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Error Dictionary changed size during iteration.

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nobrumski

Newbie

Posts: 19

Joined: May 14th, 2010, 9:07 pm

Error Dictionary changed size during iteration.



by nobrumski » March 23rd, 2016, 11:34 pm

Latest release, v1.0.0 running on Win10 - 64. Not sure what happened. I just happened to open the webui and saw the error.

ERROR DURING SCHEDULER EXECUTION dictionary changed size during iteration
Traceback (most recent call last):

```
File "sabnzbd\utils\kronos.pyo", line 305, in __call__
File "sabnzbd\utils\kronos.pyo", line 399, in execute
File "sabnzbd\bpsmeter.pyo", line 461, in midnight_action
File "sabnzbd\bpsmeter.pyo", line 449, in midnight
RuntimeError: dictionary changed size during iteration
```

**sander**

Release Testers

Posts: 9402

Joined: January 22nd, 2008, 2:22 pm

Re: Error Dictionary changed size during iteration.



by sander » March 24th, 2016, 3:15 am

What happens afterwards? Does SAB continue, or does SAB crash & stop?

The relevant code is:

CODE: SELECT ALL

```
def midnight(self):
    """ Midnight action: dummy update for all servers """
    for server in self.day_total:
        self.update(server)
```

The error comes from this line

CODE: SELECT ALL

```
for server in self.day_total:
```

I think that the for loop starts, and then some other process changes the dictionary length, and the for loop has a problem. If so, this is a race condition.

The error message is reproducible with

CODE: SELECT ALL

```
d = {'a': [1], 'b': [1], 'c': [3], 'd':[3333]}\nfor i in d:\n    print i\n    d.pop(i)
```

CODE: SELECT ALL

Traceback (most recent call last):
File "python-dictionary-spelen.py", line 9, in <module>
 for i in d:
RuntimeError: dictionary changed size during iteration

**shypike**

Administrator

Posts: 19774

Joined: January 18th, 2008, 12:49 pm

nobrumski

Newbie

Posts: 19

Joined: May 14th, 2010, 9:07 pm

**shypike**

Administrator

Posts: 19774

Joined: January 18th, 2008, 12:49 pm

Re: Error Dictionary changed size during iteration. by **shypike** » March 24th, 2016, 6:34 am

Could be that servers are switched on or off during a bps cycle.
I'll have a closer look at this.
It must be a very rare error; the code has been like this for many years.

Re: Error Dictionary changed size during iteration. by **nobrumski** » March 24th, 2016, 7:55 am

It didn't seem to affect SABnzbd at all and it has kept working.

Re: Error Dictionary changed size during iteration. by **shypike** » March 24th, 2016, 8:44 am

It may have caused a crash of the BPS-meter which may have
(at least temporarily) disturbed the speedometer and the download statistics.
Nothing grave, but it should be fixed anyway.

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