

Neo4j说明文档

Neo4jServiceImpl

```
1 public KGResult addNews(Long id)
```

分析某篇新闻的实体及关系，添加进neo4j数据库

```
1 public List<NewsEntity> findKGBByNewsId(Long newsId)
```

- 根据newsId，给出该篇新闻的实体及关系（知识图谱）
- findKGBByNewsId 返回结果：

```
1 {
2     "code": "2000",
3     "message": "成功",
4     "result": [
5         {
6             "id": 0,
7             "value": "金融服务部 (New York Department of Financial Services,
            NYDFS) ",
8             "type": "组织",
9             "newsId": 2,
10            "relationList": [
11                {
12                    "id": 1,
13                    "newsEntity": {
14                        "id": 16,
15                        "value": "纽约州",
16                        "type": "地点",
17                        "newsId": 2,
18                        "relationList": []
19                    },
20                    "relationName": "属于"
21                }
22            ]
23        }
24    ]
25 }
```

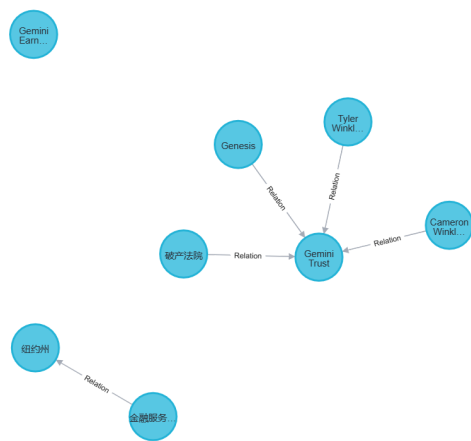
```

23     },
24     {
25         "id": 1,
26         "value": "Gemini Trust",
27         "type": "组织",
28         "newsId": 2,
29         "relationList": []
30     },.....

```

解释：

- relationList表示该节点指向的n个节点，即关系列表。
- relationName表示某关系的关系名，可用于前端可视化显示。
- neo4j显示newsId为2的新闻的知识图谱



```

P
[(:NewEntity {newsId: 2,type: "组织",value: "金融服务部 (New York Department of Financial Service|
s, NYDFS)"})-[:Relation {relationName: "属于"}->(:NewEntity {newsId: 2,type: "地点",value: "纽
约州"})]
[(:NewEntity {newsId: 2,type: "人物",value: "Cameron Winklevoss"})-[:Relation {relationName:
: "创始人"}->(:NewEntity {newsId: 2,type: "组织",value: "Gemini Trust"})]
[(:NewEntity {newsId: 2,type: "人物",value: "Tyler Winklevoss"})-[:Relation {relationName:
: "创始人"}->(:NewEntity {newsId: 2,type: "组织",value: "Gemini Trust"})]
[(:NewEntity {newsId: 2,type: "地点",value: "Genesis"})-[:Relation {relationName: "向其支付"}->
(:NewEntity {newsId: 2,type: "组织",value: "Gemini Trust"})]
[(:NewEntity {newsId: 2,type: "地点",value: "破产法院"})-[:Relation {relationName: "在推特上表示"}->
(:NewEntity {newsId: 2,type: "组织",value: "Gemini Trust"})]

```

后续有新method再补充

Neo4j及数据库安装

我是参考的这个b站视频，只需要安装Neo4j Server即可，

[https://www.bilibili.com/video/BV1MR4y1L7zG/?](https://www.bilibili.com/video/BV1MR4y1L7zG/?spm_id_from=333.1007.top_right_bar_window_default_collection.content.click&vd_source=77d3f8a6d39c17e51c020a4504bf7545)

[spm_id_from=333.1007.top_right_bar_window_default_collection.content.click&vd_source=77d3f8a6d39c17e51c020a4504bf7545](https://www.bilibili.com/video/BV1MR4y1L7zG/?spm_id_from=333.1007.top_right_bar_window_default_collection.content.click&vd_source=77d3f8a6d39c17e51c020a4504bf7545)

Neo4j Desktop可不装