Subject: Division by 0 in Thread::Priority
Posted by Zbych on Mon, 17 Aug 2015 06:16:17 GMT

If Priority function is executed with priority level above 125 (for example 150) there is division by 0.


```
bool Thread::Priority(int percent)
{

[...]

 if (pthread_setschedparam(handle, policy, &param)) {// if this function fails (user has no right to
set such high priority)
  policy = SCHED_OTHER;
  //max is changed from 175 to 125
  percent_max = 125;
  //min is still 125
  percent_min = minmax(percent_min, 0, percent_max);
  //and (percent_max - percent_min) is 0
  param.sched_priority = (sched_get_priority_max(policy) -
sched_get_priority_min(policy))*(minmax(percent, percent_min,
percent_max)-percent_min)/(percent_max - percent_min);
```