

K3s issue when trying to access cluster from another machine

problem:

one day you don't know why the hell is going on with kubectl on your machine and you've already copied `remote_machine:./kube/config` into your local machine and that worked before but now it keep telling wrong api group list or authorized.

`kubectl get ns`

```
E0108 21:42:56.860495 805013 memcache.go:265] couldn't get current server API group list: the server has asked for the client to provide credentials
E0108 21:42:56.862131 805013 memcache.go:265] couldn't get current server API group list: the server has asked for the client to provide credentials
E0108 21:42:56.863214 805013 memcache.go:265] couldn't get current server API group list: the server has asked for the client to provide credentials
E0108 21:42:56.864421 805013 memcache.go:265] couldn't get current server API group list: the server has asked for the client to provide credentials
E0108 21:42:56.865299 805013 memcache.go:265] couldn't get current server API group list: the server has asked for the client to provide credentials
error: You must be logged in to the server (the server has asked for the client to provide credentials)
```

or when you access to the api:

```
{
  "kind": "Status",
  "apiVersion": "v1",
  "metadata": {},
  "status": "Failure",
  "message": "Unauthorized",
  "reason": "Unauthorized",
  "code": 401
}
```

```
}
```

solution:

use the value config from the path into your ~/.kube/config

SSH to your k3s primary server

look for this file

```
/etc/rancher/k3s/k3s.yaml
```

view it using `cat /etc/rancher/k3s/k3s.yaml`

use the value certification inside the file that includes:

```
certificate-authority-data: LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tC.....  
client-certificate-data: LS0tLS1CRUdJTiBDRVJUSUZJQ0....  
client-key-data: MgUFJJVkFURSBLRVktLS0t.....
```

Open your local machine ~/.kube/config and replace them

here is my complete .kube/config file content:

```
apiVersion: v1  
clusters:  
- cluster:  
  certificate-authority-data:  
LS0tLS1CRUdJTiBDRVJUSUZJQ0FURS0tLS0tCk1JSUJ.....ekZiSVIGcUtNQWlHVk5yMjBaeUMvQml6Y0QKWEpjMzJ0RHF  
2NHlzOVFua29rVE1GUIYvaIA2Z3pqaW9uaXB1Q1JlRVUyMkpvcMEl3U.....1DQXFRd0R3WURW.....JNdVV6KzI5QWICM2  
1n.....Ci0tLS0tRU5EIENFUlRJRklDQVRFLS0tLS0K  
  server: https://192.168.1.xxx:6443  
  name: k3s  
contexts:  
- context:  
  cluster: k3s  
  user: son  
  name: k3s  
current-context: k3s  
kind: Config  
preferences: {}
```

users:

- name: son

user:

client-certificate-data:

LS0tLS1CRUdJTiBDRVJUSUZJQ0FUR50tLS0tCk1JS.....IFIQzh3Q2dZSUTvWkl6ajBFQXJd0l6RWhNQjhHQTFVRUF3d1k
KYXpOekxXTnNhV1Z1ZEMxallVQXhOekF3TURVd05UY3lNQ....

client-key-data:

LS0tLS1CRUdJTiBFQyBQUkIWI....0NBUUVFSU5nQzZqVEh4TUhXNGQ2SnZ5ZGs5OVVqOTBDaFQzMWU2dIlkdE5QR2
RUSTBvQW9HQ0NxR1NNNDkKQXdFSG9VUURRZ0FFa0hOOTRxWVBFS2pVaVUr....

Happy!

connection to 192.168.1.101 closed

son	k3s-ansible	main	kubectl	get po
NAME	READY	STATUS	RESTARTS	AGE
helpdesk-55bd78c7cc-f66m6	1/1	Running	17 (66d ago)	205d
nfs-subdir-external-provisioner-845c8fddb-fwjgs	1/1	Running	5 (57d ago)	119d
rancher-alerting-drivers-sachet-6c954b9997-wq4m5	2/2	Running	24 (66d ago)	200d
traefik-59dfbc4666-bg69z	1/1	Running	5 (66d ago)	198d
traefik-59dfbc4666-h8w5k	1/1	Running	12 (66d ago)	200d

Some useful commands to remember:

kubectl config get-contexts

CURRENT	NAME	CLUSTER	AUTHINFO	NAMESPACE
---------	------	---------	----------	-----------

*	k3s	k3s	son	
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kubectl config use-context k3s

Revision #7

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