**ELC - Aqua Runtime control Enforcement frequently asked questions (FAQ) V1.0**

**Submitted to**

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**Revision History**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Version** | **Date of Revision** | **Description of Change** | **Reason for Change** | **Reviewed By** |
| 1.1 | 11-Nov-24 | Initial Draft | NA | Mihirkumar |
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|  |  |  |  |  |

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|  |  |  |  |
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| Felix Jebamani | Lead Consultant | Reviewer | 18-Nov-24 |
| Salama, Omar | Lead | Reviewer | 19-Dec-24  [CST-1252](https://jira.esteeonline.com/browse/CST-1252) |
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# Objective of the Document

This document is regarding Aqua Runtime control frequently asked questions (FAQ), which is help us to understand the error of Aqua Runtime control with enforce mode and what should be next action steps.

# 1.0 Purpose and Scope

The purpose of the document to understand and guide for next action steps for the error of Aqua Runtime control.

This document applies to Estee Lauder Companies Inc. (the “Company”) whole Azure AKS clusters environment.

# 2.0 FAQ - Aqua Runtime Enforcement

If you observe the below error, need to follow the next action steps as mentioned below.

## 2.1 Block Non-compliant Images

During the deployment of images as container on AKS cluster, if you observe the below error.

**Error Statement: “denied the request: [Aqua Security] Image is marked as non-compliant”**

**Answer:** Based on Aqua Image assurance policy/s the images are scanned and if failed any set control then fall under the non-compliant.

## 2.2 Block Unregistered Images

During the deployment of images as container on AKS cluster, if you observe the below error.

**Error Statement:** **“denied the request: [Aqua Security] Image is unregistered with Aqua Server”**

**Answer:** Prevents the container from running if the image is not registered in Aqua, please add the image in respective ACR registry.

## 2.3 Drift Prevention

During the deployment of images as container on AKS cluster or getting error in running containers, if you observe the below error.

**Error Statement:** **“Permission denied” (Note: to add/modify in base image)**

**Answer:** Prevents executables not in the original image from running, please add required process, component and executable in the original/base image.

## 2.4 ConfigMap with secrets

During the deployment of ConfigMap on AKS cluster, if you observe the below error.

**Error Statement**: **“[Aqua Security] ConfigMap not started; ConfigMap failed the following Kubernetes Assurance Policies”**

**Answer:**

Storing secrets data in a ConfigMap in Kubernetes is not recommended because ConfigMaps are not designed for storing the secrets information. ConfigMaps stores data in plain text.

Azure Key Vault service is more secure way to store the secrets information.

## 2.5 ConfigMap with sensitive content

During the deployment of ConfigMap on AKS cluster, if you observe the below error.

**Error Statement:** **“[Aqua Security] ConfigMap not started; ConfigMap failed the following Kubernetes Assurance Policies”**

**Answer:**

Storing sensitive data in a ConfigMap in Kubernetes is not recommended because ConfigMaps are not designed for storing the sensitive information. ConfigMaps stores data in plain text.

Azure Key Vault service is more secure way to store the sensitive information.

# 3.0 Reference Document

<https://confluence.esteeonline.com/display/CST/Runtime+Policies+and+Controls?preview=/568779443/568779487/Block%20Non-compliant%20Images.pdf>

<https://confluence.esteeonline.com/display/CST/Runtime+Policies+and+Controls?preview=/568779443/568779485/Block%20Unregistered%20Images.pdf>

<https://confluence.esteeonline.com/display/CST/Runtime+Policies+and+Controls?preview=/568779443/568779484/Drift%20Prevention.pdf>

<https://confluence.esteeonline.com/display/CST/Kubernetes+Assurance+Policies+and+Controls?preview=/568779453/568779482/Sensitive%20Data%20%26%20Secret%20Data%20Control%20-%20V%201.0.pdf>