

Worldcon Registration system API

SPECIFICATION DOCUMENT

This document outlines the baseline of how the WorldCon system can be interacted with to get participant details via API.

Making Requests

All Requests should be made using JSON

The following are the baseurls for the stated environments.

1. **Staging** - <https://worldcon.staxotest.net>
2. **Live** - <https://registration.glasgow2024.org>

The Credentials for accessing the WorldCon System are specified in the separate text file titled **credentials.txt**.

GLOBAL ADMIN ACCESS

This is an access that is given to external systems to access participants details either individually or as a group /collection.

Authentication

A static bearer token will be provided in a seperate text file
And should be included as an Authorization header in all API requests.
i.e.

```
curl -header "Authorization: bearer <token-here>" - https://worldcon.staxotest.net/api/v1 /participants"
```

Endpoints

The following are the endpoints for the global admin access.

Participants

This endpoint returns all the participants in the system. It also returns the participants based on a search criterion.

| | | | |
|-------------------|------------------------------------|--|---|
| URL | GET {base_url}/api/v1/participants | | |
| Body empty | | | |
| Response | | | |
| Field | Data Type | Example | Notes |
| data | Array | <pre>{ "data": [{ "id": 49, "full_name": "Example Surname", "preferred_name": "Example Lastname", "alternative_email": "alt@email.com", "email": "example@example.com",</pre> | This returns a collection of participants in a paginated way. |

| | | | |
|-------|--------|--|--|
| | | <pre> "badge": "Badge", "badge_title": "Glasgow 2024... ", "wsfs_status": "Vote And Nominate", "ticket_number": "#0001", "attending_status": "In Person" }, } </pre> | |
| links | Object | | This is an object with links of the pages { prev, next, first, last}. These are links to pages since the data returned is paginated. |
| meta | Object | | This is additional information about the data returned, total number of records and records per page. |

Individual Participant Details

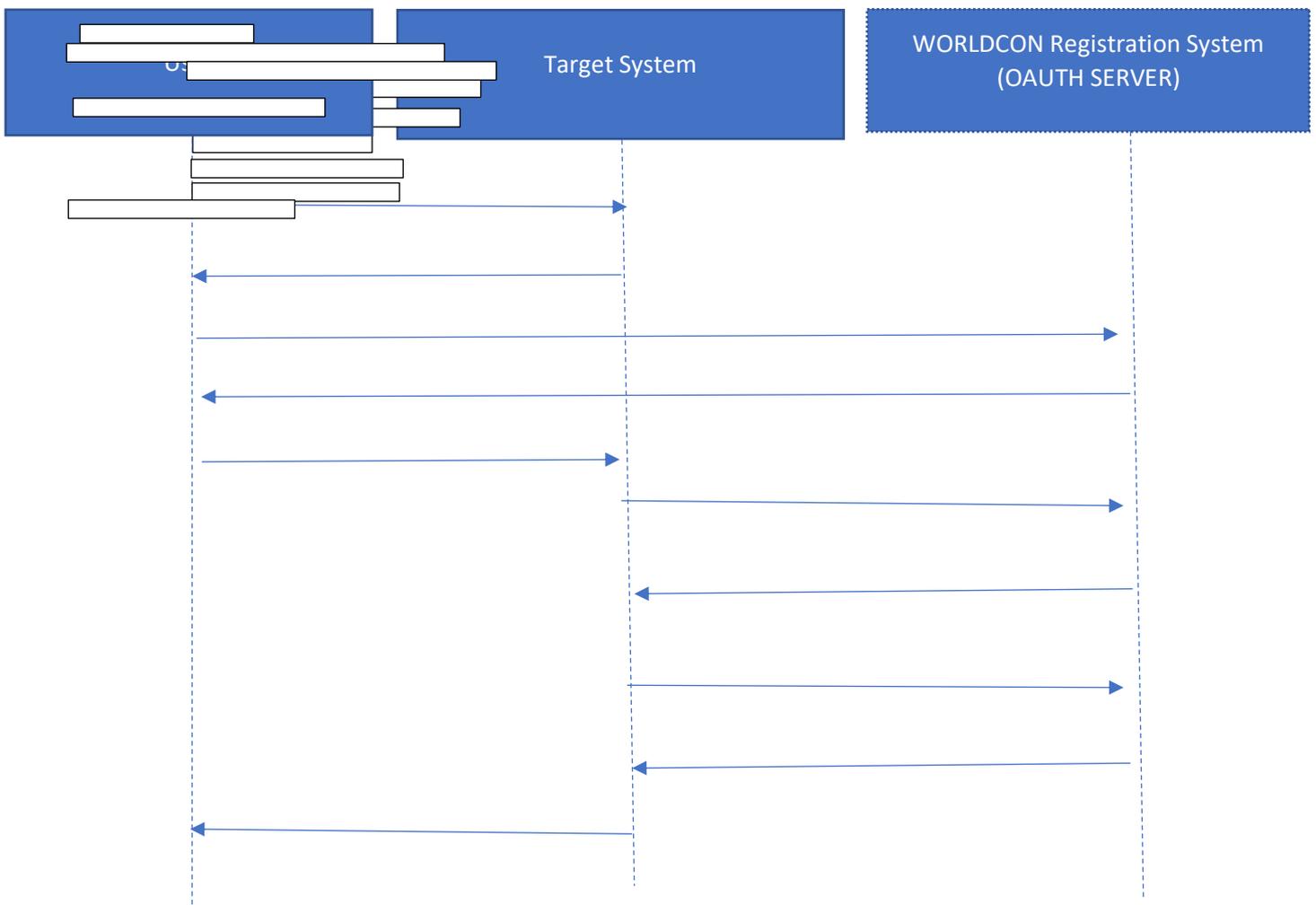
This endpoint returns the data for an individual participant using the ID

| URL | GET {base_url}/api/v1/participants/{id} | | |
|-------------------|---|--|---|
| Body empty | | | |
| Response | | | |
| Field | Data Type | Example | Notes |
| data | Object | <pre> { "id": 49, "full_name": "Example Surname", "preferred_name": "ExampleLastname", "alternative_email": alt@email.com "email": "example@example.com", "badge": "Badge", "badge_title": "Glasgow 2024... ", "wsfs_status": "Vote And Nominate", "ticket_number": "#0001", "attending_status": "In Person" } </pre> | This is the object with participant details e.g. firstname, ticket_number etc |
| status | String | Success | Success or Error Title |
| Message | String | The Participant was found | The accompanying message after the request |

OAUTH 2.0

This is functionality allows the end user to authenticate and authorize participants on the Worldcon registration system.

The diagram below shows the flow of the Process.



Endpoints

Authorization Request

This endpoint is an authorization request to Worldcon (Oauth Server)

To make an authorization request with the API,

Worldcon will then on success return an authorization code to the URL that was specified on the redirect Uri field.

on completion or failure, the request will be returned to the client system (using a call back URL defined when creating the transaction).

| | | | |
|-----------------------|---|--------------------------------|---|
| URL | GET {base_url}/oauth/authorize | | |
| Path Variables | | | |
| Variable | Description | Example | Mandatory |
| redirect_uri | This is the redirection url that the flow should go to after authorization | https://staging.worldcon.co.uk | Yes |
| response_type | The Type of the response to be returned after authorization. | code | Yes |
| scope | This is what the external system will be able to do after authorization | view-participant | Yes |
| Client_id | This is the unique identifier of the client which is shared between the external system and WorldCon. | 98873adb-1759-473b-b8fb-bd30da | Yes |
| Response | | | |
| FIELD | DATA TYPE | EXAMPLE | NOTES |
| authorization_code | String | def502006b820c511e6a3b090d0... | This is the code that will be used to request the access token for future requests. |
| status | String | Success | |

Access Token Request

This endpoint is used to request the access token.

As soon as the authorization code is received, the external system can request an access token using the authorisation code. The fields are defined in the table below.

| | | | |
|--------------|------------------------------------|--------------------------------|---|
| URL | POST {base_url}/api/v1/oauth/token | | |
| Body | | | |
| Field | Data Type | Example | Notes |
| grant_type | string | authorization_code | This Specifies what is used as an identifier. |
| client_id | string | 98873adb-1759-473b-b8fb-bd30da | Unique identifier of the client. This will |

| | | | |
|-----------------|-----------|--|--|
| | | | be given by Worldcon. |
| client_secret | string | TNnSAbOPJtExZtSo4zhl6nuHBmYD9tjxl7euvYQR | This is a secret key given to client. This is given by World Con |
| scope | string | view-participant | This is what the client will be able to do after authorization |
| code | string | def502006b820c511e6a3b090d0... | This is the authorization code that was given at Authorization Request. |
| Response | | | |
| Token_type | string | Bearer | Specifies the token type returned |
| expires_in | timestamp | 84600 | Specifies the expiry time of the token. |
| access_token | string | eyJ0eXAiOiJKV1QiLCJhbGciOi... | The access token issued to be able to access participant details. |
| refresh_token | string | eyJ0eXAiOiJKV1QiLCJhbGciOi... | The refresh token is also issued out to be able to request another access token. |

Participant Details

This endpoint returns the details of the authorized participant.

As soon as the access token, the external system can have access to the authorized participant details. They only need to put the access token in the Authorization header and retrieve the participant details.

| | | | |
|-------------------|-------------------------------------|----------------|--|
| URL | GET {base_url}/api/v1/me | | |
| Header | Authorization Bearer <access_token> | | |
| Body empty | | | |
| Response | | | |
| Field | Data Type | Example | Notes |
| data | Object | | This is the object with participant details e.g. first_name, ticket_number etc |
| status | String | Success | Success or Error Title |
| Message | String | My Details | The accompanying message after the request |

