

Object Storage Service

Tool Guide (OBS Browser+) (Ankara Region)

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1 Introduction

OBS Browser+ is a GUI-based desktop application that is intuitive and easy to use. It allows you to comprehensively manage OBS buckets and objects from your local end. For example, you can create buckets, and upload and download objects on OBS Browser+.

OBS Browser+ is applicable to Windows 10, Mac OSs, and Windows Server 2016. [Table 1-1](#) lists the specifications required by each OS.

Table 1-1 PC specifications required by OBS Browser+

Item	Specification	Remarks
OS	<ul style="list-style-type: none">Windows 10 Pro 64-bitWindows Server 2016 standard 64-bitMac OS X10.13.3	Linux OSs are not supported. Windows 10 or later Windows OS releases are recommended.
CPU	<ul style="list-style-type: none">Minimum: 2-core 1.6 GHzStandard: 2-core 2.4 GHz	Arm-based chips are not supported.
Memory	<ul style="list-style-type: none">Minimum: 4 GBStandard: 8 GBAvailable memory: ≥ 512 MB	-
Required space for installation	≥ 512 MB	Hard drive space required for installing OBS Browser+
Available space of the data drive	≥ 3 GB	Hard drive space for storing data files of the OBS Browser+ database

2 OBS Browser+ Function Overview

Table 2-1 lists the functions supported by OBS Browser+.

Table 2-1 OBS Browser+ supported functions

Function	Description
Basic operations on buckets	Creating buckets in a specified region, listing buckets, querying basic bucket information, configuring bucket ACLs, managing fragments in buckets, deleting buckets, and others
Basic operations on objects in buckets	Creating folders, uploading objects, listing objects, downloading objects, deleting objects, and more <ul style="list-style-type: none">• Batch upload, download, deletion, copy, and move of objects• Upload by dragging
External bucket management	Managing buckets shared by other accounts <ul style="list-style-type: none">• Adding an external bucket to OBS Browser+, or removing the added bucket• Uploading objects to or downloading objects from external buckets
System settings	Settings of OBS Browser+ parameters, which include: <ul style="list-style-type: none">• Maximum number of concurrent tasks: 1–50• Part size in a multipart upload: 9–5120 MB• Proxy configuration

Function	Description
Task management	<p>Listing statuses of all tasks, pausing, deleting, running, and searching for tasks</p> <ul style="list-style-type: none">• Viewing real-time running statuses (progress, time) of tasks• Pausing, deleting, or retrying a batch of tasks• Searching for completed and failed tasks by types• Automatic retry of failed tasks
Account management	<p>Login, logout, and login with access keys</p> <ul style="list-style-type: none">• Keeping a maximum of 100 accounts login information by default• Clearing and querying login history
Auxiliary functions	<ul style="list-style-type: none">• Favorites folder available for you to save frequently used paths (a maximum of 100 paths by default)• Shortcut menus available for bucket and object lists, helping you quickly find the desired operation

3 Downloading OBS Browser+

To download OBS Browser+, you can click the OBS Browser+ package link on the homepage of OBS Console.

4 Installing OBS Browser+

Procedure

- Step 1** Click the download link of [OBS Browser+](#) to download the tool.
 - Step 2** Decompress the downloaded software package.
 - Step 3** Run the **obs-browser-plus Setup xxx.exe** file to install OBS Browser+.
 - Step 4** Double-click **obs-browser-plus** on the **Start** menu or the desktop shortcut to run OBS Browser+.
- End

5 Logging In to OBS Browser+

OBS Browser+ supports login using a permanent AK.

 **NOTE**

1. If a proxy is required for access, choose **More > Settings > Network** on the login page to configure the proxy before login.
2. OBS Browser+ does not support login using a temporary AK/SK pair and a security token.

Permanent AK Login

In AK-based login mode, access keys (AK and SK) are used for login authentication. You need to enter the AK and SK for login.

Table 5-1 Login parameters

Parameter	Mandatory (Yes/No)	Description
Account Name	Yes	Account names are used to differentiate login accounts of OBS Browser+, which do not have to be the same as your cloud service account.
Server Address	Yes	Enter an endpoint: TR-Ankara-PUR: obs.tr-central-201.hc.vodafone.com.tr

Parameter	Mandatory (Yes/No)	Description
Access Key ID & Secret Access Key	Yes	AK login leverages the access key authentication mechanism of IAM. You can click Obtain Access Keys on the login page to jump to the IAM console and create access keys. More information about access keys (AK and SK) is provided as follows: <ul style="list-style-type: none">• An access key ID (AK) defines a user that accesses the OBS system. An AK belongs to only one user, but one user can have multiple AKs. OBS identifies users through access key IDs.• A secret access key (SK) is the key used by users to access OBS. It is the authentication information generated based on the AK and the request header. An SK matches an AK, and they group into a pair.
Access Path	No	You can enter a frequently used path in the text box, so that you will be directed to the path upon login. Example: obs://bucketName/folder01/
Remember my access keys	No	If you select this option, the access keys (both AK and SK) are saved. You do not need to enter the access keys upon next login. To avoid account information leakage, deselect this option on a temporary computer.

 **NOTE**

- OBS Browser+ can keep the login information of up to 100 accounts.
- If a proxy is required to access your network environment, configure the network proxy before login.

6 FAQs

6.1 Where Can I Obtain Access Keys (AK and SK)?

When using OBS Browser+ to access OBS, you need to use the AK and SK for authentication. To obtain the AK and SK, perform the following steps:

- Step 1** Log in to the console.
- Step 2** Click the login username in the upper right corner and choose **My Credentials** from the drop-down list.
- Step 3** Choose **Access Keys**.
- Step 4** Click **Create Access Key**.
- Step 5** Enter an access key description (optional) and click **OK**.
- Step 6** Enter the verification code sent to your mobile phone, virtual MFA device, or email, and click **OK**.

 **NOTE**

This step is required only when you have enabled operation protection.

- Step 7** Click **Download** to obtain the access key file.

 **NOTE**

Keep AKs and SKs properly to prevent information leakage.

----End

6.2 Can I Install Two OBS Browser+ Tools from Different Sites in One System?

No. You can install only one OBS Browser+ tool in a system, because OBS Browser+ available at different site provides different functions.

6.3 Why Does the Task Processing Speed Slow After the Number of Tasks Exceeds a Million?

If the number of tasks in OBS Browser+ reaches a million or above, the system will spend more time in searching among massive amounts of tasks, which adds load to your device. In this case, clear historical task records to improve performance.

6.4 Why Are the Displayed Number of Objects and Used Storage Capacity Different from the Actual Number of Objects and Storage Capacity?

The statistics displayed on OBS Browser+ are not real-time statistics, which is for reference only.

6.5 How Can I Locate Common Network Errors?

Accessing OBS using OBS Browser+ is usually affected by your network quality. If there are network fluctuations, your access may time out or your upload/download will fail. If such faults occur, an error message will be displayed in the upper right corner or on the task management page. You can also view log files **basic.log** and **obsjdk.log** to check whether the network is abnormal. To obtain the log path, choose **Settings** > **Basic Configurations** > **Log Path**. Common errors include **connect ETIMEDOUT** and **premature end of Content-Length delimiter message body (expected: xxxxx, actual:xxxxxx)**.

Solutions:

1. Ping the bucket domain name (*bucketName.domain name*) to check the network connectivity. If the network is disconnected, rectify your local network first.
2. If the network is normal, but basic operations such as listing and bucket creation occasionally time out, it may be caused by network fluctuations. In this case, try your operation again.
3. **premature end of Content-Length delimiter message body (expected: xxxxx, actual:xxxxxx)** is a common error during upload and download operations, because there are occasional network fluctuations. OBS Browser+ supports resumable transfer, so you can retry the upload and download tasks that fail due to network errors. If upload and download tasks fail frequently due to network errors, reduce the value of **Max. Number of Concurrent Tasks**.

NOTE

- If you want to further analyze the cause of upload or download failures, capture packets on OBS Browser+ to check whether there is packet loss or other network problems on the entire network link. To capture packets on OBS Browser+, you are advised to select **Other object storage services** for **Service** during the login and manually specify an endpoint starting with **http://**, because network packets will be encrypted for transmission if the HTTPS protocol is used.

6.6 How Can I Permanently Share Files or Folders with Other Users?

You can use OBS Browser+ to share files or folders with other users through URLs. These URLs are valid for only a certain period. Once they expire, files or folders will not be accessed. If you want to share a file permanently, configure this file to be accessible from anonymous users, so anonymous users can access the file through the URL you shared. To share a folder permanently, configure a bucket policy that makes the objects prefixed with a certain folder readable for the public, so anonymous users can access all objects under that folder.

6.7 How Can I Access a Specific Bucket or Directory?

In some scenarios, when you try to log in to OBS Browser+ using access keys (AK and SK) that have only the permission to access a specific bucket or a specific directory in a bucket, the login will fail because of the lack of listing and other permissions. To address this issue, you can specify an access path (in the **obs://bucketName/folder** format) on the login page.

6.8 Can I Cancel the Directory Sharing After a Directory Has Been Shared with Others?

No. URLs for sharing objects or directories through OBS Browser+ have a validity period. During the validity period, the sharing cannot be canceled. Therefore, exercise caution when selecting a URL validity period and when selecting the objects or directories you want to share.

6.9 Can OBS Browser+ List Objects with Special Characters in Their Names?

No. You can use OBS SDKs to list such objects.

7 Uninstalling OBS Browser+

On the Windows **Start** menu, choose **Control Panel > Programs > Programs and Features**. Locate and right-click **obs-browser-plus xxx**, choose **Uninstall**, and uninstall the software as instructed.

8 Change History

Released On	Description
2024-04-15	This is the first official release.