

GCS Document Listing API Specification

This API is a simple, read-only endpoint hosted on Google Cloud Run for retrieving public file metadata and direct download links from the `philhealth_transparency` Google Cloud Storage (GCS) bucket, filtered by a specific folder path (prefix).

1. Service Base URL

The base URL for the deployed Cloud Run service must be provided by the DevOps team or copied from the Cloud Run console.

Example Base URL: `https://philhealth-document-api-623960795683.us-central1.run.app`

2. Endpoint Details

Detail	Value
Method	GET
Endpoint Path	<code>/files/{prefix}</code>
Full Structure	<code>{BASE_URL}/files/{GCS_FOLDER_PATH}</code>

3. Request Parameter

The folder path is passed as a **path parameter** named `prefix`.

Parameter	Type	Required	Description
<code>prefix</code>	string	Yes	The directory path (prefix) within the GCS bucket. This must include any folder names and trailing slash if targeting the folder contents.

Example Requests (The frontend MUST URL-encode the path):

GCS Folder Path	Encoded Request Path
<code>Annual Reports/</code>	<code>/files/Annual%20Reports/</code>
<code>Financial Information/2024/</code>	<code>/files/Financial%20Information/2024/</code>

4. Successful Response (Status 200 OK)

The API returns a JSON object containing metadata about the request and a list of files found under the given prefix.

Example Response Body (JSON):

```
{
  "bucket": "philhealth_transparency",
  "prefix": "Annual Reports/",
  "file_count": 22,
  "files": [
    {
      "name": "Annual Reports/ar2003.pdf",
      "size_bytes": 9085668,
      "updated_time": "2025-10-28T04:03:57.127000+00:00",
      "download_url": "[https://storage.googleapis.com/philhealth_transparency/Annual%2
    },
    // ... more files
  ]
}
```

Field Name	Type	Description
bucket	string	The GCS bucket name used for the lookup.
prefix	string	The prefix that was used in the request.
file_count	integer	The number of files found.
files	array	A list of file objects.
files[].name	string	The full GCS path/name of the file (e.g., folder/filename.pdf).
files[].size_bytes	integer	Size of the file in bytes.
files[].updated_time	string	ISO 8601 timestamp of the last modification.
files[].download_url	string	Direct public link to the file. The frontend can use this link to download the document.

5. Error Responses

Status Code	Detail Field	Cause
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400 Bad Request	"Prefix parameter is required."	The prefix path parameter was empty.
500 Internal Error	"Internal server error..."	An unexpected error occurred on the server while trying to access GCS.