

1. SAS (Shared Access Signature) 방식

1) Generate SAS (Shared Access Signature) for Container

The screenshot shows the Azure portal interface for a storage account named 'datatrainingstorage'. The left sidebar lists various services, with 'Containers' selected under 'Data storage'. The main pane displays a table of containers:

Name	Last modified	Anonymous access level	Lease state
<input type="checkbox"/> \$logs	28.10.2023, 02:46:34	Private	Available
<input checked="" type="checkbox"/> shareddata	28.10.2023, 02:47:19	Private	Available

A context menu is open for the 'shareddata' container, showing options like 'Container properties', 'Generate SAS', 'Manage ACL', 'Access policy', 'Acquire lease', 'Break lease', 'Change access level', 'Edit metadata', and 'Delete'. The 'Generate SAS' option is highlighted.

The 'Generate SAS' dialog box is open, showing the following configuration:

- Signing method:** ☒ Account key ☐ User delegation key
- Signing key:** Key 1
- Stored access policy:** None
- Permissions:** Read
- Start and expiry date/time:**
 - Start:** 11/01/2023 11:39:03 (UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna
 - Expiry:** 11/01/2023 19:39:03 (UTC+01:00) Amsterdam, Berlin, Bern, Rome, Stockholm, Vienna
- Allowed IP addresses:** for example, 168.1.5.65 or 168.1.5.65-168.1....
- Allowed protocols:** ☒ HTTPS only ☐ HTTPS and HTTP

The 'Generate SAS token and URL' button is clicked, resulting in the following output:

Blob SAS token: `sp=r&st=2023-11-01T10:39:03Z&se=2023-11-01T18:39:03Z&spr=https&sv=2022-11-...`

Blob SAS URL: `https://datatrainingstorage.blob.core.windows.net/shareddata?sp=r&st=2023-11-01T10:3...`

- 2) Connect to Azure Storage → ADLS Gen2 container or directory → Shared access signature URL → Copy the SAS into the Blank (Blob container or directory SAS URL:) → Blob SAS URL 붙여넣기

The screenshot shows the 'Microsoft Azure Storage Explorer' application window. The 'Connect to Azure Storage' dialog box is open, displaying the 'Enter Connection Info' step. The dialog has a title bar with a close button (X) and a menu bar with 'File', 'Edit', 'View', and 'Help'. On the left side of the dialog, there is a vertical sidebar with icons for 'Select Resource', 'Select Connection Method', and 'Enter Connection Info' (which is currently selected). The main area of the dialog shows a progress bar with four steps: 'Select Resource', 'Select Connection Method', 'Enter Connection Info', and 'Summary'. Below the progress bar, there are two input fields: 'Display name:' and 'Blob container or directory SAS URL:'. The 'Display name:' field is empty. The 'Blob container or directory SAS URL:' field is also empty. At the bottom right of the dialog, there are three buttons: 'Back', 'Next', and 'Cancel'.

Microsoft Azure Storage Explorer

File Edit View Help

Connect to Azure Storage

Enter Connection Info

Select Resource > Select Connection Method > **Enter Connection Info** > Summary

Display name:

Blob container or directory SAS URL:

Back Next Cancel

2. Blob SAS token can be used as well to share any file via web. (Power Bi, Excel, Airtable 또는 메일 등에서 유용함)

<https://<Storage account>.blob.core.windows.net/<container/folder/file>?<Blob SAS token>>

예시)

Python Coding

```
1 Storage_account = 'datatrain'
2 path = "data/excel_data/customer_thismonth.xlsx"
3 Blob_SAS_token = 'sp=r&st=2023-11-01T10:39:03Z&se=2023-11-01T18:39:03Z&spr=https&sv=2022-11-02&sr=c&sig=dziegn6QJyeLx8EsojAQz%2Fc6KSpb1tA88zNjbk7J6Eo%3D'
4
5 df['URL'] = 'https://' + <Storage_account> + ".blob.core.windows.net/" + <path> + "?" + <Blob_SAS_token>
```