

# Kubernetes internal certificates have expired

## Issue

- Errors within cluster relating to expired Kubernetes internal certificates, i.e.

```
E0830 12:45:48.789064 34964 proxy_server.go:147] Error while proxying request: x509: certificate has expired or is not yet valid: current time 2023-08-30T12:45:48+03:00 is after 2023-08-15T14:55:09Z
```

## Environment

- Element On-Premise Installer

## Resolution

Run the following commands to refresh your internal certificates:

1. `sudo microk8s.refresh-certs -e server.crt`
2. `sudo microk8s.refresh-certs -e front-proxy-client.crt`
3. `sudo snap restart microk8s`

# Root Cause

Most likely caused by an open issue with microk8s regarding auto-renewing of certificates, see [Issue 2489](#).

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