

知 U-Center 2.0监控列表中缺少服务器、存储等APM相关菜单排查思路

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组网及说明

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问题描述

U-Center 2.0监控列表中缺少服务器、存储等APM相关菜单

过程分析

1、检查itom-apm-rs服务是否正常运行，pod为running状态。

```
itom-apm-cp-server-684bd8c6d-4jdsb      1/1      Running   0          47h
itom-apm-cp-server-684bd8c6d-fmj0q     1/1      Running   0          47h
itom-apm-cp-server-684bd8c6d-gncgz     1/1      Running   0          47h
itom-apm-receiver-86d97876c5-1kk8d    1/1      Running   1          2d17h
itom-apm-rs-7477b94564-tf5zq          1/1      Running   0          47h
itom-apm-server-01717d6175-4b6qb      1/1      Running   0          47h
itom-apm-server-6f7f7d6f75-7hpmr      1/1      Running   0          47h
itom-apm-server-6f7f7d6f75-hbnc5      1/1      Running   0          47h
itom-apm-server-6f7f7d6f75-lkxpb      1/1      Running   0          47h
```

- 2、检查licensers服务接口数据是否正常。
- 3、访问该服务的swagger页面，如/licenses/swagger-ui.html
- 4、执行/license/all接口查询，检查是否可以查到如下两个License信息（注意：最多多执行几次）

```
{
  "componentName": "iMC-UCENTER2",
  "maxCount": 0,
  "editionType": "STANDARD",
  "maxCountStr": "licenseCount.iMC-UCENTER2"
}
{
  "componentName": "iMC-APME",
  "maxCount": 1000,
  "editionType": "STANDARD",
  "maxCountStr": "licenseCount.iMC-APME"
}
```

Execute Clear

Responses Response content type application/json

curl -X GET "https://10.212.181.185/licenses/license/all" -H "accept: application/json"

Request URL
https://10.212.181.185/licenses/license/all

Server response

Code	Details
200	<pre>{ "componentName": "iMC-BSM", "maxCount": 10, "editionType": "STANDARD", "maxCountStr": "licenseCount.iMC-BSM" }, "componentName": "iMC-UCENTER2", "maxCount": 0, "editionType": "STANDARD", "maxCountStr": "licenseCount.iMC-UCENTER2" }</pre>

5、检查license server服务管理页面中，客户端连接是否正常，注册的License是否包含平台授权、IO M授权以及IOM数量License

6、检查k-permission-api服务日志，关键字：license valid和license invalid

```
[root@master1 opt]# kubectl exec -t k-permission-api-7b6995f9dc-vpwj8 sh
defaulting container name to k-permission-api.
Use 'kubectl describe pod/k-permission-api-7b6995f9dc-vpwj8 -n service-software' to see all of the containers in this pod.
/opt # cd ./iMCPermissionAPI/log/
/opt/iMCPermissionAPI/log # ll
sh: ll: not found
/opt/iMCPermissionAPI/log # ls
mcforeground.plat.2020-10-27.log
```

解决方法

- 1、若itom-apm-rs服务未启动则启动itom-apm-rs服务。
- 2、若licensers服务接口无法查到相关License信息，且License server中已注册。则登录License server管理页面，强制下线所有客户端连接，重启licensers服务
- 3、以上操作License同步需要一定时间，请耐心等待5到10分钟，再刷新页面检查有无菜单

