Redis 服务连接中断

客户反馈信息：

今天凌晨（2021-08-26）redis有什么操作么，我们这边5点40左右有连不上的现象，看监控运行时间重置了，redis实例10.75.43.235

logging错误信息：

Redis Instance 运行信息：

实例维护窗口：

case Support:

```
MemStore -redis disconnect
Man CHEN
chenman@yunion-hk.com
August 26, 2021 at 1:16:00 PM GMT+8
Please Provide the following information for troubleshooting:
```

- Project ID(s):p-sgx9cobj

- What is the business impact you are facing?
- Resource Type: Memstore
- Resource ID: cocome-counter-redis
- Start and End time (including timezone)
start time: 2021-08-25T21:41:11Z

- Details of any failed request(s) (e.g. URL or API method, date and time, input
parameters, response code, error message, screenshots)

The detailed record is as follows:[1]
- Any other relevant details about your implementation or issue?

1. On 2021-08-25T21:41:11Z, we cannot connect to the Redis service. What is the cause?
2. It was found in the record that "1:S 25 Aug 2021 21:41:11.274 # Server initialized ".
What is the root cause of Server initialized?
Now we can connect to Redis normally,
Looking forward to your reply.

[1] ***********************************
```
{
  "insertId": "5ca691bfe313f6019424e30f875ccc60-1@a5",
  "jsonPayload": {
    "redis_version": "REDIS_5_0",
    "stream": "stdout",
    "node_id": "node-0",
    "message": "1:S 25 Aug 2021 21:41:11.274 # Server initialized\n",
    "log": "1:S 25 Aug 2021 21:41:11.274 # Server initialized\n"
  },
  "resource": {
    "type": "redis_instance",
    "labels": {
      "instance_id": "cocome-counter-redis",
      "region": "asia-northeast1",
      "project_id": "p-sgx9cobj",
      "node_id": "node-0"
    }
  },
  "timestamp": "2021-08-25T21:41:11Z",
  "logName": "projects/p-sgx9cobj/logs/redis.googleapis.com%2Fredis",
  "receiveTimestamp": "2021-08-25T21:41:20.381434681Z"
}
```
****

Mengqi Li
Google Support
August 26, 2021 at 3:07:59 PM GMT+8
Hello Man Chen,

Thanks **for** contacting Google Cloud Platform Support.

I understand your redis instance "cocome-counter-redis" was restarted and you would like to know the root cause.

By checking your instance via our internal tools, I can see there was a version update rollout on your instance during the incident. This is a disruptive update which required instance restart. This is mentioned **in** our public document [1] here:

"""
Memorystore for Redis instances undergo two kinds of maintenance updates: disruptive updates and non-disruptive updates. Disruptive updates occur periodically, and require the instance to restart. Memorystore for Redis instances get non-disruptive maintenance updates more frequently in the background.
"""

After inspecting the instance, I can see you set maintenance window as "Updates may occur any day of the week."
Please note that Memorystore **for** Redis now supports setting maintenance window.
In order to avoid this kind of issue, please set maintenance window to the time/date when your workload is low.
Also you can enable the maintenance notification to check the upcoming updates.
For your reference, you can follow document [2] to set a maintenance window and enable maintenance notification.

Hope these information helps.

Best regards,
Chris
Google Cloud Platform Support, Tokyo
[1] https://cloud.google.com/memorystore/docs/redis/maintenance-policy
[2]
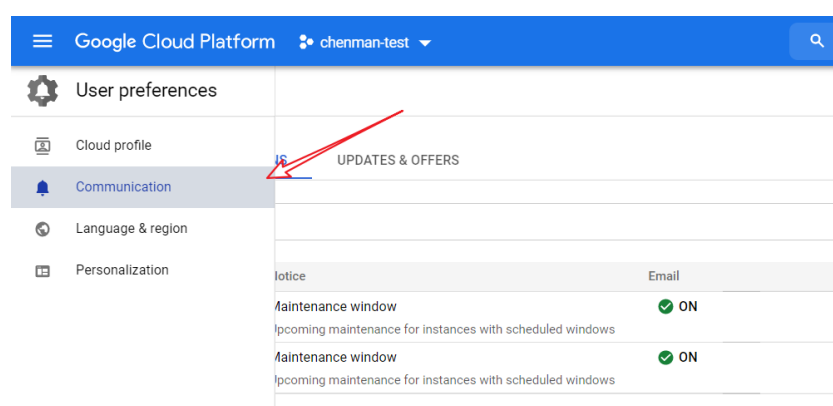https://cloud.google.com/memorystore/docs/redis/maintenance-policy*#maintenance_notifications*

Redis维护建议：

1、启用Redis 维护通知.如果您开启维护通知，则系统会在安排的维护前至少七天向您的电子邮件地址发送通知。如果您要为通知设置电子邮件过滤条件，则电子邮件标题为"Upcoming maintenance for your Cloud Memorystore instance [your-instance-name]"。
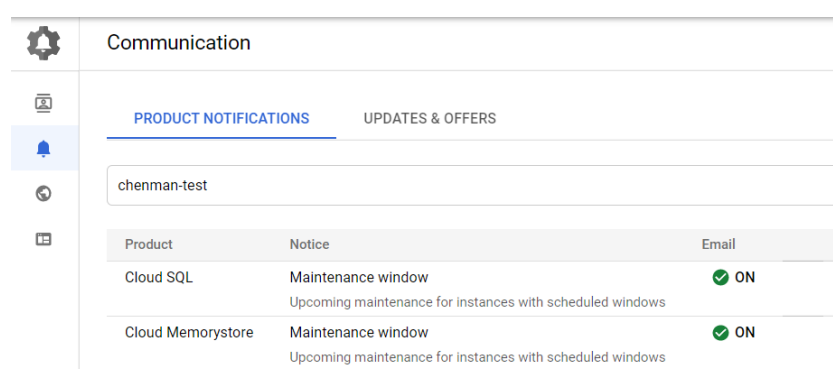
1.1 开启维护通知方式，在console中，如下所示：
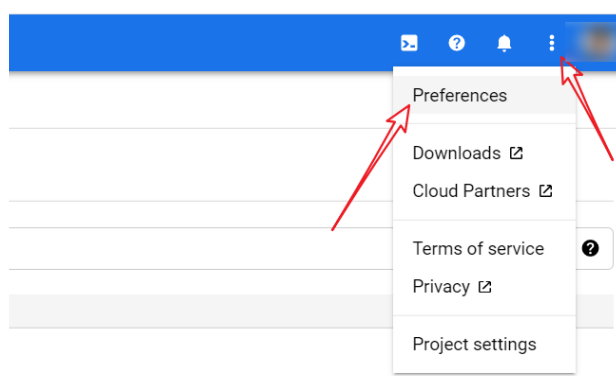
1.2 点击【产品通知】，可以在下拉了表中针对不同项目设置。
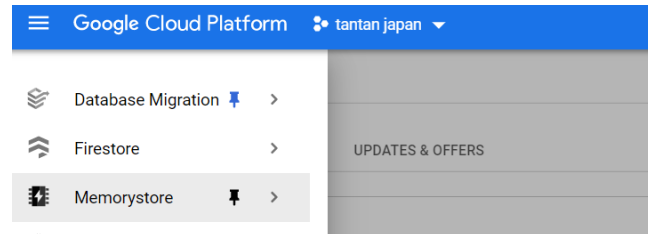

1.3 在 Memorystore 对应的行中，将电子邮件按钮切换为开启。

维护通知电子邮件会使用标题 "Upcoming maintenance for your Cloud Memorystore instance [your-instance-name]"。需要接收通知的每个电子邮件地址都必须单独选择启用。

维护通知是在项目级（而不是在实例上）设置的。 电子邮件通知会发送到与您的 Google 帐号关联的电子邮件地址。您不能配置自定义电子邮件别名（例如团队电子邮件别名）。
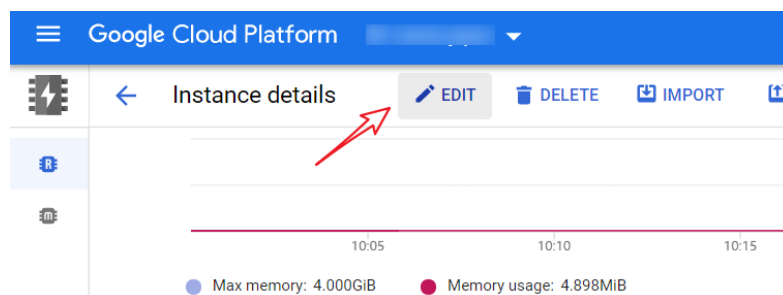
2、指定非业务高峰期的Redis 服务维护窗口

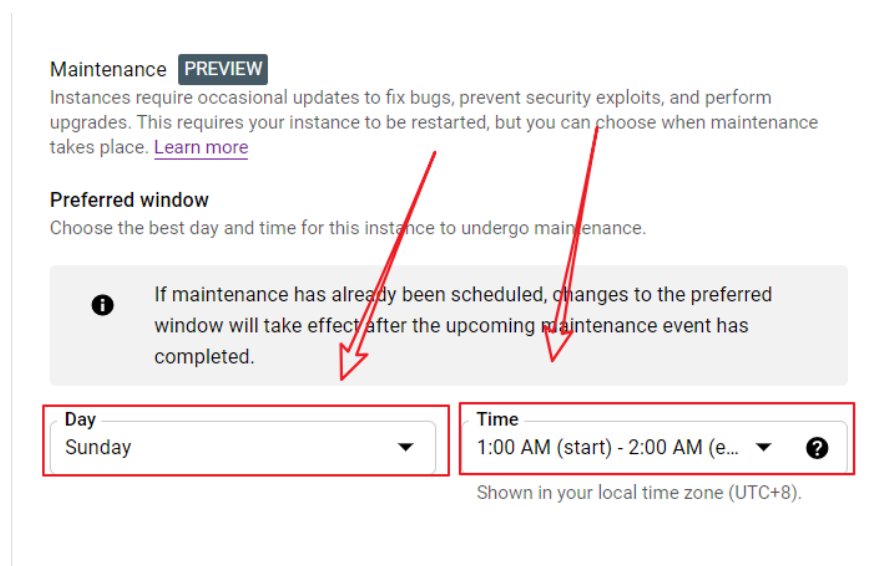2.1 转到 Google Cloud Console 中的 Memorystore forRedis：
[Redis_Console](#)

2.2 点击需要设置维护窗口的Redis 实例 ID,并点击【Edit】：

2.3在维护字段下 ,选择维护窗口所需的日期和时间。时间是按您的本地时区设置的。

2.4 保存修改

3. Redis服务的两种Tier

basic vs standard

Standard相当于HA的版本，在做upscale和maintain的时候不会flush数据，只会rolling update+reset connection，建议在生产环境使用

https://cloud.google.com/memorystore/docs/redis/redis-tiers

Specifications	Basic Tier	Standard Tier
Description	Provides a cache with no replication	Provides redundancy and availability using replication
Max instance size	300 GB	300 GB
Max network bandwidth	12 Gbps	12 Gbps
Stackdriver Monitoring	Yes	Yes
Scale memory[1]	Yes	Yes
Cross-zone replication	No	Yes
Automatic Failover	No	Yes

[1] Basic Tier instances experience a downtime and a full cache flush during scaling up or down. Standard Tier instances experience minimal downtime and loss of some unreplicated data during the scaling operation. For more information, see Scaling Behavior.

[2] During maintenance, Basic Tier instances undergo a full cache flush and Standard Tier instances undergo a failover. For more information see Maintenance policy.

3、监控Redis ：
详见 :Monitoring Redis instances | Memorystore for Redis
参考：
[1] 开启维护通知
[2] 设置维护窗口