

# Grain Personal API

 [grainhq.notion.site/Grain-Personal-API-877184aa82b54c77a875083c1b560de9](https://grainhq.notion.site/Grain-Personal-API-877184aa82b54c77a875083c1b560de9)

The Grain Public API is still in beta. Developer access is limited to select partners. Please reach out to support for more questions.

Grain supports two methods for authentication: OAuth2 for developers building 3rd-party integrations and Personal Access Tokens (currently limited to Enterprise tier) for internal workspace usage. Personal Access Tokens can be obtained [here](#) for users with sufficient access.

This authentication method is for developers building integrations with Grain to be used by any Grain users. The API supports a standard OAuth2 Authorization Code flow, including the PKCE extension for client-side only authentication. A redirect URI prefix is required to register a new client. For browser-based client applications, a list of CORS origins can also be added.

1) Obtain the `client_id` and `client_secret` (only for server-side applications) credentials.

2) Open the url `https://grain.com/_/public-api/oauth2/authorize` with the following query params:

`client_id`

`redirect_uri` - must be prefixed by the registered redirect URI prefix.

`response_type` - must be `code`.

`code_challenge` - only required for client-side applications. A random string hashed with SHA256 and base64 URL encoded.

`code_challenge_method` - only required for client-side applications. Must be `S256`.

3) If the user is not already signed in to Grain, they will be prompted to sign in.

4) Once signed in, the user will be redirected to `redirect_uri` from step 2 with the `code` query param.

5) Make a POST request to `https://api.grain.com/_/public-api/oauth2/token` with the following params:

`grant_type` - must be `authorization_code`

`client_id`

`code`

`client_secret` - only required for server-side applications

`code_verifier` - only required for client-side applications. The original string used to generate the `code_challenge` in step 2.

6) The server will respond with a JSON body:

JavaScript

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```
{"access_token":"XXX"}
```

To authenticate API calls, the client must add the following header:

JavaScript

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Authorization: Bearer XXX

where XXX is the access token obtained in the OAuth2 flow above or the Personal Access Token obtained in the Grain app.

API Domain is: `https://api.grain.com`.

Example response:

JavaScript

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```
{"name":"Andy Arbol","id":"aea95745-99e9-4609-8623-c9efa2926b82"}
```

Params:

`cursor` - used to paginate through the list

include\_highlights - set to true to include a recording's highlights in the response.

include\_participants - set to true to include a recording's participants in the response.

include\_calendar\_id - set to true to get an iCal UUID associated with the recording if one exists

attendance

hosted - only return recordings where the user was the meeting host

attended - only return recordings where the user attended the meeting

Example response:

JavaScript

Copy

```
{
  "cursor": "",
  "recordings": [
    {
      "id": "b5185ccb-9a08-458c-9be1-db17a03fb14c",
      "title": "Sample Recording",
      "url": "https://grain.com/recordings/b5185ccb-9a08-458c-9be1-db17a03fb14c/Kz5t1kAyPtt78hcxbsOJHJzFiPpZmUIeDVFXWzP0",
      "start_datetime": "2021-07-29T23:13:17Z",
      "end_datetime": "2021-07-29T23:16:18Z",
      "public_thumbnail_url": ""
    }
  ]
}
```

Params:

include\_highlights - set to true to include a recording's highlights in the response (default false).

include\_participants - set to true to include a recording's participants in the response (default true).

include\_owners - set to true to include the recording's owner emails in the response (default true).

include\_calendar\_id - set to true to get an iCal UUID associated with the recording if one exists (default false).

transcript\_format (default )

json - to return the transcript as nested JSON under the transcript\_json key.

vtt - to return a URL to the transcript VTT under the transcript\_vtt key.

intelligence\_notes\_format (default )

json - to return notes as nested JSON objects under the intelligence\_notes\_json key.

md - to return notes as a markdown string under the intelligence\_notes\_md key.

text - to return notes as a formatted string under the intelligence\_notes\_text key.

allowed\_intelligence\_notes - whitelist of intelligence notes section titles to return in the intelligence\_notes\_\* fields, or an empty list to return all sections (default []).

Example response:

JavaScript

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```
{
  "id": "b5185ccb-9a08-458c-9be1-db17a03fb14c",
  "title": "Sample Recording",
  "url": "https://grain.com/recordings/b5185ccb-9a08-458c-9be1-db17a03fb14c/Kz5t1kAyPtt78hcxbsOJHJzFiPpZmUIeDVFXWzP0",
  "participants": [
    {
      "email": "bob@example.com",
      "name": "Bob Example",
      "scope": "external"
    }
  ],
  "owners": [
    "alice@example.com"
  ],
  "start_datetime": "2021-07-29T23:13:17Z",
  "end_datetime": "2021-07-29T23:16:18Z",
  "public_thumbnail_url": "",
  "tags": [
    "sample"
  ],
  "highlights": [
    {
      "created_datetime": "2021-07-29T23:16:34Z",
      "duration": 15000,
      "id": "vjQRUKsWw0aFpCT3531eGbr8V0HJrMjKMEIcAUmP",
      "recording_id": "b5185ccb-9a08-458c-9be1-db17a03fb14c",
      "text": "testing 123",
      "thumbnail_url": "https://media.grain.com/clips/v1/a14e5af9-d28e-43e9-902b-bc07419082eb/57zB8z52l7BKPoOvkS9KNyUi7LDSsNEh.jpeg",
      "timestamp": 3080,
      "transcript": "expected, that there was a mews in a lane which runs down by one wall of the garden. I lent the ostlers a hand in rubbing down their horses, and received in exchange twopence, a glass of half-and-half, two fills of shag tobacco, and as much information as I could desire about Miss Adler, to say nothing of half a dozen other people in",
      "url": "https://grain.com/highlight/vjQRUKsWw0aFpCT3531eGbr8V0HJrMjKMEIcAUmP"
    }
  ]
}
```

NOTE: this endpoint requires a paid seat for the authenticating user.

Returns the recording's transcript in VTT format.

NOTE: this endpoint requires a paid seat for the authenticating user.

Returns the recording's transcript in SRT format.

List the views (i.e. saved filters) accessible to the calling user.

Params:

cursor - optional, for pagination

type\_filter - optional, one of recordings, highlights, stories. Only return views that contain the given media type.

Example response

JSON

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```
{"views":[{"id":"b5185ccb-9a08-458c-9be1-db17a03fb14c","name":"My Recordings"}],"cursor":"abcdefg"}
```

Create a [REST Hook](#). A reachability test is made to the hook\_url on creation and the endpoint must respond with a 2xx status in order to successfully create the REST hook. Otherwise a 400 status is returned. NOTE: params should be sent as a JSON encoded POST body. Body Params:

version - must be hardcoded to 2

hook\_url - endpoint to be called when the event is triggered

view\_id - a view\_id obtained from [GET /public-api/views](#)

actions - optional, a list of added, updated, removed. Actions in the view that will cause the REST hook to fire. Defaults to all.

Example response:

JSON

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```
{"id":"d13ebcf9-d5cb-42b4-9a95-3e8fa95e38f9","hook_url":"https://example.com/hook","view_id":"b5185ccb-9a08-458c-9be1-db17a03fb14c","inserted_at":"2024-04-22T14:59:39Z"}
```

List webhooks.

Example response:

JSON

Copy

```
{"hooks":[{"id":"d13ebcf9-d5cb-42b4-9a95-3e8fa95e38f9","hook_url":"https://example.com/hook","view_id":"b5185ccb-9a08-458c-9be1-db17a03fb14c","inserted_at":"2024-04-22T14:59:39Z"}]}
```

Delete a webhook.

Example response:

JavaScript

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```
{"success":true}
```

JSON

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```
{"type":"recording_added" | "recording_updated","user_id":"aea95745-99e9-4609-8623-c9efa2926b82","data":{"id":"b5185ccb-9a08-458c-9be1-db17a03fb14c","title":"Sample Recording","url":"https://grain.com/recordings/b5185ccb-9a08-458c-9be1-db17a03fb14c/Kz5t1kAyPtt78hcxbSOJHJzFiPpZmUIeDVFXWzP0","start_datetime":"2021-07-29T23:13:17Z","end_datetime":"2021-07-29T23:16:18Z","public_thumbnail_url":"// Only non-null if recording share state is public"}}
```

JSON

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```
{"type":"recording_removed","user_id":"aea95745-99e9-4609-8623-c9efa2926b82","data":{"id":"b5185ccb-9a08-458c-9be1-db17a03fb14c"}}
```

JSON

Copy

```
{"type":"highlight_added" | "highlight_updated", "user_id":"aea95745-99e9-4609-8623-c9efa2926b82", "data":  
{"id":"vjQRUKsWw0aFpCT3531eGbr8V0HJrMjKMEIcAUmP", "recording_id":"b5185ccb-9a08-458c-9be1-db17a03fb14c", "text":"testing  
123 #test", "transcript":"expected, that there was a mews in a lane which runs down by one wall of the garden. I lent the ostlers a hand in  
rubbing down their horses, and received in exchange twopence, a glass of half-and-half, two fills of shag tobacco, and as much  
information as I could desire about Miss Adler, to say nothing of half a dozen other people in", "speakers":["Andy  
Arbol"], "timestamp":3080, "duration":15000, "created_datetime":"2021-07-  
29T23:16:34Z", "url":"https://grain.com/highlight/vjQRUKsWw0aFpCT3531eGbr8V0HJrMjKMEIcAUmP", "thumbnail_url":"https://media.grain.co  
d28e-43e9-902b-bc07419082eb/57zB8z52I7BKP0vks9KNyUi7LDSsNEh.jpeg", "tags":["test"]}}
```

JSON

Copy

```
{"type":"highlight_removed", "user_id":"aea95745-99e9-4609-8623-c9efa2926b82", "data":  
{"id":"vjQRUKsWw0aFpCT3531eGbr8V0HJrMjKMEIcAUmP", "recording_id":"b5185ccb-9a08-458c-9be1-db17a03fb14c"}}
```

JSON

Copy

```
{"type":"story_added" | "story_updated", "user_id":"aea95745-99e9-4609-8623-c9efa2926b82", "data":{"id":"1aff0fe4-6575-4d5f-a462-  
aaf09f5f17a6", "title":"My customer story", "description":"A customer journey with ACME  
Corp", "url":"https://grain.com/app/stories/89bd4a02-25f5-42c0-bd40-aa4c94be13ce", "public_url":"https://grain.com/share/story/89bd4a02-  
25f5-42c0-bd40-  
aa4c94be13ce/2hAEpxLsIN8hDQ48aQ1Yi1Mlrv1qCPSJNhxXEoj", "banner_image_url":"https://media.grain.com/public/story_thumbnails/07.p  
07-29T23:16:34Z", "last_edited_datetime":"2021-08-29T23:16:34Z", "tags":["customer"]}}
```

JSON

Copy

```
{"type":"story_removed", "user_id":"aea95745-99e9-4609-8623-c9efa2926b82", "data":{"id":"1aff0fe4-6575-4d5f-a462-aaf09f5f17a6"}}
```