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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);
```