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

Subject: Re: Division by 0 in Thread::Priority
Posted by mirek on Wed, 19 Aug 2015 07:33:03 GMT
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For now, quick fix:

```
  param.sched_priority = (sched_get_priority_max(policy) - sched_get_priority_min(policy))
                         * (minmax(percent, percent_min, percent_max) - percent_min)
                         / max(percent_max - percent_min, 1);
```