

# Verifying ESS releases against Cosign

## Cosign ESS Verification Key

ESS does not use Cosign transaction log to be able to support airgapped deployment. We are instead relying on a public key that you can ask if you need to run image verification in your cluster.

The ESS Cosign public key is the following one :

```
-----BEGIN PUBLIC KEY-----
MFkwEwYHKoZIzj0CAQYIKoZIzj0DAQcDQgAE1Lc+7BqkqD+0XYft05CeXto/Ga1Y
DKNk3o48PIJ2JMrq3mzw13/m5rzlGjdGJC6yctf4+UdACZx5WSilWTFbQ==
-----END PUBLIC KEY-----
```

## Verifying manually

To verify a container against ESS Keys, you will have to run the following command :

- Operator: `cosign verify registry.element.io/ess-operator:<version> --key cosign.pub`
- Updater: `cosign verify registry.element.io/ess-updater:<version> --key cosign.pub`

If you are running in an airgapped environment, then you will need to append `--insecure-ignore-tlog=true` to the above commands

## Verifying automatically

You will have to setup and configure your [SIGStore Admission Policy](#) to use ESS Public Key.

---

Revision #1

Created 4 June 2025 09:18:25 by Kieran Mitchell Lane

Updated 4 June 2025 09:18:25 by Kieran Mitchell Lane