Tencent Container Registry

Updates and Announcements

Product Documentation
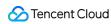
Contents

Updates and Announcements

Release Notes

Last updated：2023-05-08 15:44:59

Note:

This document describes the updates to Tencent Container Registry (TCR) Enterprise Edition. For more information about the updates to Tencent Kubernetes Engine (TKE), see Release Notes.

March 2023

Update	Description	Reference
Service accounts	The access credential feature is upgraded to support both user accounts and service accounts. Users can create and manage service accounts with a custom username, password, permission, and expiration time. The management of instance permissions are simplified, which makes the feature suitable for systems that supports continuous integration and continuous deployment (CI/CD).	-
COS multi-AZ	This feature is optional. When you create a TCR Enterprise Edition instance, we recommend that you enable the COS multi-AZ feature to achieve multi-AZ disaster recovery for higher data reliability and service availability. This feature incurs higher storage costs.	MAZ Feature Overview

December 2022

Update	Description	Reference
Reuse of TCR Individual domain names	Shared TCR Individual Edition domain names can be reused in exclusive TCR Enterprise Edition instances. This allows you to push images to or pull images from an exclusive TCR Enterprise Edition instance by using the URL of a TCR Individual Edition image repository. This way, the costs of upgrading to TCR Enterprise Edition instances are reduced.	Using Personal Edition Domain Name to Access Enterprise Edition Instance

September 2022

Update	Description	Reference
Image signing	The container image signing feature is launched to ensure image consistency across the entire linkage.	Container Image Signature
Increased number of accessed VPCs	The quota for connected VPCs is increased for all versions. Up to 20 VPCs can be connected.	-
Feature of checking whether a domain name has an ICP filing	The feature of checking whether a domain name has an ICP filing is added for custom domain names to meet compliance requirements.	-

June 2022

Update	Description	Reference
Quick start	Users can quickly initialize TCR Enterprise instances that are newly created in five minutes to push your first container image.	-
Improved image retention capability	Advanced configuration is added to the image retention feature of TCR Enterprise Edition. The feature allows you to configure image filtering rules, which support regular expressions.	Auto-Deleting Image Tags

December 2021

Update	Description	Reference
Upgrade of image acceleration to download data in an image on demand	The capability of image acceleration is upgraded. It can be enabled with one click. The container can be started in seconds when deploying the application, without the need to pull all image data.	Loading Container Images on Demand
Automatic image	The TCR Individual service supports the automatic image deployment feature based on CODING DevOps in all available regions, which can automatically	-

deployment in all regions in TCR Individual service	trigger image building for code push and automatically push images to the Individual Edition image repository to update container applications in the specified cluster.	

November 2021

Update	Description	Reference
Image building in all regions in TCR Individual service	The TCR Individual service supports image building based on CODING DevOps in all available regions. You can select the specified image repository in the unified product console to implement image building.	-
New entry of TCR Individual in the console	Starting from November 1, 2021 (UTC +8), entry of TCR Individual (the original path: TKE > Image Repository) in the console will be changed to be located in the TCR console and this will be in beta testing. For the relationship of the existing features in the two consoles, see related documents.	Announcement on Merging the Entries of TCR Enterprise and TCR Individual

October 2021

Update	Description	Reference
Check of instance replication logs	The instance replication feature now supports checking replication logs, and supports querying via API.	Intra-Instance Multi-Region Image Replication
Unified management of image repositories of TCR Individual	The TCR console now supports unified management of image repositories of TCR Individual. Users can view TCR Individual instances, and manage namespaces and image repositories.	-

July 2021

Update	Description	Reference

| Cross-master account instance synchronization | The instance synchronization feature supports cross-master account synchronization of instance data. | Cross-Tenant Synchronization |
| Image tag immutability | The tag immutability feature can be enabled for images hosted in TCR, which ensures that images of the same tag will only be successfully pushed once. | Configuring Image Tag Immutability |

June 2021

Update	Description	Reference
Enhanced TCR console features	The original instance list page has been upgraded to an instance management page, where you can view the instance overview, the latest TCR features, and product updates.	-
Batch adding/editing for the public network access allowlist	The TCR console supports entering multiple IP addresses or IP ranges in the allowlist at a time or importing the configurations of an existing security group.	Configuring Public Network Access Control
Multiple supported regions added for auto-parsing management	Nanjing, Hong Kong (China), Singapore, Frankfurt, Chengdu, and Chongqing are added as the supported regions.	Private Network Access Control
Removal of unused image data	Users can set custom rules to remove unused image data of TCR Enterprise Edition instances in batches to release storage capacity. Dry runs are supported.	Releasing COS Storage Capacity

April 2021

Update	Description	Reference
Querying audit logs	TCR Enterprise has been integrated with Tencent CloudAudit. Users can check the logs of read and write operations of instances, namespaces, and image repositories in "Event History".	-

March 2021

Update	Description	Reference
Custom domain names	TCR supports custom domain names. User can add custom domain names and SSL certificates to a TCR Enterprise Edition instance, and access the instance through the HTTPS protocol.	Configuring Custom Domain Name

January 2021

Update	Description	Reference
Multi-region replication of a single instance	Users can create replicas of an Enterprise Premium instance in multiple regions with the same access domain name and credential as the original TCR Enterprise Edition instance and synchronize underlying image data of the original instance to replicas in real time. After image data is uploaded, it can be downloaded through the local private network in multiple regions.	Intra-Instance Multi-Region Image Replication
Compatibility with cloud-native artifacts and multi-architecture images	TCR Enterprise instances are compatible with cloud-native artifacts (OCI). Image Registry can host Helm charts, CNAB, and other cloud-native artifacts. TCR Enterprise Edition instances can host multi-architecture container images, such as AMD64 and ARM, to be applicable to IoT and edge computing scenarios.	-
Added support for on-demand container image loading	A TCR Enterprise Premium instance can enable the on-demand container image loading feature. When cluster nodes pull image data from the TCR Enterprise Premium instance, they can mount pulled data as needed, improving the container startup speed.	Loading Container Images on Demand
Optimized private network access feature	When a private network access linkage is created for an instance deployed in China, the VPCDNS can be used to configure private network resolution for the instance access domain name, without the need to use an external DNS or configure the host.	Private Network Access Control
TCR Enterprise available in the Taipei (China) region	TCR Enterprise is now available in the Taipei (China) region. For more information on billing, see Billing Overview.	Billing Overview

December 2020

Update	Description	Reference

Commercial billing for TCR Enterprise	TCR Enterprise Edition instances have ended beta testing and will be billed. SLA guarantees are provided, and users can purchase instances in pay-as-you-go mode.	Billing Overview
TCR Enterprise available in Virginia and Frankfurt regions	TCR Enterprise is now available in the Virginia and Frankfurt regions. For more information on billing, see Billing Overview.	Billing Overview

October 2020

Update	Description	Reference
Added support for multiple code sources in the image building feature	The private GitLab and TGit code sources are now supported, and the code source authorization process has been optimized.	-
Image filtering in the delivery pipeline deployment feature	Local push images can be used to trigger the deployment process, and filtering rules can be configured to deploy only the most recently pushed images that meet the rules.	Using the Delivery Assembly Line to Implement Container DevOps

September 2020

Update	Description	Reference
Image tag retention feature	Automatic clearing rules can be configured for image tags in a namespace to periodically clear historical image tags.	Auto-Deleting Image Tags

August 2020

Update	Description	Reference
TCR add-on available in TKE clusters	You can quickly install the TCR Enterprise add-on in a TKE cluster to enable secret-free pulling of container images and Helm charts through the private network. This significantly improves the application deployment experience.	TKE Clusters Use the TCR Addon to Enable Secret-free Pulling of Container Images via Private Network

| Tencent Cloud tags | Users can bind TCR Enterprise Edition instances with Tencent Cloud tags, with which they can perform instance resource filtering and permission management. | Creating a TCR Enterprise Instance |

July 2020

Update	Description	Reference
Delivery pipeline feature	After a delivery pipeline is configured, code updates can automatically trigger image building, image push, and application updates. When used with TKE, this feature can quickly implement container DevOps.	Using the Delivery Assembly Line to Implement Container DevOps
Updated Helm chart feature	Users can upload and download chart packages through the console. TKE can use TCR private Helm repositories for application deployment.	Managing Helm Charts

June 2020

Update	Description	Reference
Full beta test for TCR Enterprise	TCR Enterprise officially starts a full beta test. Users can create secure and exclusive TCR Enterprise Edition instances and use image security scanning, cross-region instance synchronization, and Helm chart hosting.	Product Overview

Announcements

Announcement on Merging the Entries of TCR Enterprise and TCR Individual

Last updated：2022-05-09 12:41:23

The entries of TCR Enterprise and TCR Individual in the console are merged. The entry for TCR Individual in the console is discontinued, and you will be redirected to the TCR console if you go to the original entry. The most of the existing features of the TCR Individual are retained. The legacy image building and trigger features are no longer available. You can use the latest image building service based on CODING DevOps, or directly use CODING DevOps service to implement container DevOps.

Updates

- The change is only limited to entries in the console. Other operations, such as pushing and pulling of existing container images and creation of namespaces and image repositories, are not affected.
- The legacy TCR Individual entry in the console (TKE > Application > Image Repositories > TCR Individual) is discontinued. The new entry can be accessed through **TKE console > Application > Image Repositories**. Then, you will be directed to **TCR console > Resource Center > Image Repository**.
- The features of password management and global image lifecycle management accessed through **TCR Individual > My images** are merged into **TCR > Instance Management**. Please see details below:
  - After the merger, you can check the TCR Individual instances in the specified region. Also, you can click **More** > **Reset the login password** to reset the password.
  - For Global Image Lifecycle Management feature, you can check the TCR Individual instances in the specified region. Also, you can click **More** > **Configure garbage collection** to set the policy.
  - The feature of Source Authorization is no longer available. The service will be provided by CODING DevOps.
- The features of image repositories management accessed through **TCR Individual > My images** are merged into **TCR > Resource Center > Image Repository**. Please see details below:
  - You can create, query, edit and delete image repositories.
  - You can query and delete image tags. Copying of image tags is no longer supported.
  - The legacy Auto Clearing feature is no longer supported. Please directly configure the global image clearing policy.
  - The image building feature is no longer supported, and the image building service will be provided by CODING DevOps. The legacy configuration data of image building is retained, but data creation and edit are no longer supported. Please switch to the latest image building service as soon as possible.
  - The trigger feature is no longer available.

- The features of namespace management features accessed through **TCR Individual > Namespace** are merged into **TCR > Resource Center > Namespace**. Please see details below:
  - You can create, query, edit and delete namespaces.

Notes

- The changes are only limited to the entry of TCR Individual in the console and some features. The TCR Individual service is still free of charge within the quota.
- The changes do not affect TKE and other products that support TCR Individual service. You can continue to use the images in TCR Individual image repositories through these products.
- If you have any questions, please contact us.

FAQs

How to upgrade the TCR Individual service to the TCR Enterprise service?

You can refer to Migration from TCR Individual to TCR Enterprise, to migrate images in the TCR Individual image repositories to TCR Enterprise instances, and change the container cluster configurations.

Why can't I see TCR Individual instances in the regions of Shanghai and Beijing after the merger of entries in the console?

In the Chinese mainland, TCR Individual service is only deployed in Guangzhou, Shenzhen Finance, Shanghai Finance and Beijing Finance. Guangzhou region was the default region before the merger, and it supported cross-region usage in Beijing, Shanghai and Chengdu. After the merger, the TCR Individual instances are only displayed in Guangzhou region. You can still access the TCR Individual image repositories managed in Guangzhou in other regions such as Beijing and Shanghai. If you want to improve the access speed and stability, please use TCR Enterprise service in a nearby region.

Contact Us

Please contact us if you have any questions. Thank you for your support for Tencent Cloud. We will continue to provide you with more cost-effective products.