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Python dump dict to json file

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asked **10 months ago**
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I got a dict like this:

2

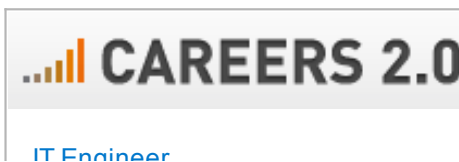


```
sample = {'ObjectInterpolator': 1629, 'PointInterpolator': 1675,  
'RectangleInterpolator': 2042}
```



I just can't figure out how to dump it to a `json` file as showed below from the above dict. Is there a pythonic way to do this? You may guess that I want to generate a `d3` treemap.

```
{  
  "name": "interpolator",  
  "children": [  
    {"name": "ObjectInterpolator", "size": 1629},  
    {"name": "PointInterpolator", "size": 1675},  
    {"name": "RectangleInterpolator", "size": 2042}  
  ]  
}
```



IT Engineer

python json dictionary d3.js treemap

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edited Jun 12 '13 at 8:08

asked Jun 11 '13 at 12:15



holys

449 ● 6 ● 15

I assume that should be `"name": "interpolator"` as otherwise I don't think it's valid JSON. – mgilson Jun 11 '13 at 12:20

@mgilson Yes, you are right. My typo. – holys Jun 11 '13 at 12:36

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3 Answers

active

oldest

votes

6

```
d = {"name": "interpolator",
     "children": [{ 'name': key, "size": value } for key, value in sample.items() ]}
json_string = json.dumps(d)
```

Of course, it's unlikely that the order will be exactly preserved ... But that's just the nature of dictionaries ...

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answered Jun 11 '13 at 12:18



mgilson

85.5k ● 8 ● 105 ● 176

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This should give you a start

```
>>> import json
>>> print json.dumps([{'name': k, 'size': v} for k,v in sample.items()], indent=4)
```

IT Engineer

Fog Creek Software

New York, NY / relocation

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Software Engineer, Windows Applications/.NET

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```
[
  {
    "name": "PointInterpolator",
    "size": 1675
  },
  {
    "name": "ObjectInterpolator",
    "size": 1629
  },
  {
    "name": "RectangleInterpolator",
    "size": 2042
  }
]
```

share | improve this answer

answered Jun 11 '13 at 12:17



[gribbler](#)
98.8k ● 6 ● 107 ● 234

add comment



Combine the answer of @mgilson and @gribbler, I found what I need was this:

```
d = {"name": "interpolator",
     "children": [{ 'name': key, "size": value } for key, value in sample.items() ]}
j = json.dumps(d, indent=4)
f = open('sample.json', 'w')
print >> f, j
f.close()
```

It this way, I got a pretty-print json file. The tricks `print >> f, j` is found from here:

<http://www.anthonidebarros.com/2012/03/11/generate-json-from-sql-using-python/>

share | improve this answer

edited Jun 12 '13 at 8:28

answered Jun 12 '13 at 8:17



[holys](#)
449 ● 6 ● 15

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