EZUA UI is inaccessible with an error "Realm not enabled"

Issue

The UI is displaying a "realm not enabled" error when attempting to log in to the EZUA interface

Environment

EZUA 1.x

Cause

This issue is occurring because the license on the system has expired. Verify the license expiry using below command:

1. Identify the ezlicense name
   ```
   # kubectl get ezlicense -n ezlicense-system
   ```

2. Describe the license
   ```
   # kubectl describe ezlicense -n ezlicense-system ezua-license-XXXXX|egrep "Expired|License Expir
     Expired:              true
     License Expiry Epoch:  1725148799000
   ```

Convert Epoch to date and verify the expiration. Using the above example, the Epoch converts to:
```
$ date -d @1725148799.000
Sat Aug 31 04:59:59 PM PDT 2024
```

Resolution

Since the UI is not accessible, we have to upload the license manually.

1. Get a new license

2. Create secret with the new license
```
# kubectl get secret -n ezlicense-system|grep ezlicense-secret
ezlicense-secret-XXXXXX    Opaque              1       92d
```

3. Generate file using existing secret
```
# kubectl get secret -n ezlicense-system ezlicense-secret-XXXXXX -o yaml >> ezlicense-secret-XXXXX
```

4. Encode the license using base64
```
# echo -n `cat <licensefilename>` | base64 -w 0
```

5. Modify the secret yaml with the new license
```
apiVersion: v1
data:
  ezlicense-secret-key: <base64 encoded license>
immutable: true
kind: Secret
metadata:
  finalizers:
  - ezlicense.ezconfig.hpe.ezaf.com/finalizer
  name: ezlicense-secret-20240904
  namespace: ezlicense-system
type: Opaque
```

6. Create new secret
```
# kubectl create -f <secretfilename.yaml>
```

7. Identify the license file and generate the yaml
```
# kubectl get ezlicense -n ezlicense-system
# kubectl get ezlicense -n ezlicense-system ezua-license-xxxx -o yaml >> ezua-license-xxxx.yaml
```

8. Modify the yaml

```yaml
apiVersion: ezconfig.hpe.ezaf.com/v1alpha1
kind: EzLicense
metadata:
  finalizers:
  - ezlicense.ezconfig.hpe.ezaf.com/finalizer
  generation: 1
  name: ezua-license-20240904
  namespace: ezlicense-system
spec:
  secret:
    key: ezlicense-secret-key
    name: ezua-license-20240904
  value: <base64 encoded license>
status:
  License:
    deviceId: <platform id>
    label: HPE Ezmeral Unified Analytics License - Consumption Monthly Commit E-LTU
    metadata: {}
    purpose: Testing - HP Internal
  Type: Consumption
  ezCentral:
    registered: true
```

9. Create license and verify

```
# kubectl create -f ezua-license-XXXXX
# kubectl get ezlicense -n ezlicense-system
```

10. Retry the login from the UI

→