Calamari - Bug #13648

rest-api: api/v1/space returned a history value, not the latest value in the whisper file

10/30/2015 02:00 AM - huangzhongmei huang

Status:	New	**% Done:**	0%
Priority:	High	**Spent time:**	0.00 hour
Assignee:			
Category:			
Target version:			
Source:	other	**Reviewed:**	
Tags:		**Affected Versions:**	
Backport:		**ceph-qa-suite:**	
Regression:	No	**Crash signature (v1):**	
Severity:	3 - minor	**Crash signature (v2):**	

Description

the value returned by /api/v1/space is not the first valid value returned by the url:
/graphite/render/?format=json-array&target=ceph.cluster.fsid.df.total_avail_bytes&target=ceph.cluster.fsid.df.total_used_bytes&from=-1d (graphite render view.py),
but a history value of the graphite renderview

I checked the whisper files, and find the graphite renderView's return is the same as the whisper files, but the /api/v1/space'return is not the lastest valid point in this file.

The graphite renderView will take acount of django timezone in parseOptions, but _get_latest_graphite function which called by Space takes
UTC as default timezone value:

def _get_latest_graphite(metric):
"""
Get the latest value of a named graphite metric
"""

```
tzinfo = pytz.timezone("UTC")
    until_time = parseATTime('now', tzinfo)
```

So when the django timezone (eg. America/Chicago) is later than than the UTC, the /api/v1/space will return the first valid date in the whisper file;
but when the django timezone (eg. Asia/Shanghai) is earlier than the UTC, the /api/v1/space will return a history data in the whisper file.