby plain">.</code> <code class="ruby constants">0</code> <code class="ruby plain">%
i, </code> <code class="ruby constants">0</code> <code class="ruby plain">.</code> <cod
class="ruby constants">0</code> <code class="ruby plain">% si</code> </div>
<div class="line number5 index4 alt2"><code class="ruby plain">Mem: 385676k total, 37176
k used, 13916k free, 131164k buffers</code> </div>
<div class="line number6 index5 alt1"><code class="ruby plain">Swap: 1020116k total, 880k
used, 1019236k free, 95772k cached</code> </div>
<div class="line number7 index6 alt2">&nbsp;</div>
<div class="line number8 index7 alt1"><code class="ruby constants">PID</code> &nbsp;<c
de class="ruby constants">USER</code> &nbsp;<code class="ruby constants">PR</code>
nbsp;<code class="ruby constants">NI</code> &nbsp;<code class="ruby constants">VIRT</
ode> &nbsp;<code class="ruby constants">RES</code> &nbsp;<code class="ruby constants
">SHR</code> &nbsp;<code class="ruby constants">S</code> &nbsp;<code class="ruby pla
n">%</code> <code class="ruby constants">CPU</code> &nbsp;<code class="ruby plain">
</code> <code class="ruby constants">MEM</code> &nbsp;<code class="ruby constants">
IME</code> <code class="ruby plain">+ </code> <code class="ruby constants">COMMAN
</code> </div>
```

```
<div class="line number9 index8 alt2"><code class="ruby constants">10604</code>&nbsp;<code class="ruby plain">root </code><code class="ruby constants">16</code>&nbsp;<code class="ruby constants">0</code>&nbsp;<code class="ruby constants">5396</code>&nbsp;<code class="ruby constants">1544</code>&nbsp;<code class="ruby constants">1244</code>&nbsp;<code class="ruby constants">S</code>&nbsp;<code class="ruby constants"></code><code class="ruby plain">.</code><code class="ruby constants">0</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">4</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">:</code><code class="ruby constants">00</code><code class="ruby plain">.</code><code class="ruby constants">07</code>&nbsp;<code class="ruby plain">bash</code></div>
```

</div>

</td>

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</tbody>

</table>

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<p> </p>

<p> </p>

<p>范例四：承上题，上面的 NI 值是 0，想要改成 10 的话？</p>

<p> </p>

<div class="cnblogs_Highlighter">

<div id="highlighter_662177" class="syntaxhighlighter nogutter ruby">

<table>

<tbody>

<tr>

<td class="code">

<div class="container">

<div class="line number1 index0 alt2"><code class="ruby comments"># 在范例三 top 画当中直接按下 r 之后，会出现如下的图样！</code></div>

```
<div class="line number2 index1 alt1"><code class="ruby plain">top - </code><code class="ruby constants">13</code><code class="ruby plain">:</code><code class="ruby constant">53</code><code class="ruby plain">:</code><code class="ruby constants">00</code>&nbsp;<code class="ruby plain">up </code><code class="ruby constants">51</code>&nbsp;<code class="ruby plain">days, </code><code class="ruby constants">2</code><code class="ruby plain">:</code><code class="ruby constants">27</code><code class="ruby plain"></code><code class="ruby constants">1</code>&nbsp;<code class="ruby plain">user, load average: </code><code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">00</code><code class="ruby plain">,</code><code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">00</code><code class="ruby plain">,</code><code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">00</code></div>
```

```
<div class="line number3 index2 alt2"><code class="ruby plain">Tasks: </code><code class="ruby constants">1</code>&nbsp;<code class="ruby plain">total, </code><code class="ruby constants">0</code>&nbsp;<code class="ruby plain">running, </code><code class="ruby constants">1</code>&nbsp;<code class="ruby plain">sleeping, </code><code class="ruby constants">0</code>&nbsp;<code class="ruby plain">stopped, </code><code class="ruby constants">0</code>&nbsp;<code class="ruby plain">zombie</code></div>
```

```
<div class="line number4 index3 alt1"><code class="ruby plain">Cpu(s): </code><code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constant">0</code><code class="ruby plain">% us, </code><code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">0</code><code class="ruby plain">% sy, </code><code class="ruby constants">0</code><code class="ruby plain">
```

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.</code><code class="ruby constants">0</code><code class="ruby plain">% ni, </code><code class="ruby constants">100</code><code class="ruby plain">.</code><code class="ruby constants">0</code><code class="ruby plain">% id, </code><code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">0</code><code class="ruby plain">% wa, </code><code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">0</code><code class="ruby plain">% i, </code><code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">0</code><code class="ruby plain">% si</code></div>  
<div class="line number5 index4 alt2"><code class="ruby plain">Mem: 385676k total, 37176k used, 13916k free, 131164k buffers</code></div>  
<div class="line number6 index5 alt1"><code class="ruby plain">Swap: 1020116k total, 880k used, 1019236k free, 95772k cached</code></div>  
<div class="line number7 index6 alt2"><code class="ruby constants">PID</code>&nbsp;<code class="ruby plain">to renice: </code><code class="ruby constants">10604</code></div>  
<div class="line number8 index7 alt1">&nbsp;</div>  
<div class="line number9 index8 alt2"><code class="ruby constants">PID</code>&nbsp;<code class="ruby constants">USER</code>&nbsp;<code class="ruby constants">PR</code>&nbsp;<code class="ruby constants">NI</code>&nbsp;<code class="ruby constants">VIRT</code>&nbsp;<code class="ruby constants">RES</code>&nbsp;<code class="ruby constants">SHR</code>&nbsp;<code class="ruby constants">S</code>&nbsp;<code class="ruby plain">%</code><code class="ruby constants">CPU</code>&nbsp;<code class="ruby plain"></code><code class="ruby constants">MEM</code>&nbsp;<code class="ruby constants">IME</code><code class="ruby plain">+ </code><code class="ruby constants">COMMAN</code></div>  
<div class="line number10 index9 alt1"><code class="ruby constants">10604</code>&nbsp;<code class="ruby plain">root </code><code class="ruby constants">16</code>&nbsp;<code class="ruby constants">0</code>&nbsp;<code class="ruby constants">5396</code>&nbsp;<code class="ruby constants">1544</code>&nbsp;<code class="ruby constants">1244</code>&nbsp;<code class="ruby constants">S</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">0</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">4</code>&nbsp;<code class="ruby constants">0</code><code class="ruby plain">:</code><code class="ruby constants">00</code><code class="ruby plain">.</code><code class="ruby constants">07</code>&nbsp;<code class="ruby plain">bash</code></div>  
<div class="line number11 index10 alt2"><code class="ruby comments"># 之后, 可以输入 ni e 值了! </code></div>  
<div class="line number12 index11 alt1"><code class="ruby plain">top - </code><code class="ruby constants">13</code><code class="ruby plain">:</code><code class="ruby constants">53</code><code class="ruby plain">:</code><code class="ruby constants">00</code>&nbsp;<code class="ruby plain">up </code><code class="ruby constants">51</code>&nbsp;<code class="ruby plain">days, </code><code class="ruby constants">2</code><code class="ruby plain">:</code><code class="ruby constants">27</code><code class="ruby plain">,</code><code class="ruby constants">1</code>&nbsp;<code class="ruby plain">user, load average: </code><code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">00</code><code class="ruby plain">,</code><code class="ruby constants">0</code><code class="ruby plain">,</code><code class="ruby constants">00</code><code class="ruby plain">,</code><code class="ruby constants">0</code><code class="ruby plain">.</code><code class="ruby constants">00</code></div>  
<div class="line number13 index12 alt2"><code class="ruby plain">Tasks: </code><code class="ruby constants">1</code>&nbsp;<code class="ruby plain">total, </code><code class="ruby constants">0</code>&nbsp;<code class="ruby plain">running, </code><code class="ruby constants">1</code>&nbsp;<code class="ruby plain">sleeping, </code><code class="ruby constants">0</code>&nbsp;<code class="ruby plain">waiting, </code><code class="ruby constants">0</code>&nbsp;<code class="ruby plain">stopping, </code><code class="ruby constants">0</code>&nbsp;<code class="ruby plain">uninterruptible, </code><code class="ruby constants">0</code>&nbsp;<code class="ruby plain">total in state:</code></div>
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uby constants">0</code> &nbsp;<code class="ruby plain">stopped, </code> <code class="
uby constants">0</code> &nbsp;<code class="ruby plain">zombie</code> </div>
<div class="line number14 index13 alt1"> <code class="ruby plain">Cpu(s): </code> <code c
ass="ruby constants">0</code> <code class="ruby plain">.</code> <code class="ruby cons
ants">0</code> <code class="ruby plain">% us, </code> <code class="ruby constants">0</
ode> <code class="ruby plain">.</code> <code class="ruby constants">0</code> <code clas
="ruby plain">% sy, </code> <code class="ruby constants">0</code> <code class="ruby pla
n">.</code> <code class="ruby constants">0</code> <code class="ruby plain">% ni, </cod
> <code class="ruby constants">100</code> <code class="ruby plain">.</code> <code clas
="ruby constants">0</code> <code class="ruby plain">% id, </code> <code class="ruby con
tants">0</code> <code class="ruby plain">.</code> <code class="ruby constants">0</cod
> <code class="ruby plain">% wa, </code> <code class="ruby constants">0</code> <code c
ass="ruby plain">.</code> <code class="ruby constants">0</code> <code class="ruby plain
">% hi, </code> <code class="ruby constants">0</code> <code class="ruby plain">.</code
<code class="ruby constants">0</code> <code class="ruby plain">% si</code> </div>
<div class="line number15 index14 alt2"> <code class="ruby plain">Mem: 385676k total, 371
60k used, 13916k free, 131164k buffers</code> </div>
<div class="line number16 index15 alt1"> <code class="ruby plain">Swap: 1020116k total, 8
0k used, 1019236k free, 95772k cached</code> </div>
<div class="line number17 index16 alt2"> <code class="ruby plain">Renice </code> <code cl
ss="ruby constants">PID</code> &nbsp;<code class="ruby constants">10604</code> &nbsp;<code
class="ruby plain">to value: </code> <code class="ruby constants">10</code> </di
>
<div class="line number18 index17 alt1"> &nbsp;</div>
<div class="line number19 index18 alt2"> <code class="ruby constants">PID</code> &nbsp;<
code class="ruby constants">USER</code> &nbsp;<code class="ruby constants">PR</code>
&nbsp;<code class="ruby constants">NI</code> &nbsp;<code class="ruby constants">VIRT
</code> &nbsp;<code class="ruby constants">RES</code> &nbsp;<code class="ruby constant
">SHR</code> &nbsp;<code class="ruby constants">S</code> &nbsp;<code class="ruby pla
n">%</code> <code class="ruby constants">CPU</code> &nbsp;<code class="ruby plain">
</code> <code class="ruby constants">MEM</code> &nbsp;<code class="ruby constants">
IME</code> <code class="ruby plain">+ </code> <code class="ruby constants">COMMAN
</code> </div>
<div class="line number20 index19 alt1"> <code class="ruby constants">10604</code> &nb
p;<code class="ruby plain">root </code> <code class="ruby constants">30</code> &nbsp;<code
class="ruby constants">10</code> &nbsp;<code class="ruby constants">5396</code>
&nbsp;<code class="ruby constants">1544</code> &nbsp;<code class="ruby constants">12
4</code> &nbsp;<code class="ruby constants">S</code> &nbsp;<code class="ruby constan
s">0</code> <code class="ruby plain">.</code> <code class="ruby constants">0</code> &
nbsp;<code class="ruby constants">0</code> <code class="ruby plain">.</code> <code clas
="ruby constants">4</code> &nbsp;<code class="ruby constants">0</code> <code class="r
by plain">:</code> <code class="ruby constants">00</code> <code class="ruby plain">.</c
de> <code class="ruby constants">07</code> &nbsp;<code class="ruby plain">bash</code
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</div>
</div>
<p> &nbsp;</p>
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<div class="cnblogs_Highlighter">
<div id="highlighter_939749" class="syntaxhighlighter nogutter ruby">
<table>
<tbody>
<tr>
<td class="code">
<div class="container">
<div class="line number1 index0 alt2"><code class="ruby plain">top 也是个挺不错的程序观
工具! 但不同于 ps 是静态的结果输出, top 这个程序可以持续的监测 (monitor) 整个系统的程序工
状态, 例如上面的范例一所示啊! 在预设的情况下, 每次更新程序资源的时间为 </code><code cla
s="ruby constants">5</code>&nbsp;<code class="ruby plain">秒, 不过, 可以使用 -d 来进
修改。 top 主要分为两个画面, 上面的画面为整个系统的资源使用状态, 基本上总共有六行, 显示
内容依序是: </code></div>
<div class="line number2 index1 alt1"><code class="ruby plain">• 第一行: 显示系统已启动
时间、目前上线人数、系统整体的负载(load)。比较需要注意的是系统的负载, 三个数据分别代表 </
ode><code class="ruby constants">1</code><code class="ruby plain">, </code><code cla
s="ruby constants">5</code><code class="ruby plain">, </code><code class="ruby consta
ts">10</code>&nbsp;<code class="ruby plain">分钟的平均负载。一般来说, 这个负载值应该
太可能超过 </code><code class="ruby constants">1</code>&nbsp;<code class="ruby plain
">才对, 除非您的系统很忙碌。如果持续高于 </code><code class="ruby constants">5</code>
&nbsp;<code class="ruby plain">的话, 那么.....仔细的看看到底是那个程序在影响整体系统吧! </c
de></div>
<div class="line number3 index2 alt2"><code class="ruby plain">• 第二行: 显示的是目前的
察程序数量, 比较需要注意的是最后的 zombie 那个数值, 如果不是 </code><code class="ruby c
nstants">0</code>&nbsp;<code class="ruby plain">, 嘿嘿! 好好看看到底是那个 process 变
僵尸了吧? ! </code></div>
<div class="line number4 index3 alt1"><code class="ruby plain">• 第三行: 显示的是 </code>
<code class="ruby constants">CPU</code>&nbsp;<code class="ruby plain">的整体负载,
个项目可使用? 查阅。需要观察的是 id (idle) 的数值, 一般来说, 他应该要接近 </code><code cla
s="ruby constants">100</code><code class="ruby plain">% 才好, 表示系统很少资源被使用
! ^</code><code class="ruby constants">_</code><code class="ruby plain">^。</code>
</div>
<div class="line number5 index4 alt2"><code class="ruby plain">• 第四行与第五行: 表示目
的物理内存与虚拟内存 (Mem/Swap) 的使用情况。</code></div>
<div class="line number6 index5 alt1"><code class="ruby plain">• 第六行: 这个是当在 top
序当中输入指令时, 显示状态的地方。例如范例四就是一个简单的使用例子。</code></div>
<div class="line number7 index6 alt2"><code class="ruby plain">至于 top 底下的画面, 则是
个 process 使用的资源情况。比较需要注意的是: </code></div>
<div class="line number8 index7 alt1"><code class="ruby plain">• </code><code class="ru
y constants">PID</code>&nbsp;<code class="ruby plain">: 每个 process 的 </code><code
class="ruby constants">ID</code>&nbsp;<code class="ruby plain">啦! </code></div>
<div class="line number9 index8 alt2"><code class="ruby plain">• </code><code class="ru
y constants">USER</code><code class="ruby plain">: 该 process 所属的使用者; </code><
div>
<div class="line number10 index9 alt1"><code class="ruby plain">• </code><code class="r
by constants">PR</code>&nbsp;<code class="ruby plain">: Priority 的简写, 程序的优先执
顺序, 越小越早被执行; </code></div>
<div class="line number11 index10 alt2"><code class="ruby plain">• </code><code class="
uby constants">NI</code>&nbsp;<code class="ruby plain">: Nice 的简写, 与 Priority 有关
也是越小越早被执行; </code></div>
<div class="line number12 index11 alt1"><code class="ruby plain">• %</code><code class
"ruby constants">CPU</code><code class="ruby plain">: </code><code class="ruby const
nts">CPU</code>&nbsp;<code class="ruby plain">的使用率; </code></div>
<div class="line number13 index12 alt2"><code class="ruby plain">• %</code><code class
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"ruby constants">MEM</code><code class="ruby plain">: 内存的使用率; </code></div>
<div class="line number14 index13 alt1"><code class="ruby plain">• </code><code class="
uby constants">TIME</code><code class="ruby plain">+: </code><code class="ruby cons
ants">CPU</code>&nbsp;<code class="ruby plain">使用时间的累加; </code></div>
<div class="line number15 index14 alt2"><code class="ruby plain">一般来说, 如果鸟哥想要
出最损耗 </code><code class="ruby constants">CPU</code>&nbsp;<code class="ruby plain
">资源的那个程序时, 大多使用的就是 top 这支程序啦! 然后强制以 </code><code class="ruby c
nstants">CPU</code>&nbsp;<code class="ruby plain">使用资源来排序 (在 top 当中按下 </co
e><code class="ruby constants">P</code>&nbsp;<code class="ruby plain">即可), 就可以
快的知道啦! ^</code><code class="ruby constants">_</code><code class="ruby plain">
。多多爱用这个好用的东西喔! </code></div>
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</td>
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