Alibaba Cloud
Object Storage Service

Release Notes

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Document conventions

Style	Description	Example
	A danger notice indicates a situation that will cause major system changes, faults, physical injuries, and other adverse results.	**Danger:** **Resetting will result in the loss of user configuration data.**
	A warning notice indicates a situation that may cause major system changes, faults, physical injuries, and other adverse results.	**Warning:** **Restarting will cause business interruption. About 10 minutes are required to restart an instance.**
	A caution notice indicates warning information, supplementary instructions, and other content that the user must understand.	**Notice:** **If the weight is set to 0, the server no longer receives new requests.**
	A note indicates supplemental instructions, best practices, tips , and other content.	**Note:** **You can use Ctrl + A to select all files.**
>	Closing angle brackets are used to indicate a multi-level menu cascade.	Click **Settings** > **Network** > **Set network type.**
Bold	Bold formatting is used for buttons, menus, page names, and other UI elements.	Click **OK.**
`Courier font`	Courier font is used for commands.	Run the `cd /d C:/window` command to enter the Windows system folder.
Italic	Italic formatting is used for parameters and variables.	`bae log list --instanceid` *Instance_ID*
[] or [a|b]	This format is used for an optional value, where only one item can be selected.	`ipconfig` *[-all|-t]*

Style	Description	Example
{} or {a|b}	**This format is used for a required value, where only one item can be selected.**	`switch {active|stand}`

Contents

1 Release notes

This topic describes the release notes of OSS features.

Feature	Description	Release date	Supported region	Documentation
Increase of the maximum number of buckets that can be created to 100	**The maximum number of buckets that can be created by an Alibaba Cloud account within a region is increased to 100.**	**December 13 , 2019**	**All**	*#unique_4*

Feature	Description	Release date	Supported region	Documentation
Versioning	When versioning is enabled for a bucket, data that is overwritten or deleted is saved as a previous version of an object. Versioning allows you to restore objects in a bucket to any previous point in time, and protects your data from being accidentally overwritten or deleted.	November 15, 2019	China (Qingdao), China (Beijing), India (Mumbai), Malaysia (Kuala Lumpur), Australia (Sydney), Germany (Frankfurt), Singapore, UK (London), US (Silicon Valley)	#unique_5

Feature	Description	Release date	Supported region	Documentation
Transfer acceleration	OSS uses data centers distributed around the globe to implement transfer acceleration. When a data transfer request is sent, it is resolved and routed over an optimal network path and protocol to the data center where your bucket resides. Transfer acceleration improves customer experience and reduces the time needed for business to deliver services to their customers.	September 10, 2019	All regions except China (Heyuan) and UAE (Dubai)	#unique_6

Feature	Description	Release date	Supported region	Documentation
Zone-redundant storage (ZRS)	OSS uses the multi-zone mechanism to distribute user data across three zones within the same region. Even if one zone becomes unavailable, the data can still be accessible. This feature can provide data durability of 99.9999999999% (twelve 9's) and service availability of 99.995%.	September 9, 2019 (available for commercial use)	China (Shenzhen), China (Beijing), China (Hangzhou), China (Shanghai), and Singapore	*#unique_7*
Bucket tagging	OSS allows you to configure bucket tagging to classify and manage buckets. For example, you can configure this feature to list only buckets that have specific tags.	August 29, 2019	All	*#unique_8*

Feature	Description	Release date	Supported region	Documentation
Object tagging	OSS allows you to configure object tagging to classify objects. You can configure lifecycle rules and ACLs for objects based on tags.	August 29, 2019	All	*#unique_9*
Single-connection bandwidth throttling	OSS allows you to configure bandwidth throttling for upload, download, and copy operations in OSS to ensure sufficient bandwidth for other applications.	August 17, 2019	All	*#unique_10*
Cross-region replication (CRR)	This feature is available in the China (Hong Kong) region and overseas regions. For more information, see *#unique_11/ unique_11_Connect_42_section_214_2bn_k4o*.	August 15, 2019	All regions except UAE (Dubai)	*#unique_11*

Feature	Description	Release date	Supported region	Documentation
Server-side encryption	**OSS supports server-side encryption for uploaded data. When you upload data, OSS encrypts the data before storing it. When you download data, OSS decrypts the data and returns the original data. The returned HTTP request header declares that the data has been encrypted on the server.**	**June 18, 2019**	**All**	*#unique_12*

Feature	Description	Release date	Supported region	Documentation
ossutil 1.6.10	This feature allows you to use command lines to manage OSS data, and also provides a variety of convenient and simple commands to manage buckets and objects. ossutil supports the following operating systems: Windows, Linux, and macOS.	January 8, 2020	All	*ossutil*

Feature	Description	Release date	Supported region	Documentation
Bucket policy	This feature is a resource-based authorization policy. It allows you to perform configurations by using the graphical interface of the console. The bucket owner can grant other users access permissions on OSS resources.	January 21, 2019	All	*#unique_14*
Real-time log query	Real-time log query integrates OSS with Log Service. This feature allows you to query and collect statistics on OSS access logs, audit access to OSS, track exception events, and troubleshoot problems in the OSS console.	December 26, 2018	All regions except China (Heyuan)	*#unique_15*

Feature	Description	Release date	Supported region	Documentation
Configuration or modification of object storage classes	**When you upload an object, you can set the storage class of the object to Standard, Infrequent Access (IA), or Archive. The configuration of the storage class takes effect in real time.** **You can call CopyObject to convert the storage class of the object as required. After the storage class is converted, it takes several seconds, up from several days, for the conversion to take effect.**	**November 10, 2018**	**All**	• *#unique_16* • *#unique_17* • *#unique_18*

Feature	Description	Release date	Supported region	Documentation
Terraform	**OSS releases the Terraform module to manage the infrastructure of multiple versions. This feature allows you to use code to create buckets and manage objects.**	**November 7, 2018**	**All**	· *#unique_19* · *#unique_20*
Server-side encryption through KMS	**This feature allows you to use CMKs hosted in KMS to implement server-side encryption for objects.**	**October 20, 2018**	**All**	*#unique_21*

Feature	Description	Release date	Supported region	Documentation
OSS Select	This feature allows you to use simple SQL statements to select content from an object in OSS to obtain only required data. OSS Select reduces the amount of data transmitted from OSS to improve the data retrieval efficiency.	September 28, 2018	All	*#unique_22*
Compliant retention policy	OSS uses the compliant retention policy (Write Once Read Many) to specify the protection period of objects in a bucket. No one can modify or delete a protected object during the protection period.	September 28, 2018	China (Shanghai), China (Shenzhen), and Singapore	· *#unique_23* · *#unique_24*

Feature	Description	Release date	Supported region	Documentation
Zone-redundant storage	OSS uses the multi-zone mechanism to distribute user data across three zones within the same region. Even if one zone becomes unavailable, the data can still be accessible. This feature can provide data durability of 99.9999999999% (twelve 9's) and service availability of 99.995%.	September 28, 2018 (public preview)	China (Shenzhen), China (Beijing), China (Hangzhou), China (Shanghai), and Singapore	*Zone-redundant storage (ZRS)*

Feature	Description	Release date	Supported region	Documentation
Pay-by-requester	When pay-by-requester is enabled for a bucket in Alibaba Cloud OSS, the requester pays the cost of requests and traffic instead of the bucket owner. The bucket owner always pays the cost for storing data.	September 27, 2018	All	#unique_25
Server-side encryption through KMS (SSE-KMS)	This feature allows you to use CMKs hosted in KMS for server-side encryption. You can specify a CMK ID to implement the BYOK feature.	August 14, 2018	All	#unique_21

Feature	Description	Release date	Supported region	Documentation
Python SDK -compatible client-side encryption	**This feature allows you to encrypt data on the client before the data is uploaded to OSS. In this scenario , you must manage the encryption process and encryption key.**	**June 5, 2018**	**All**	*#unique_26*
Decrease of the unit price for the Standard storage class	**The unit price of the Standard storage class is reduced to CNY 0.12 /GB/month in mainland China regions , a decrease of 18.9%.**	**June 2, 2018**	**Mainland China regions**	*Object Storage Service Pricing*
Combination of OSS with Data Lake Analytics	**This feature allows you to use the serverless architecture to implement interactive queries and analysis of data in OSS through the Data Lake Analytics console.**	**May 31, 2018**	**All**	*Quickly analyze data in OSS*

Feature	Description	Release date	Supported region	Documentation
OSS Browser .js SDK- and Node.js SDK -compatible resumable upload	**OSS allows you to use resumable upload to split an object into several parts and upload them simultaneo usly. After all parts are uploaded , you can combine the uploaded parts into a complete object. Thus , you can complete uploading the entire object.**	**March 7, 2018**	**All**	· **Node.js. SDK:***#unique_27/ unique_27_Connect_42_section_snl_fx* · **Browser.js SDK:***#unique_27/ unique_27_Connect_42_section_snl_fx*
SSL certificat e upload	**This feature allows you to upload an SSL certificat e for your custom domain name and access the custom domain name over HTTPS.**	**March 5, 2018**	**All**	· *#unique_28* · *#unique_29*

Feature	Description	Release date	Supported region	Documentation
OSS iOS SDK -compatible Swift calling	**This feature allows you to use Swift to develop mobile apps to call the OSS iOS SDK.**	**January 18, 2018**	**All**	*OSSSwiftDemo*
iOS SDK 2.8- and Android SDK 2.5- compatible CRC-64	**After CRC-64 is enabled and an object is uploaded or downloaded , the system checks whether the calculated CRC-64 value is the same as the CRC-64 value of source data to ensure the integrity of the transmitted data.**	**December 21 , 2017**	**All**	· **Android SDK:***#unique_30* · **iOS SDK:***#unique_31*
ossimport	**Alibaba Cloud OSS allows you to use this tool to migrate data to OSS buckets.**	**October 23, 2017**	**All**	· *#unique_32* · *#unique_33*

Feature	Description	Release date	Supported region	Documentation
Cross-region replication (CRR)	This feature is used to automatically and asynchronously copy objects across buckets in different OSS regions. Any changes (creation, overwriting, and deletion) to objects in the source bucket are synchronized to the destination bucket.	September 15 , 2017	Mainland China regions , US (Virginia), and US (Silicon Valley)	*#unique_34*
Decrease of the unit price for the Archive storage class	The unit price of the Archive storage class is reduced by 45%. The minimum storage period for the object of this storage class is changed to 60 days.	July 21, 2017	All	• *#unique_35* • *#unique_36*

Feature	Description	Release date	Supported region	Documentation
Official release of the new version OSS console	· **Web page layouts and the navigation system are optimized.** · **The capability of aggregating information on the Overview page is improved.** · **The configuration and management of buckets and objects are upgraded.**	**July 1, 2017**	**All**	*#unique_37*
Increase of the maximum number of buckets that can be created to 30	**The maximum number of buckets that can be created by an Alibaba Cloud account within a region is increased to 30.**	**April 24, 2017**	**All**	· *#unique_4* · *#unique_38*

Feature	Description	Release date	Supported region	Documentation
iOS SDK 2.6.0	IOS SDK 2.6.0 supports the latest HTTPS request access specifications of App Store.	December 16 , 2016	All	*#unique_39*
Part management	You can configure lifecycle rules to periodical ly clear unnecessary parts.	March 10, 2016	All	*#unique_40*
Media-C SDK	The OSS Media-C SDK is officially released . Data is encrypted on your camera device before you call the OSS Media -C SDK to upload data.	March 6, 2016	All	*#unique_41*

Feature	Description	Release date	Supported region	Documentation
Back-to -origin configurat ions	After you configure back-to- origin rules, OSS retrieves requested data from the origin in multiple ways to meet your requiremen ts such as data online migration and specific request redirection.	January 14, 2016	All	#unique_42
Ruby SDK	The OSS Ruby SDK is officially released.	November 26 , 2015	All	#unique_43
Image Processing (IMG)	By default , IMG is enabled for a bucket.	November 10 , 2015	All	#unique_44
Append upload	This feature allows you to append content to appendable objects that have been uploaded.	July 18, 2015	All	#unique_45

Feature	Description	Release date	Supported region	Documentation
App server callback after object uploads	OSS allows you to build an OSS-based direct data transfer service for mobile apps and configure upload callback.	July 8, 2015	All	#unique_46
Access to RAM	This feature allows you to grant permissions to RAM users through RAM and STS.	April 26, 2015	All	#unique_47
Lifecycle	OSS allows you to call PutBucketLifecycle to configure lifecycle rules to minimize costs. This way, expired objects and parts can be automatically deleted. You can configure lifecycle rules to convert the storage class of objects that will expire soon to IA or Archive.	October 20, 2014	All	#unique_48

Feature	Description	Release date	Supported region	Documentation
Cross-origin resource sharing (CORS)	CORS is a standard cross-origin solution supported by HTML5 . OSS uses the CORS standard for cross-origin access.	March 15, 2014	All	*#unique_49*
Form upload	OSS allows you to use PostObject to upload an object no larger than 5 GB.	February 12, 2014	All	*#unique_50*

Feature	Description	Release date	Supported region	Documentation
Server-side encryption	OSS allows you to encrypt uploaded data on the server. When you upload data, OSS encrypts the data before storing it. When you download data, OSS decrypts the data and returns the original data. The returned HTTP request header declares that the data has been encrypted on the server.	November 4, 2012	All	*#unique_21*

Feature	Description	Release date	Supported region	Documentation
CNAME	To make an object accessible through a custom domain name, you must bind the custom domain name to the bucket where the object is stored and add a CNAME record. The CNAME record maps the custom domain name to the public endpoint of the bucket.	September 4, 2012	All	*#unique_51*

Feature	Description	Release date	Supported region	Documentation
Logging	A large number of log entries are generated when OSS resources are accessed . After you enable and configure logging for a bucket, OSS generates an object based on the predefined naming conventions. This way, access logs that are generated on an hourly basis are written to the specified bucket as objects.	August 9, 2012	All	*#unique_52*

Feature	Description	Release date	Supported region	Documentation
Static website hosting	OSS allows you to use PutBucketWebsite to set your bucket to the static website hosting mode and access the static website through the domain name of the bucket.	June 20, 2012	All	*#unique_53*
Multipart upload	By using multipart upload and resumable upload provided by OSS, you can split an object into multiple data blocks (parts) and upload them separately. After uploading all object parts, you can call an API operation to combine them into a complete object.	March 29, 2012	All	*#unique_54*

Feature	Description	Release date	Supported region	Documentation
Object copy	You can copy objects from a bucket to another bucket without modifying the object content.	December 16 , 2011	All	#unique_55
Hotlink protection	OSS allows you to use PutBucketR eferer to set the Referer whitelist to prevent unauthorized users from accessing OSS data.	December 16 , 2011	All	#unique_56
HTTP header	This feature allows you to set HTTP headers to customize HTTP request policies, such as the cache policy and forced file download policy.	December 16 , 2011	All	#unique_57
Officially release of OSS	Alibaba Cloud OSS is available for commercial use.	October 22, 2011	All	#unique_58