

Tencent Kubernetes Engine

Release Notes

Product Documentation



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Contents

Release Notes

TKE Product Updates

Elastic Kubernetes Service

Tencent Kubernetes Engine for Edge

Release Notes

TKE Product Updates

Last updated : 2021-02-03 11:01:03

December 2020

Update	Description	Date	Related Documents
Descheduler addon was launched.	Based on the actual node loads, this addon supports automatic rescheduling of marked services on high-load nodes to maintain the cluster load balance.	2020-12-25	DeScheduler
Nginx-ingress addon was fully launched.	<ul style="list-style-type: none"> The issue of nginx-ingress-controller toleration scheduling was fixed. Nginx-Ingress UI experience was improved, including the regular matching of forwarding rule, configuration of backend ClusterIP mode Service, and certificate supporting kubernetes.io/tls type Secret. 	2020-12-24	Nginx-ingress
CBS-CSI addon was launched.	CBS-CSI addon supports: <ul style="list-style-type: none"> Creating static volume/dynamic volume Storage topology awareness Scheduler awareness of node maxAttachLimit Online volume expansion Volume snapshot and restoration 	2020-12-22	CBS-CSI
TKE node pool was fully launched.	Basic node pool features allow you to conveniently and quickly create, manage, and terminate nodes and dynamically scale nodes in or out.	2020-12-21	Node Pool Overview
The feature of TKE console was enhanced.	<ul style="list-style-type: none"> The console supports Resource Quota, which can be used to configure the resource quotas and default resource request values for the namespace. Import ConfigMap through files. It supports generating ConfigMap based on file content. 	2020-12-09	-

NetworkPolicy add-on was launched.	This add-on supports automatic synchronization of NetworkPolicy to make the network isolation policy effective.	2020-12-03	Network Policy
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November 2020

Update	Description	Date	Related Documents
The beta container network solution was launched.	TKE leveraged the intelligent ENI to launch a new container network solution. This solution realizes that a Pod can monopolize an ENI without passing through the node network protocol stack (default namespace), greatly shortening the container access link and minimizing the access latency.	2020-11-27	-
The beta productized Nginx-Ingress was launched.	TKE is fully compatible with and expands the native Nginx-ingress to help users quickly deploy and build production-level traffic access gateways, providing comprehensive Nginx-ingress full lifecycle management, automatic cloud native monitoring, CLS, and supporting OPS capabilities.	2020-11-26	-
Event dashboard was launched.	This feature implements the aggregation search and trend observation of top events and exception events.	2020-11-26	Event Dashboard
Auditing dashboard was launched.	This feature implements the aggregation search and direct observation of cluster global, nodes, K8s objects and other important operations.	2020-11-26	Auditing Dashboard
Operating system can be modified at the node pool level and cluster level.	Users can create node pools of different operating systems as needed to facilitate the standardized management of nodes.	2020-11-23	Creating a Node Pool
DynamicScheduler add-on is added.	This add-on can perform scheduling based on actual node load to avoid hotspot	2020-11-21	-

scheduling.

October 2020

Update	Description	Date	Related Documents
TPS supports using edge cluster as monitoring object to access the monitoring instance.	TPS supports the monitoring of edge clusters and the management of multiple clusters across VPCs.	2020-10-30	PROM Instance Management
TPS alarm policy supports webhook configuration.	The alarm policy supports webhook configuration, which enables users to troubleshoot abnormal services in time and improve service stability.	2020-10-30	Alarm Configurations
TKE node pool adds the capability of viewing scaling log.	This feature helps users to more easily observe the change of node number in the node pool as well as the trigger cause and result of scaling, improving the node pool observability.	2020-10-13	Viewing Node Pool Scaling Logs

September 2020

DNSAutoscaler Description

Update	Description	Date	Related Documents
TKE ServiceConfig was optimized	You can configure service/ingress to create tkeserviceconfig automatically.	2020-09-23	Using TKEServiceConfig to Configure CLBs
The DNSAutoscaler	This add-on can obtain number of nodes and cores of the cluster via deployment, and auto-scaling the number of DNS	2020-09-23	

add-on was launched.	replicas according to the preset scaling policy, so as to improve DNS availability.		
The beta cloud native ETCD was launched.	This feature enables you to one-click deploy the high-reliability and high-performance ETCD cluster, which is profusely verified through Tencent's internal services. It also provides cross-AZ disaster recovery capabilities and optimal performance configuration.	2020-09-16	-
One-click add-on configuration was available when creating the cluster.	You can easily and quickly configure the required add-ons for the cluster.	2020-09-15	Creating a Cluster

August 2020

Update	Description	Date	Related Documents
The monitoring capability of the cloud native monitoring service was optimized.	<ul style="list-style-type: none"> The cluster monitoring collection items are preset, and a diverse Grafana dashboard is available. The Targets list page is added to allow users to view the real-time status of monitoring tasks. 	2020-08-31	-
The alarm module of the cloud native monitoring service was upgraded.	<ul style="list-style-type: none"> It can be associated with a local Alertmanager add-on. It supports managing PROM instance rules with CRD. 	2020-08-31	Alarm Configurations
The NodeProblemDetectorPlus add-on was launched.	It supports configuring node self-healing policy on the basis of existing detection feature.	2020-08-25	Node-Problem-Detector-Plus Description
TKE launched in-place major-version upgrade capabilities.	The in-place major-version upgrade feature supports major-version upgrade without node reinstallation.	2020-08-25	-

TKE add-ons were fully launched.	The add-on feature enables users to install or uninstall multiple advanced add-ons for clusters.	2020-08-25	Add-on Overview
TKE Kubernetes 1.18 version was fully launched.	Allows users to create clusters of the Kubernetes 1.18 version and upgrade clusters to the 1.18 version.	2020-08-24	-

July 2020

Update	Description	Date	Related Documents
The capabilities of storage plug-ins are optimized.	<ul style="list-style-type: none"> The TKE console supports PV creation without specifying StorageClass. Users can set and mount COS subdirectories. 	2020-07-28	<ul style="list-style-type: none"> PV and PVC binding rules Using COS
Cluster creation supports setting node configuration placement groups.	This feature enables disaster recovery and high availability for nodes when they are launched.	2020-07-15	Creating a Cluster
The beta cloud native monitoring was launched.	It supports one-click deployment of the high-availability monitoring architecture and quick association with TKE clusters and EKS clusters.	2020-07-15	Cloud Native Monitoring
The collection configuration and alarm configuration of cloud native monitoring are implemented through products.	<ul style="list-style-type: none"> Three configuration modes are supported: service monitor, pod monitor, and raw job. Alarm history rewinding is supported. 	2020-07-15	-
RBAC-based	<ul style="list-style-type: none"> It allows cluster admins to configure 	2020-07-	TKE

permission control with finer granularity is launched for beta testing.	<p>management permissions for different roles regarding different resources in the cluster.</p> <ul style="list-style-type: none"> • It supports certificate revocation. • It is suitable for enterprises' compliance permission management scenarios. 	10	Kubernetes Object-level Permission Control
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June 2020

Update	Description	Date	Related Documents
The IPVS-bpf mode is launched for beta testing.	TKE uses eBPF to bypass conntrack and optimize the Kubernetes Service, improving the non-persistent connection performance by over 40% and reducing the p99 latency by over 31%.	2020-06-19	-
TKE supports the creation of services in CLB-to-Pod direct access mode.	The forwarding performance of pods with LoadBalancer directly connected to ENI can be improved by over 10%.	2020-06-18	Using services with LoadBalancer directly connected to pods
TKE supports balanced forwarding and local binding.	TKE has strengthened the Loadbalancer Service and the LoadBalancer Ingress backend binding with the RS feature. TKE supports balanced forwarding and local binding.	2020-06-18	Service backend selection
The TKE app market was comprehensively upgraded.	The app market provides an output window for Tencent Cloud's practical cloud-native technologies and also provides a variety of great community apps that users can easily and quickly use.	2020-06-10	Application Market

May 2020

Update	Description	Date	Related Documents
TKE launches	In TKE, you can use services and ingresses	2020-05-	-

the ContainerNative network LoadBalancer (supports CLB-to-Pod direct access).	with LoadBalancer directly connected to pods, which provides higher performance and more robust product capabilities. This feature can resolve issues such as imbalanced load for persistent connections, health check session persistence configuration issues, and IPVS jitter.	12	
The cluster deletion feature is optimized.	<ul style="list-style-type: none"> When deleting a cluster, you can view the existing nodes, security groups, cloud disks, and other resources in the cluster. A deletion risk reminder is added to prevent accidental deletion that may interrupt your business. You can delete the nodes, cloud disks, and other resources in the cluster at the same time. 	2020-05-12	Deleting Clusters
TKE launches the open-source KMS plug-in.	<ul style="list-style-type: none"> The Tencent Cloud TKE-KMS plug-in integrates the rich key management features of the Key Management Service (KMS) to provide robust encryption/decryption capabilities for secrets in Kubernetes clusters. By using the TKE-KMS plug-in, you can perform KMS encryption on your business credential information stored in clusters to enhance your security. 	2020-05-08	-

April 2020

Update	Description	Date	Related Documents
The TKE console supports multidimensional node filtering and node list export.	<ul style="list-style-type: none"> Cluster nodes can be filtered based on lock status. Cluster nodes can be filtered based on CVM attributes such as node status and IP address. Cluster nodes can be exported in batches. 	2020-04-22	Node Overview
TKE Image Registry can	TKE Image Registry adds the image lifecycle management feature, which allows users to	2020-04-16	Image Lifecycle

configure a global image lifecycle management policy.	configure a global image version clearing policy for the main account and supports independent version clearing policies retained for individual repositories.		Management
The TKE beta version supports the node pool feature.	<p>The node pool feature can be used in the following scenarios:</p> <ul style="list-style-type: none"> When a cluster contains multiple heterogeneous nodes (different models), node pools can standardize node group management. If a cluster needs to scale nodes in or out frequently, node pools can reduce the operation costs. If application scheduling rules in a cluster are complex, node pools can quickly specify business scheduling rules. During routine cluster node maintenance, node pools can conveniently manage Kubernetes and Docker version upgrades. 	2020-04-10	Node Pool Management
TKE removes Kubernetes 1.8 as an option.	TKE no longer supports creating clusters using Kubernetes 1.8.	2020-04-03	Creating a Cluster
Self-deployed cluster master update.	You can now use the TKE console to perform rolling updates of Kubernetes masters on self-deployed clusters.	2020-04-02	Updating a Cluster

March 2020

Update	Description	Date	Related Documents
TKE now supports both GlobalRouter and VPC-CNI network modes.	TKE now supports GlobalRouter and VPC-CNI network modes for your business needs. Choose the one that fits your needs.	2020-03-30	How to Choose a TKE Network Mode
TKE has stopped providing	We plan to discontinue support for TencentHub this month, so TKE has officially stopped providing features related to	2020-03-25	-

features related to TencentHub.	TencentHub and no longer supports related APIs.		
TKE supports enabling "Local Disk Formatting" for BM and big data models.	TKE now allows you to enable "Local Disk Formatting" for BM and big data model nodes and also allows you to mount and set container directories.	2020-03-02	Creating Clusters

February 2020

Update	Description	Date	Related Documents
TKE cluster scaling groups support node shutdown when scaling in.	When scaling in, cluster scaling groups now support shutting nodes down instead of terminating or draining them . To enable this feature, you need to submit a ticket .	2020-02-17	Cluster Scaling
TKE fully launches Kubernetes 1.16 and passes conformance verification .	<ul style="list-style-type: none"> Users can create self-deployed clusters and managed clusters of the Kubernetes 1.16 version. Users can update a cluster from Kubernetes 1.14 to 1.16. 	2020-02-14	<ul style="list-style-type: none"> Creating a Cluster Upgrading a Cluster

January 2020

Update	Description	Date	Related Documents
TKE allows users to create clusters using a cluster template.	The template-based cluster creation feature provides multiple templates for creating managed clusters, self-deployed clusters, and elastic clusters, simplifying the current cluster creation process and improving the cluster creation experience . It applies	2020-01-12	Creating Clusters

to various business scenarios such as HA clusters and GPU clusters.

December 2019

Update	Description	Date	Related Documents
TKE supports the PVs and the PVCs of the Cloud File Storage (CFS) and Cloud Object Storage (COS) types.	TKE supports the PVCs and the PVs of the CFS and COS types connecting storage resources with Kubernetes , which makes it convenient for users to use basic Tencent Cloud products through the native Kubernetes mode and allows users to manage file storage and object storage via PVs and PVCs .	2019-12-27	-
TKE Kubernetes 1.16 beta is launched.	<ul style="list-style-type: none"> This allows users to create Kubernetes 1.16 self-deployed clusters and managed clusters via the console. It also allows users to upgrade the Kubernetes version of a cluster from 1.14 to 1.16. 	2019-12-18	<ul style="list-style-type: none"> Creating a Cluster Upgrading a Cluster
TKE supports purchasing multiple data disks during node initialization as well as custom formatting.	TKE allows users to purchase multiple data disks during node initialization and supports custom data disk formatting, allowing users to isolate data and format settings flexibly based on their actual needs .	2019-12-12	Adding Nodes
TKE nodes support the in-place rolling updates of minor Kubernetes versions.	<p>Nodes in in-place updates support the rolling update mode.</p> <ul style="list-style-type: none"> Only one node is updated at a time, and the next node will be updated only after the current node is successfully updated. Currently, in-place updates only support updating different minor versions of the same major version. 	2019-12-03	Updating a Cluster

November 2019

Update	Description	Date	Related Documents
The beta custom Hostname supported by TKE is launched.	The TKE custom Hostname feature provides the following advantages: <ul style="list-style-type: none"> • Helps clusters interwork with enterprises' internal domain name service systems. • Makes it easier for users to quickly create nodes with a specified Hostname in batches. 	2019-11-15	Adding a Node
TKE Ingress performance optimization is released.	TKE Ingress performance is optimized to better serve users. <ul style="list-style-type: none"> • CLB changes are optimized to allow batch calling APIs to process backend binding. • CVM backend query is optimized to help users avoid unnecessary repeated queries. 	2019-11-07	Ingress Management

October 2019

Update	Description	Date	Related Documents
Cluster worker nodes support configuring several security groups simultaneously and using the default security group.	TKE allows a cluster worker node to bind multiple security groups and provides a default security group, helping users quickly configure available security groups.	2019-10-22	TKE Security Group Settings
Node labels can be added in batches during creation of clusters/nodes.	When a cluster is created or new nodes are added to an existing cluster, TKE allows users to add labels for nodes that run the same business or have the same configurations. The labels help users divide	2019-10-21	Cluster Management

	resources, label resource attributes, and filter and batch process massive resource volumes.		
Runtime component Containerd supports the GPU model.	The TKE runtime component Containerd supports the GPU model. When users need to create a GPU application in a cluster, they can choose Containerd as the runtime component.	2019-10-17	How to Choose Containerd and Docker
The beta for rolling Kubernetes reinstallation and upgrade of TKE nodes is launched.	TKE supports the batch update of nodes in a cluster from an earlier version to a later version. This feature applies to clusters whose Kubernetes version is outdated and clusters whose nodes do not have relevant custom configurations. Custom configurations will become invalid after the rolling reinstallation and upgrade of nodes.	2019-10-15	Upgrading a Cluster
TKE supports GPU monitoring metrics.	TKE supports GPU monitoring metrics, enabling users to monitor GPU-related resources. By checking monitoring data, users can precisely identify specific problems, shorten troubleshooting time, and reduce OPS costs, ensuring the continuous and stable running of businesses.	2019-10-15	List of Monitoring and Alarm Metrics

September 2019

Update	Description	Release Time	Related Document
Related APIs of the TKE cluster scaling group have been updated to API 3.0.	TKE APIs have been updated to 3.0 and support all-region access. The new API documentation is more standardized and comprehensive, with unified parameter styles and common error codes. The SDK/CLI version is consistent with the API documentation, providing a simple and convenient user experience.	2019-09-12	Related APIs of the Scaling Group
TKE Kubernetes	TKE Kubernetes 1.14 is fully launched	2019-09-	Conformance

1.14 is fully launched and has passed conformance verification.	and has passed conformance verification to ensure that the latest Kubernetes version is available.	07	Verification
TKE supports the Tencent Cloud tag, allowing authorization by tag.	If the Tencent Cloud tag is added to a cluster when the cluster is created, the Tencent Cloud services, cloud disks, CLBs, and other resources created in the cluster will automatically inherit the cluster's tag , allowing users to clearly view resource categories.	2019-09-06	-
The default instance type for created LoadBalancer-type services is CLB.	When TKE creates a LoadBalancer-type service, the default instance type is CLB. This instance type covers all features of a conventional CLB. <ul style="list-style-type: none"> The CLB instance type supports the TCP, UDP, HTTP, and HTTPS protocols. It provides flexible forwarding capabilities based on domain names and URLs. 	2019-09-06	Instance Types
TKE self-deployed clusters support the separate viewing of Master and Etcd nodes.	This feature allows users to intuitively view the list of all Master and Etcd nodes of a self-deployed cluster and the details of such nodes . Users no longer have trouble distinguishing Master and Etcd nodes in self-deployed clusters.	2019-09-05	Node Management

August 2019

Update	Description	Date	Related Documents
When a "self-deployed cluster" is created, a security group is automatically bound to the Master node.	This feature can automatically bind an applicable security group to the Master node in a self-deployed cluster . This prevents the Master node from being associated with a security group with communication problems and improves the success rate of creating self-deployed clusters.	2019-08-27	Creating Clusters

TKE supports the visualized display of the cluster creation progress.	The visualized display of the cluster creation progress enables users to see the waiting time for cluster creation and troubleshoot the steps with exceptions. This improves the success rate of cluster creation and ensures the continuous and stable running of businesses.	2019-08-23	Creating Clusters
Open source components: TencentCloud-controller-manager and cbs-csi support Kubernetes 1.14.	The open source components Tencent Cloud-controller-manager and cbs-csi support Kubernetes 1.14.	2019-08-12	Open Source Components
Use existing CLB instances to create Ingress.	Users no longer have to create new CLB instances in order to create a new Ingress. They can now avoid additional costs by using existing CLB instances to create a new Ingress.	2019-08-08	Basic Ingress Features
TKE Kubernetes 1.14 beta is launched.	Users can now use the TKE console to create clusters based on Kubernetes 1.14.	2019-08-04	-
Related APIs of TKE cluster nodes have been updated to API 3.0.	TKE APIs have been updated to 3.0 and support all-region access. The new API documentation is more standardized and comprehensive, with unified parameter styles and common error codes. The SDK/CLI version is consistent with the API documentation, providing a simple and convenient user experience.	2019-08-04	API 3.0
TKE now supports application-level log collection.	By checking the collected file logs in the container, users can view the running status of applications in the container , precisely identify specific problems, shorten the troubleshooting time, and reduce OPS costs to ensure the continuous and stable running of businesses.	2019-08-01	Log Collection

July 2019

Update	Description	Date	Related Documents
The CLB health check failure issue in IPVS mode is fixed.	Fixes the compatibility issue between the TLinux kernel and IPVS and fixes the CLB health check failures in IPVS mode.	2019-07-16	-
TKE scaling groups support spot models.	When TKE creates a scaling group, users can choose spot instances and purchase pods at a certain discount . However, the system may automatically recall these pods that are sold at a discount.	2019-07-10	Spot Instances
TKE supports choosing Containerd as the container runtime component.	When Containerd serves as the container runtime component, it only runs necessary features to manage images and the container lifecycle , providing users with more stable and more resource-efficient container running infrastructures.	2019-07-05	How to Choose Containerd and Docker

June 2019

Update	Description	Date	Related Documents
The beta VPC-CNI network mode is launched.	TKE provides the VPC-CNI extended network mode, which can assign intra-VPC IP addresses to Pods in a cluster . In the VPC-CNI mode, clusters can create StatefulSet that supports fixed IP address types, and the Pod IP addresses will not change because of restart or migration.	2019-06-29	Enabling the VPC-CNI Network Mode
The beta StatefulSet with fixed IP addresses is launched.	The StatefulSet with fixed IP addresses help resolve issues related to IP address changes caused by Pod restart or migration . Users can create the StatefulSet with fixed IP addresses for source IP address authorization, IP-based process review, log query based on Pod IP addresses, and other	2019-06-29	Managing StatefulSets with Static Pod IP Addresses

	business needs to ensure the continuous and stable running of businesses.		
TKE uses the new console version by default.	In order to provide a better product user experience, TKE now uses the new Kubernetes-compatible console .	2019-06-17	The New TKE Console
Fixes an issue where cordoning a node while it is being created causes the process to freeze.	Fixes an issue where cordoning a node while it is being created causes the process to freeze.	2019-06-13	pr69047
Fixes an issue where too many secrets results in a pod creation failure.	Fixes an issue where too many secrets results in a pod creation failure.	2019-06-13	pr74755
The new version of the TKE international console is launched.	The new version of the TKE international console adjusts a series of functional modules and provides a native, easier-to-use platform , which helps users resolve environmental issues in development, testing, and OPS, reduce costs, and improve efficiency.	2019-06-05	TKE international console.
Managed clusters support configuring ACLs for public network access.	Users can set security group rules for managed clusters that enable public network access.	2019-06-05	TKE Security Group Settings

May 2019

Update	Description	Date	Related Documents
Nodes in a scaling group	When scale-in conditions such as the number of idle nodes are met, the cluster	2019-05-20	Cluster Scaling

tolerate drain failures during automatic scaling in.	automatically scales in. However, only when all pods of a node are successfully scheduled to other nodes can the pods be drained successfully and scale-in be performed successfully.		
Supports registering the TKE network to CCN.	TKE allows users to register existing clusters to CCN, which can manage the container's network. After the container's network is registered, you can enable or disable its IP range routing on the CCN side to achieve interconnection between the container's cluster and the resources in CCN.	2019-05-17	Register Container Clusters to CCN
TKE supports GPU virtualization.	<ul style="list-style-type: none"> Extension components support the installation and the deployment of GPU visualization components. Clusters that have deployed GPU nodes and gpu_manager can extend GPU-related settings during workload creation. 	2019-05-17	Using a GPU Node

April 2019

Update	Description	Date	Related Documents
Kubelet applies CNI mode by default	TKE Kubelet uses the VPC-CNI network mode by default.	2019-04-24	-
Docker 18.06 is launched for beta testing.	Runtime components that use Docker 18.06 can create clusters.	2019-04-22	-
The new alarm version is launched and supports all regions.	Alarms enable users to discover exceptions in TKE in a timely manner to ensure business stability and reliability. The new alarm version provides more alarm metrics. We recommend that you configure necessary alarms for all production clusters.	2019-04-22	Setting Alarms
Cluster management - Kubernetes	In the managed cluster mode, the Master and Etcd nodes of your Kubernetes cluster will be centrally managed and maintained by the	2019-04-11	Cluster Hosting Modes

online updates - managed master nodes	Tencent Cloud technical team. The online updates of the Kubernetes version ensure business stability.		
Self-deployed clusters support Master and Etcd monitoring.	Users can query monitoring information about Master and Etcd nodes on the **Node Management** page of self-deployed clusters.	2019-04-11	Viewing Monitoring Data

March 2019

Update	Description	Date	Related Documents
TKE supports Bare Metal (BM 2.0) nodes.	BM physical servers are a type of on-demand pay-as-you-go physical server rental service that provides high-performance and securely isolated physical server clusters for cloud users.	2019-03-28	-
Users can use a purchased CVM to create clusters.	Using existing CVMs to create clusters helps users reuse existing resources and reduce costs.	2019-03-28	Create a cluster using existing CVMs
Cluster auto-scaling (CA) supports disabling pod draining.	When there are multiple idle nodes in a cluster, scale-in will be triggered. CA supports disabling pod draining.	2019-03-16	Cluster Scaling
Cluster scaling groups support the scale-out of GPU nodes.	When a pod in a cluster cannot be scheduled due to a lack of available resources in the cluster, the previously set auto scale-out policy will be triggered. GPU nodes can be added during scale-out.	2019-03-12	Cluster Scaling

February 2019

Update	Description	Date	Related Documents
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A new monitoring system is released.	A good monitoring environment ensures the high reliability, high availability, and high performance of Tencent Cloud TKE. You can collect monitoring data in different dimensions for different resources to quickly understand the resource usage situation and easily locate errors.	2019-02-18	Overview of Monitoring and Alarms
Self-deployed clusters support Kubernetes 1.12.	Users can now create Kubernetes 1.12 self-deployed clusters in the TKE console.	2019-02-15	-
Fixes the runC vulnerability CVE-2019-5736.	The lightweight container runtime environment runc was found to have a container escape vulnerability, which allowed attackers to overwrite the host runc file (and consequently obtain host root access). This vulnerability has been fixed.	2019-02-13	[WARNING] runC Container Escape Vulnerability

January 2019

Update	Description	Date	Related Documents
Existing CLBs can be used to create Service.	Using existing CLBs to create Service can save resources and help users reduce costs.	2019-01-24	Service Management
Custom images can be used to create clusters.	TKE allows users to create custom images based on the basic image provided by TKE and use these custom images to create clusters. To enable this feature, submit a ticket to apply.	2019-01-24	Custom Images
Affinity scheduling can be set during workload creation.	YAML is delivered to the Kubernetes cluster to schedule pods in a workload. The affinity and anti-affinity mechanism of Kubernetes ensures that pods are scheduled according to specific rules.	2019-01-24	Setting the Scheduling Rule for a Workload
TKE allows multiple	Multiple Services can now use the same CLB instance to avoid additional resource costs.	2019-01-10	Service Management

Services to use the same CLB instance.			
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December 2018

Update	Description	Date	Related Documents
TencentHub supports Helm Chart management.	Helm is a package management tool of Kubernetes. Chart is a collection of files describing Kubernetes resources. Tencent Hub provides an address for users to store Helm Charts.	2018-12-26	Overview of Helm Charts
TKE supports Helm application installation.	Helm is a packaging tool for managing Kubernetes applications. TKE has integrated Helm-related features to visually add, delete, modify, and query Helm Charts in a specified cluster.	2018-12-26	Helm Application Management
The privilege escalation vulnerability in Kubernetes is fixed.	Tencent Cloud Security Center detected that a severe privilege escalation vulnerability existed in Kubernetes (vulnerability ID: CVE-2018-1002105). This vulnerability has been fixed. Now, TKE can effectively prevent attackers from using the vulnerability to illegally access Kubernetes cluster resources, inducing privilege escalation and initiating malicious requests that ultimately jeopardize the security of the business system.	2018-12-04	[WARNING] Privilege Escalation Vulnerability in Kubernetes
Removes Kubernetes 1.7.8 as an option for creating clusters.	Users can disable the entry for creating clusters of Kubernetes 1.7.8 in the console. To enable this feature, submit a ticket to apply.	2018-12-04	-
pr71415 is merged to fix CVE-2018-1002105.	CVE-2018-1002105 is fixed and backend error responses are processed.	2018-12-04	pr71415

Kubelet disables kmem accounting to avoid kernel cgroup leakage.	Kernel cgroup leakage has an adverse impact on the system. Kubelet disables kmem accounting to avoid kernel cgroup leakage.	2018-12-04	-
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November 2018

Update	Description	Date	Related Documents
The kubelet inotify leakage issue is fixed.	The kubelet inotify leakage problem is fixed.	2018-11-12	-

October 2018

Update	Description	Date	Related Documents
The beta TKE console is launched.	The new TKE console adjusts a series of feature modules to provide you with a native and easy-to-use platform. The new and old consoles are fully compatible in terms of features. Switching consoles will not affect your business. You can use the new console to continue to operate existing clusters.	2018-10-31	Notes on the New Console
Service CLB can be bound to specified nodes.	If your cluster is large, you will need to set affinity for entry-type applications to schedule them to certain nodes. You can configure the Service CLB to be bound only to specified nodes.	2018-10-31	-
Conflicts and Pod creation failures caused by the frequent updates of quota statuses	Previously, if the quota controller frequently updated the quota status, conflicts and even Pod creation failures would occur. This problem has been resolved.	2018-10-22	-

by the quota controller are resolved.			
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September 2018

Update	Description	Date	Related Documents
The default Kubernetes version in TKE is 1.10.	When a new cluster is created, the default Kubernetes version is 1.10. However, you can change the version based on your actual needs.	2018-09-10	Creating Clusters
BM clusters support Kubernetes 1.10.	TKE allows users to create BM clusters with Kubernetes 1.10.	2018-09-10	-
BM clusters support Ubuntu 16.04.	When TKE creates a BM cluster, the default operating system is Ubuntu 16.04.	2018-09-10	-

July 2018

Update	Description	Date	Related Documents
TKE supports the Russia and India regions.	The TKE console supports the Russia and India regions. You can go to the console to switch to and use these regions.	2018-07-30	-
TKE supports private network access to the Master node.	After the private network access entry is enabled, TKE allows private network access to the Master node.	2018-07-30	-
The open source component tencentcloud-cloud-controller-	This component is the Cloud Controller Manager implementation for TKE and allows the following features to be implemented on the Kubernetes clusters built by Tencent Cloud CVMs:	2018-07-30	Open Source Components

manager is released.	<ul style="list-style-type: none"> Updates the relevant addresses information of the Kubernetes nodes. routecontroller: creates routes within pod IP ranges in a VPC. servicecontroller: creates a corresponding CLB when a load balancer-type service is created in a cluster. 		
The open source component kubernetes-csi-tencentcloud is released.	This component is a plug-in for the Tencent Cloud CBS service and complies with CSI standards. It allows users to use CBS on Kubernetes clusters built by Tencent Cloud CVMs.	2018-07-30	Open Source Components
The BM cluster ingress plug-in is released.	ingress-tke-bm is the ingress controller for Tencent Cloud TKE BM clusters. This controller monitors ingress resources, creates BM CLBs, and binds them to the corresponding services.	2018-07-30	-

June 2018

Update	Description	Date	Related Documents
CCS is renamed TKE.	Tencent Kubernetes Engine (TKE) is a highly scalable and high-performance container management service. It allows you to easily run applications on a managed CVM instance cluster.	2018-06-22	Tencent Kubernetes Engine
Cluster autoscaling supports custom configurations.	TKE allows users to customize cluster scaling settings based on their actual needs, making it easier for them to configure businesses flexibly.	2018-06-22	Cluster Scaling
Node initialization supports the import of scripts.	This feature allows users to configure a node using custom data. As long as the script can be re-inputted and has a clear retry pattern, it will be used to configure the node after startup.	2018-06-22	Adding a Node

May 2018

Update	Description	Date	Related Documents
TKE supports BM clusters.	BM container clusters extend Tencent Cloud's CPM, BM Load Balancer, and other Kubernetes plug-ins, providing a complete set of features such as high-efficient deployment and resource scheduling for containerized applications. This helps industries such as gaming and AI easily cope with the challenges of high-performance computing business scenarios.	2018-05-01	-
TKE supports GPU clusters.	If your business involves scenarios such as deep learning and high-performance computing , you can use the GPU feature supported by TKE, which can help you quickly use a GPU container.	2018-05-01	Enabling GPU Scheduling for a Cluster

April 2018

Update	Description	Date	Related Documents
TKE integrates the new Tencent Cloud UI version.	The new Tencent Cloud UI is elegant and easy to use, offering a better container service experience.	2018-04-01	TKE Console
TKE now supports all CVM models.	During cluster creation or node addition, the models available for selection on the TKE console are consistent with those on the CVM platform.	2018-04-01	Creating Clusters

March 2018

Update	Description	Date	Related Documents

TKE supports the auto-scaling of services.	Horizontal Pod Autoscaler (HPA) can automatically scale the number of pods for services according to the average CPU utilization and other metrics of target pods.	2018-03-01	Basic Operations of Automatic Scaling
The TKE console interface is updated.	The feature modules of the TKE console are adjusted.	2018-03-01	-

February 2018

Update	Description	Date	Related Documents
TKE supports the auto-scaling of clusters.	Cluster auto scaling adjusts the number of nodes dynamically according to resource demand: <ul style="list-style-type: none"> If pods become unschedulable due to a lack of resources, the cluster will automatically scale out. If there are enough idle nodes, the cluster will automatically scale in to reduce costs. 	2018-02-08	Cluster Scaling
TKE supports log collection.	This feature allows log files from services or specific node paths to be sent to Kafka, Elasticsearch, or CLS so that users can store and analyze them.	2018-02-06	Log Collection
TKE supports application management.	TKE supports the group management of services via applications, which significantly simplifies service management.	2018-02-06	-

December 2017

Update	Description	Date	Related Documents
Vouchers can be used to purchase cluster nodes.	TKE allows users to use vouchers in their accounts to purchase nodes.	2017-12-20	-

Empty clusters can be created.	This feature allows users to create clusters that do not contain nodes.	2017-12-20	-
Users can set the container directory and the project of the resources when adding existing nodes.	<ul style="list-style-type: none"> Container directory: users can set the directory for storing containers and images. We recommend that they be stored in data disks. Project: newly added resources will be automatically assigned to this project. 	2017-12-20	Adding an Existing Node

November 2017

Update	Description	Date	Related Documents
Cluster reservation policy.	Reserves system process resources such as dockerd and kubelet: when a cluster runs the retention policy, certain resources are reserved to ensure the proper running of system processes such as dockerd and kubelet.	2017-11-30	-
Cluster draining policy.	To ensure that there are sufficient resources for system processes, pods will be drained when necessary.	2017-11-30	Draining or Cordoning a Node
Dockerd log rollback.	Logs are recycled automatically to ensure that there is sufficient disk space: when log files occupy a certain amount of memory, the log rollback feature will be triggered to automatically recycle logs to ensure that there is sufficient disk space.	2017-11-30	-
Ingress forwarding rules support wildcards.	Ingress forwarding rules must comply with both the rules for the public network load balancing domain names and the Kubernetes rules for the Ingress domain names. <ul style="list-style-type: none"> They support regular expressions with a length of 1-80 characters. Other than regular expressions, they also support `a - z, 0 - 9, and -`. 	2017-11-30	-

- For domain names with wildcards, currently, only one `*` can be used in a domain name, such as `*.example.com`.

October 2017

Update	Description	Date	Related Documents
The beta TKE application management feature is launched.	With the rise of micro-service and Devops, users need to deploy and manage multiple services in multiple environments. TKE supports the group management of services via applications , which significantly simplifies service management.	2017-10-31	-
The multi-region deployment of Image Registry supports the new Hong Kong (China) region.	Image Registry is used to store Docker images, which are used to deploy TKE. Each image has a unique ID (the image's repository address + the image name + the image Tag). Image Registry can be deployed in multiple regions, including the Hong Kong (China) region that is now also supported.	2017-10-31	Image Registry Overview
The Tencent Cloud international console supports TKE.	The TKE international console is launched, which helps users solve environmental issues in development, testing, and OPS, reduce costs, and improve efficiency.	2017-10-31	CCS International Console

September 2017

Update	Description	Date	Related Documents
TKE Image Registry integrates access	The address format of a TKE image is as follows: <code>ccr.ccs.tencentyun.com/\${namespace}/\${name}:\${tag}</code> . The following fields are required for configuring the permissions of Image Registry:	2017-09-26	TKE Image Registry Resource-level

permission management.	<ul style="list-style-type: none"> • <code>\${namespace}</code>: the namespace of the image repository. • <code>\${name}</code>: the name of the image repository. 		Permission Settings
TKE supports setting labels for services.	TKE supports setting labels for service pods. When searching services, you can filter them by label.	2017-09-26	-
Configuration items can be imported to environment variables.	When deploying a container in a pod, users can import the configuration items ConfigMap and Secret to environment variables.	2017-09-26	ConfigMap Management
Clusters support the Project attribute.	<ul style="list-style-type: none"> • Clusters are not project-specific, but CVMs, CLBs, and other resources in a cluster are project-specific. • Project: new resources added to the cluster will be allocated to the project. 	2017-09-26	Projects of New Resources
TKE supports the Singapore region.	TKE now supports purchasing resources and deploying businesses in the Singapore region.	2017-09-26	TKE Console

August 2017

Update	Description	Date	Related Documents
TKE integrates the alarm platform.	TKE allows users to set multi-dimensional alarms for clusters to discover cluster exceptions quickly and reduce business risks.	2017-08-23	Setting Alarms
TKE clusters support Kubernetes 1.7.	TKE allows users to create clusters with Kubernetes 1.7.	2017-08-23	-
Continuous integration and deployment based on TencentHub.	TencentHub is a management platform created by Tencent Cloud for storing R&D process files and creating DevOps workflows. TencentHub allows users to quickly and conveniently perform operations such as storage, query, and calls for files generated during the full project cycle.	2017-08-23	TencentHub Product Overview

Image Registry adds the trigger feature.	The Image Registry trigger feature allows users to trigger actions such as service update, webhook, and message push after creating an image. The trigger feature can be combined with continuous integration for continuous deployment.	2017-08-23	Trigger Overview
Image Registry supports operation logs.	Operation logs allow users to view image uploads and download records, which helps troubleshoot problems.	2017-08-23	-
Kubectl is used to operate clusters on public networks.	Kubectl is a CLI tool for Kubernetes cluster operations. You can use Kubectl to connect a local client to a TKE cluster.	2017-08-04	Connecting to a Cluster
TKE clusters integrate access permission management.	Access management is mainly used to help you securely manage and control access to resources under your Tencent Cloud accounts. Using CAM, you can create, manage, and terminate users (or user groups) and manage the use of Tencent Cloud resources through identity management and policies.	2017-08-04	CCS Resource-level Permission API List

July 2017

Update	Description	Date	Related Documents
TKE supports configuration file management.	<ul style="list-style-type: none"> The configuration file management feature can help you manage the configurations of different businesses under different environments. It supports multiple versions and the YAML format. The configuration file supports multiple versions, allowing you to update and roll back applications. It also allows you to quickly import configurations, in the form of files, into containers. 	2017-07-19	-
TKE supports CI	Continuous container integration enables	2017-07-	Image

source code building.	the automatic and manual building of container images on the Tencent TKE Platform.	18	Registry Overview
Image Registry adds TencentHub images.	Image Registry allows users to view and use TencentHub images.	2017-07-18	TencentHub Product Overview
Image Registry adds "My Favorites".	"My Favorites" will display the images bookmarked by users, allowing users to query and use specific images.	2017-07-18	Image Registry Overview
Image Registry supports multiple namespaces.	Image Registry supports the creation of multiple namespaces. The names of namespaces are globally unique. If the namespace name you want to use is already being used by another user, try using another appropriate name.	2017-07-18	Creating a Namespace

June 2017

Update	Description	Date	Related Documents
TKE supports NFS volumes.	NFS volumes are used for the persistent storage of data that is read and written many times. They can also be used in scenarios such as big data analysis, media processing, and content management.	2017-06-24	Volume Management
TKE supports privileged containers and working directory configurations.	<ul style="list-style-type: none"> A privileged container has a certain priority. WorkingDir: specifies the current working directory. If it does not exist, one will be automatically created. If no directory is specified, the default directory when the container runs is used. If workingDir is not specified in the image or through the console, the default workingDir is `.`. 	2017-06-24	-
TKE supports cluster capacity.	A cluster is a collection of cloud resources required for running a container, including	2017-06-07	Cluster Overview

	several CVMs and CLBs. You can run your applications in your cluster.		
TKE supports auto-formatting data disks and specifying container directories while creating/adding CVMs in container clusters.	If the system disk capacity is small or a server with a data disk needs to format the data disk, you can set the storage directory of the containers and images.	2017-06-07	<ul style="list-style-type: none"> • Creating a Cluster • Adding a Node
TKE supports service re-deployment.	Re-deployment means to re-deploy containers under a service and re-fetch images.	2017-06-07	<ul style="list-style-type: none"> • Service Management • Basic Ingress Features

April 2017

Update	Description	Date	Related Documents
TKE supports adding existing CVMs to container clusters.	TKE allows users to add existing CVMs to container clusters, which helps users reuse existing resources and effectively reduce costs.	2017-04-27	Adding an Existing Node
TKE supports the query of monitoring metrics for instances, services, and clusters.	A good monitoring environment ensures the high reliability, high availability, and high performance of Tencent Cloud TKE. You can collect monitoring data in different dimensions for different resources to quickly understand the resource usage situation and easily locate errors.	2017-04-27	Overview of Monitoring and Alarms
TKE supports viewing container logs.	By creating log collection rules, TKE can provide users with log information from within a cluster, making it easier for them to maintain and troubleshoot containers.	2017-04-27	Log Collection

The TKE remote terminal allows you to upload and download files remotely.	<ul style="list-style-type: none"> When uploading files, you need to specify the file directory. When downloading files, you need to specify the file path. 	2017-04-19	Basic Remote Terminal Operations
TKE supports the creation of monthly subscription CVMs to clusters.	Monthly subscription is a prepaid mode that requires customers to pay for CVMs for a period of one or multiple months/years in advance. It is cheaper than the pay-as-you-go mode and is suitable for scenarios where device demands can be predicted in advance.	2017-04-19	Adding a Node
TKE supports custom security groups when creating a cluster.	If the current default security group cannot meet your business requirements, you can refer to Managing Security Group Rules to customize cluster security groups.	2017-04-19	Creating Clusters

March 2017

Update	Description	Date	Related Documents
TKE allows remote web terminals to log in to containers.	Remote terminals help you debug containers quickly and connect to the containers for troubleshooting. It supports file copy, paste, upload, and download operations, and helps solve the problems of long container login paths and difficult debugging.	2017-03-15	Remote Terminal Basic Operations
TKE supports third-party image creation services.	The third-party image creation service helps users deploy applications flexibly based on their actual business needs.	2017-03-15	-
TKE now supports 7-layer load balancing.	An Ingress is a collection of rules that allow access to services within a cluster. You can configure different forwarding rules to allow different URLs to access different services within the cluster.	2017-03-06	Ingress Management

Users can query monitoring information about clusters, services, and pods.	A good monitoring environment ensures the high reliability, high availability, and high performance of Tencent Cloud TKE. You can collect monitoring data in different dimensions for different resources to quickly understand the resource usage situation and easily locate errors.	2017-03-06	Overview of Monitoring and Alarms
TKE supports native Kubernetes APIs, requesting Kubernetes certificates via Tencent Cloud APIs, and all Kubernetes features.	TKE makes it easy for you to build, operate, and manage container clusters by seamlessly utilizing Tencent Cloud computing, networking, storage, monitoring, and security capabilities. You can refer to corresponding examples in the API documentation to perform operations such as adding, deleting, modifying, and querying scaling groups, networks, nodes, and clusters.	2017-03-06	Overview of APIs

December 2016

Update	Description	Date	Related Documents
Cluster management.	Cluster management supports cluster addition, deletion, modification, and query, VPC-based container clusters, cross-AZ clusters, and open-source native Kubernetes APIs.	2016-12-26	Cluster Management
Service management.	Service management supports service addition, deletion, modification, and query, the creation of services via private images and official Docker images, and cross-AZ scheduling of services.	2016-12-26	Service Management
Image management.	Image management supports official Docker images, My Images, uploading and downloading private images, and official Docker image acceleration.	2016-12-26	-
Cluster monitoring and	TKE provides the basic monitoring feature for all clusters by default.	2016-12-26	Viewing Monitoring

container monitoring.			Data
Service creation, event updates, and rolling updates for services.	Rolling updates indicate that pods are updated one by one, which allows you to update the service without interrupting your business.	2016-12-26	-

Elastic Kubernetes Service

Last updated : 2021-02-04 17:01:02

December 2020

Update	Description	Date	Related Documents
Supports spot instance	The spot instance costs are 20% of the original cost, which is expected to reduce business costs by 65%.	2020-12-25	-
Event dashboard was launched.	This feature supports the multi-dimensional statistics of top events, exception events, etc. and supports aggregation search and trend observation.	2020-12-08	Event Dashboard

November 2020

Update	Description	Date	Related Documents
The event storage feature was added.	Users can observe resource change and locate the problem in time.	2020-11-26	Event Storage

August 2020

Update	Description	Date	Related Documents
Pod Event completion	The Pod Event is aligned with the native K8S, making the K8S cluster running events more abundant and locating problems in Pod operation more convenient.	2020-08-15	-

July 2020

Update	Description	Date	Related Documents
Supports binding pods with CAM roles.	Users can bind pods with CAM roles to obtain the permission policies owned by the roles.	2020-07-22	Permission Management
Supports static IP addresses of pods.	The IP addresses of pods can remain unchanged when the StatefulSet/Bare Pod updates its workload.	2020-07-15	-
Supports pod login.	Users can use the console or run <code>kubectl exec -it</code> to remotely log in to a pod.	2020-07-01	-
Supports third-party image repositories.	When creating a workload, users can select images from third-party image repositories and set the image repository access credential.	2020-07-01	-

June 2020

Update	Description	Date	Related Documents
The EKS console provides a command line window for interaction with containers.	This feature improves the user experience and helps you quickly identify issues.	2020-06-30	-
Supports updates of StatefulSets and Pods without changing their IP addresses.	This feature enhances service stability and simplifies service network management.	2020-06-30	-
LoadBalancer	The service IP address supports the IPv6	2020-06-	-

supports IPv6.	network.	30	
EKS supports the purchase of Tencent's self-developed Star Lake servers.	Tencent's self-developed Star Lake servers provide reliable, secure, and stable high performance at low costs.	2020-06-18	Resource Specifications
EKS was fully launched.	EKS is a service mode launched by Tencent Cloud TKE that allows users to deploy workloads without having to purchase nodes.	2020-06-01	Elastic Kubernetes Service

December 2019

Update	Description	Date	Related Documents
Elastic Kubernetes Service (EKS) beta is launched.	EKS allows users to deploy workloads without having to purchase nodes. It is fully compatible with native Kubernetes and supports resource purchase and management in the native mode. Resources are billed based on the amount of resources used by the containers.	2019-12-27	EKS

Tencent Kubernetes Engine for Edge

Last updated : 2021-02-03 11:26:21

December 2020

Update	Description	Date	Related Documents
TKE Edge opens source for SuperEdge.	SuperEdge is an edge container management system based on the native Kubernetes. Tencent Cloud has provided the edge-related source code in the TKE Edge for the SuperEdge open source project.	2020-12-19	SuperEdge GitHub

November 2020

Update	Description	Date	Related Documents
ServiceGroup feature was launched.	You can find ServiceGroup in the cluster details page.	2020-11-27	ECK Overview
The node installation script supports "check" and "clear" parameters.	<ul style="list-style-type: none"> The "check" parameter is convenient for users to use scripts to manually check where the installation requirements are not met in the node environment. The "clear" parameter is convenient for one-click cleaning of dirty data in the node, turning off the firewall, etc. 	2020-11-13	-
Edge DNS solution was launched.	The edge DNS solution will no longer occupy 53 port of the nodes.	2020-11-4	-

October 2020

Update	Description	Date	Related
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			Documents
ECK supports multi-architecture hybrid management.	Users can manage the nodes in both ARM and X86 CPU architectures within a cluster at the same time.	2020-10-28	-
ECK supports edge Pod HPA.	The feature of Edge Pod HPA was launched, while the native Kubernetes HPA feature is also available on the edge.	2020-10-23	Utilizing HPA to Implement Auto Scaling of Business on TKE
Upgraded feature of using script to add node.	Users can use the same script to add self-owned nodes to the cluster multiple times (the script validity is 1 hour), making it convenient to add self-owned nodes in batches.	2020-10-22	-

September 2020

Update	Description	Date	Related Documents
Users can enable edge health feature on the console.	The "Enable Edge Health" switch is added to the basic information page of the edge cluster. Users can enable or disable this feature based on actual needs.	2020-09-28	-
ECK supports ECM security groups.	When purchasing ECM resources on the ECK console, users can select the node security group for security management.	2020-09-24	-
The permission convergence of edge node is launched.	This feature is automatically enabled, and can effectively prevent malicious users from disrupting the normal operation of the system through edge nodes.	2020-09-15	-

August 2020

Update	Description	Date	Related Documents
Edge cluster is available in Beijing region.	Users can create edge clusters in Beijing region.	2020-08-28	Creating a Cluster
The node installation script is optimized.	The node installation script can automatically obtain the default ENI.	2020-08-12	-
The Pod access mode is added.	Pods can access Apiserver in incluster mode.	2020-08-05	-

July 2020

Update	Description	Date	Related Documents
The application market, Helm Chart, and assembly line now support ECK.	Users can create apps directly or with application market, and use assembly line with ECK.	2020-07-06	<ul style="list-style-type: none"> Application Market Application Overview
Users can customize the node initialization script.	<ul style="list-style-type: none"> Node initialization operations include mounting a data disk, creating directories, and so on. The script is run only once during node initialization. 	2020-07-01	-
Users can obtain the metrics of all pods in the cluster via the apiserver.	<ul style="list-style-type: none"> Users can obtain the metrics of all cluster pods in the cluster(if any) by requesting the api-server. In such cases, a monitoring component should be deployed in the cluster. 	2020-07-01	-

June 2020

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Update	Description	Date	Related Documents
ECK supports GPU.	Currently, ECK supports the NVIDIA Tesla (T4, P40, M40, P4, and V100) GPU models.	2020-06-30	-
The ECK image acceleration feature is launched for beta testing.	The launch time of big-image pods is shortened by 30%, and the public traffic consumption for pulling images is reduced to 1/n (n: the number of nodes in the same LAN) of the original traffic consumption.	2020-06-30	-
ECK supports custom parameters.	<ul style="list-style-type: none"> • Supports custom node initialization scripts. • Supports custom container directories. • Supports custom node max-pod. 	2020-06-30	-
ECK supports Kubernetes v1.18.2.	Supports the creation of Kubernetes v1.18.2 clusters.	2020-06-01	Creating Edge Clusters

March 2020

Update	Description	Date	Related Documents
ECK is launched.	ECK is a container system that manages edge cloud resources from the central cloud. You can use it to manage distributed nodes in the same cluster across multiple regions. ECK is fully compatible with native Kubernetes, supports one-click app delivery, and comes with edge autonomy and distributed health checks.	2020-03-25	Edge Cloud Kubernetes Engine