

为什么遍历的云资源常常为空？

一、前言

最近在对阿里云密钥利用（之前自己开发腾讯云密钥利用工具，但是没开发阿里云云密钥利用），寻找了一些云密钥利用工具，发现自己遍历的资源总是为空。

```
1 ./cf alibaba ecs ls
```

```
[2024-10-12 15:23:45] ERROR 最新版本获取失败，请检查网络情况 (Failed to get the latest version, Please check the network connection.)
[2024-10-12 15:23:45] INFO 正在 cn-qingdao 区域中查找实例 (Looking for instances in the cn-qingdao region)
[2024-10-12 15:23:49] INFO 正在 cn-beijing 区域中查找实例 (Looking for instances in the cn-beijing region)
[2024-10-12 15:23:49] INFO 正在 cn-zhangjiakou 区域中查找实例 (Looking for instances in the cn-zhangjiakou region)
[2024-10-12 15:23:50] INFO 正在 cn-huhehaote 区域中查找实例 (Looking for instances in the cn-huhehaote region)
[2024-10-12 15:23:50] INFO 正在 cn-wulanchabu 区域中查找实例 (Looking for instances in the cn-wulanchabu region)
[2024-10-12 15:23:50] INFO 正在 cn-hangzhou 区域中查找实例 (Looking for instances in the cn-hangzhou region)
[2024-10-12 15:23:50] INFO 正在 cn-shanghai 区域中查找实例 (Looking for instances in the cn-shanghai region)
[2024-10-12 15:23:50] INFO 正在 cn-nanjing 区域中查找实例 (Looking for instances in the cn-nanjing region)
[2024-10-12 15:23:51] INFO 正在 cn-shenzhen 区域中查找实例 (Looking for instances in the cn-shenzhen region)
[2024-10-12 15:23:51] INFO 正在 cn-heyuan 区域中查找实例 (Looking for instances in the cn-heyuan region)
[2024-10-12 15:23:51] INFO 正在 cn-guangzhou 区域中查找实例 (Looking for instances in the cn-guangzhou region)
[2024-10-12 15:23:51] INFO 正在 cn-fuzhou 区域中查找实例 (Looking for instances in the cn-fuzhou region)
[2024-10-12 15:23:51] INFO 正在 cn-wuhan-lr 区域中查找实例 (Looking for instances in the cn-wuhan-lr region)
[2024-10-12 15:23:52] INFO 正在 cn-chengdu 区域中查找实例 (Looking for instances in the cn-chengdu region)
[2024-10-12 15:23:52] INFO 正在 cn-hongkong 区域中查找实例 (Looking for instances in the cn-hongkong region)
[2024-10-12 15:23:52] INFO 正在 ap-northeast-1 区域中查找实例 (Looking for instances in the ap-northeast-1 region)
[2024-10-12 15:23:52] INFO 正在 ap-northeast-2 区域中查找实例 (Looking for instances in the ap-northeast-2 region)
[2024-10-12 15:23:53] INFO 正在 ap-southeast-1 区域中查找实例 (Looking for instances in the ap-southeast-1 region)
[2024-10-12 15:23:53] INFO 正在 ap-southeast-2 区域中查找实例 (Looking for instances in the ap-southeast-2 region)
[2024-10-12 15:23:54] INFO 正在 ap-southeast-3 区域中查找实例 (Looking for instances in the ap-southeast-3 region)
[2024-10-12 15:23:55] INFO 正在 ap-southeast-6 区域中查找实例 (Looking for instances in the ap-southeast-6 region)
[2024-10-12 15:23:55] INFO 正在 ap-southeast-5 区域中查找实例 (Looking for instances in the ap-southeast-5 region)
[2024-10-12 15:23:56] INFO 正在 ap-southeast-7 区域中查找实例 (Looking for instances in the ap-southeast-7 region)
[2024-10-12 15:23:56] INFO 正在 us-east-1 区域中查找实例 (Looking for instances in the us-east-1 region)
[2024-10-12 15:23:58] INFO 正在 us-west-1 区域中查找实例 (Looking for instances in the us-west-1 region)
[2024-10-12 15:23:59] INFO 正在 eu-west-1 区域中查找实例 (Looking for instances in the eu-west-1 region)
[2024-10-12 15:24:00] INFO 正在 me-east-1 区域中查找实例 (Looking for instances in the me-east-1 region)
[2024-10-12 15:24:00] INFO 正在 eu-central-1 区域中查找实例 (Looking for instances in the eu-central-1 region)
[2024-10-12 15:24:01] INFO 未发现 ECS 资源，可能是因为当前访问密钥权限不够 (No ECS instances found, Probably because the current Access Key do not have enough permission)
```

于是看看cf的代码

 cf-0.5.0源代码.zip

0.2MB

预览

cf-0.5.0/pkg/cloud/alibaba/aliecs/ecsLs.go

```
55 func DescribeInstances(region string, running bool, SpecifiedInstanceId string, NextToken string) ([]Instances { 3 usages
56     var response *ecs.DescribeInstancesResponse
57     request := ecs.CreateDescribeInstancesRequest()
58     request.PageSize = requests.NewInteger(100)
59     if NextToken != "" {
60         request.NextToken = NextToken
61     }
62     request.Scheme = "https"
63     if running == true {
64         request.Status = "Running"
65     }
66     if SpecifiedInstanceId != "all" {
67         request.InstanceIds = fmt.Sprintf(format: "[%s]", SpecifiedInstanceId)
68     }
69     log.Infor(format: "正在 %s 区域中查找实例 (Looking for instances in the %s region)", region, region)
70     response, err := ECSClient(region).DescribeInstances(request)
71     errutil.HandleErr(err)
72     InstancesList := response.Instances.Instance
```

并没有指定资源组。

二、如何解决？

我们首先需要先遍历资源，然后指定资源组进行遍历。

```
1 aliyun resourcemanager ListResourceGroups --region cn-hangzhou
```

```
2 aliyun ecs DescribeInstances --region cn-hangzhou --ResourceGroupId rg-xxxxxxxxxxx
```

```
1:~/ptest# aliyun ecs DescribeInstances --region cn-hangzhou --ResourceGroupId rg-xxxxxxxxxxx
{
  "Instances": {
    "Instance": [
      {
        "AutoReleaseTime": "",
        "ClusterId": "",
        "Cpu": 1,
        "CpuOptions": {
          "CoreCount": 1,
          "Numa": "",
          "ThreadsPerCore": 1
        },
        "CreationTime": "2024-08-12T09:36Z",
        "CreditSpecification": "Standard",
        "DedicatedHostAttribute": {
          "DedicatedHostClusterId": "",
          "DedicatedHostId": "",
          "DedicatedHostName": ""
        },
      },
    ],
  },
}
```

```
1:~/ptest# aliyun resourcemanager ListResourceGroups --region cn-hangzhou
{
  "PageNumber": 1,
  "PageSize": 10,
  "RequestId": "72416568-6082-512B-866B-76BE0B115723",
  "ResourceGroups": {
    "ResourceGroup": [
      {
        "AccountId": "12345678901234567890",
        "CreateDate": "2022-09-20T20:04:32+08:00",
        "DisplayName": "default resource group",
        "Id": "rg-a1b2c3d4e5f6g7h8i9j0",
        "Name": "default",
        "Status": "OK",
        "Tags": {
          "Tag": []
        },
      },
    ],
  },
}
```

成功遍历到资源。