

## Klever - Bug #9151

### Bridge starts job even if job.json or tasks.json is invalid

07/23/2018 12:26 PM - Ilja Zakharov

<b>Status:</b>	Closed	<b>Start date:</b>	07/23/2018
<b>Priority:</b>	Urgent	<b>Due date:</b>	
<b>Assignee:</b>	Vladimir Gratinskiy	<b>% Done:</b>	0%
<b>Category:</b>	Bridge	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.0	<b>Published in build:</b>	
<b>Detected in build:</b>	svn		
<b>Platform:</b>			
<b>Description</b>			
If job.json/tasks.json cannot be parsed Bridge anyway sets job status as pending and sends it to the scheduler. Then either the scheduler fails because it can not get task resource limitations or Core fails at parsing the job description.			
The solution should be that Bridge forbids solving job if its job.json/tasks.json cannot be parsed.			
<b>Related issues:</b>			
Related to Klever - Feature #8937: Highlight JSON files syntax and check its ...		<b>Closed</b>	<b>06/09/2018</b>
Related to Klever - Bug #9289: Native Scheduler does not properly handle erro...		<b>Closed</b>	<b>09/28/2018</b>

### History

#### #1 - 08/17/2018 04:59 PM - Evgeny Novikov

- Related to Feature #8937: Highlight JSON files syntax and check its correctness in the online editor added

#### #2 - 09/18/2018 11:27 AM - Vladimir Gratinskiy

- Status changed from New to Resolved

Fixed in bridge-2.0

#### #3 - 09/28/2018 12:12 PM - Evgeny Novikov

- Status changed from Resolved to Open

- Description updated

- Subject changed from Bridge starts job even if tasks.json is invalid to Bridge starts job even if job.json or tasks.json is invalid

Although, thanks to [#8937](#) I can not break JSON files through editing them, I can replace JSON files with ones having an invalid format. Then Bridge allows to decide corresponding jobs with raising the following exception:

```
Expecting property name enclosed in double quotes: line 8 column 1 (char 152)
Traceback (most recent call last):
  File "/home/novikov/work/klever/bridge/service/utils.py", line 544, in __get_tasks_limits
    return json.load(fp)
  File "/usr/lib64/python3.6/json/__init__.py", line 299, in load
    parse_constant=parse_constant, object_pairs_hook=object_pairs_hook, **kw)
  File "/usr/lib64/python3.6/json/__init__.py", line 354, in loads
    return _default_decoder.decode(s)
  File "/usr/lib64/python3.6/json/decoder.py", line 339, in decode
    obj, end = self.raw_decode(s, idx=_w(s, 0).end())
  File "/usr/lib64/python3.6/json/decoder.py", line 355, in raw_decode
    obj, end = self.scan_once(s, idx)
json.decoder.JSONDecodeError: Expecting property name enclosed in double quotes: line 8 column 1 (char 152)
```

After all schedulers fail as expected.

BTW, there are many various files in jobs. But just 2 of them are vital, *job.json* and *tasks.json*. So, I extended the issue from *tasks.json* to *job.json* as well.

**#4 - 09/28/2018 12:18 PM - Evgeny Novikov**

- Related to Bug #9289: Native Scheduler does not properly handle errors with *tasks.json* added

**#5 - 09/28/2018 02:29 PM - Vladimir Gratinskiy**

- Status changed from Open to Resolved

Fixed in bridge-2.0 for all \*.json files.

**#6 - 10/03/2018 06:21 PM - Evgeny Novikov**

- Status changed from Resolved to Open

Please, make following changes in branch *bridge-2.0-master!*

I revealed that Python 3.5 can't handle in *jobs.jobForm.UploadFilesTree#\_\_check\_jsons*:

```
with f.file.file as fp:
    try:
        json.load(fp)
```

There is such the error: "the JSON object must be str, not 'bytes'".

Can you fix that?

**#7 - 10/04/2018 10:24 AM - Vladimir Gratinskiy**

- Status changed from Open to Resolved

Evgeny Novikov wrote:

Can you fix that?

Fixed.

**#8 - 10/04/2018 10:49 AM - Evgeny Novikov**

Thank you! I renamed the branch back to *bridge-2.0* while former *bridge-2.0* to *bridge-2.0-with-klever-2.0*. At the moment *bridge-2.0* undergoes testing. In case of success I will be able to merge it directly to master unless *klever-2.0* and *bridge-2.0-with-klever-2.0* that aren't completed still and introduces numerous changes in testing/validation jobs and marks.

**#9 - 10/04/2018 04:20 PM - Evgeny Novikov**

- *Status changed from Resolved to Closed*

Tests passed, so, I merged the branch to master in [b8bda00ac](#).