

Container

Container Registry



Easy Storage, Management, and Sharing of Container Images

Container Registry offers a cloud registry for convenient storage, management, and sharing of container images and OCI(Open Container Initiative) standard artifacts.

Image management and deployment are available anytime anywhere on Samsung Cloud Platform.



Simple Registry Management and Image Deployment

Container Registry for accounts can easily be created on Samsung Cloud Platform. Images for deployment can be pulled from the Registry using the standard Docker CLI(Command Line Interface) to streamline development and service deployment flows. In addition, configuring redundancy for container image repository using DR registry feature is possible.



Efficient Container Image Storage

Through integration with Object Storage, the storage capacity of a registry can be configured as unlimited, and container images can be stored and pulled, allowing for efficient management. Docker Registry V2 API spec is also supported for user convenience.



More Secure Registry Management

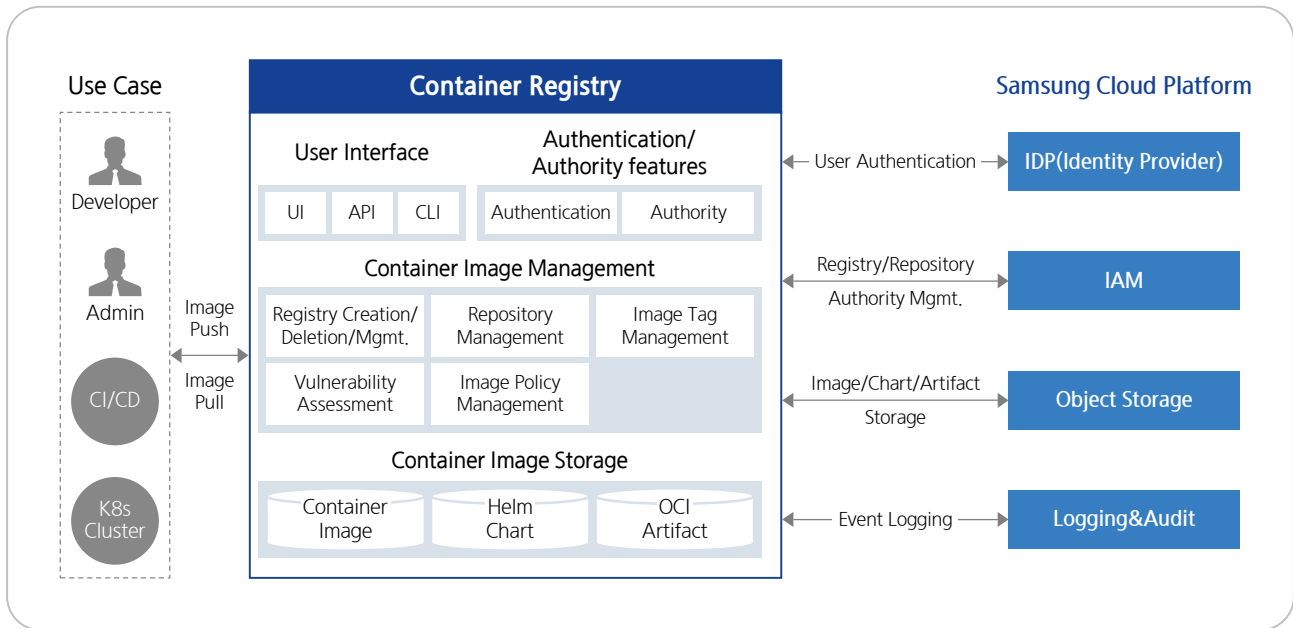
Images can be securely stored and used with Container Registry service. The service encrypts and stores the images in Object Storage and sends them via HTTPS. Access authority is set by repository according to the IAM resource-based policy of Samsung Cloud Platform and allows image usage as per the set authority.



Container Image Vulnerability Assessment

Container Registry offers assessment on security vulnerabilities of stored container images. Users may simply select and scan an image to find the analysis and identify/remove vulnerabilities based on the result.

Service Architecture



Key Features

- **Registry management**
 - Manage the creation/deletion of a registry
 - Manage registry access control
- **Image management**
 - Image tagging : Pushing/pulling/listing/deleting/locking images, and setting up image lifecycle policy with simulation function
 - Repository management : Creating/retrieving/deleting/locking repositories, setting up security rules and image lifecycle policy
- **Vulnerability assessment of images**
 - Provide Common Vulnerability Exposure(CVE)-based vulnerability scanning and results : Container image, package, secret and language package
- **Collaboration and access control**
 - Authority management on IAM (Identity and Access Management)-based registry and repository
 - Usage monitoring
 - Logging : Registry, repository, and image tagged events

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www.samsungsds.com / cloud.samsungsds.com
contact.sds@samsung.com / scp_sales@samsung.com
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