This recommendation doesn't make sense from a couple of points of view:

```plaintext
### Summary for cwl-runner (su92l-8i9sb-ll9w11siojvlro6)

category metric task_max task_max_rate job_total

cpu cpus 1 - -

# Max CPU time spent by a single task: 1045.15s
# Max CPU usage in a single interval: 99.80%
# Overall CPU usage: 18.81%
#!! cwl-runner su92l-8i9sb-ll9w11siojvlro6

max CPU usage was 100% -- try runtime_constraints *min_cores_per_node*:1
```

It shouldn't recommend a "change" to the same value as is current and it shouldn't recommend a change for max cpu < 100%
machine (which seems like the right default), but crunchstat-summary contains this code:

```python
used_cores = max(1, int(math.ceil(cpu_max_rate)))
asked_cores = self.existing_constraints.get(constraint_key)
if asked_cores is None or used_cores < asked_cores:
yield ('#!! {} max CPU usage was {}% -- ' 'try runtime_constraints "{}":{}')
```

I think perhaps `asked_cores` should have a default value of 1 if it isn't specified.

#3 - 03/13/2019 03:47 PM - Tom Morris
- Target version changed from Arvados Future Sprints to 2019-03-27 Sprint

#4 - 03/13/2019 03:48 PM - Tom Morris
- Assigned To set to Tom Morris

#5 - 03/15/2019 04:43 AM - Tom Morris
- Status changed from New to In Progress

#6 - 03/21/2019 08:16 PM - Tom Morris
- Status changed from In Progress to Resolved
- % Done changed from 0 to 100

Applied in changeset arvadosid23f9c8a99742f116983c6644f25d7ddacfee4e.

#7 - 05/21/2019 10:27 PM - Tom Morris
- Release set to 15