

# 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.

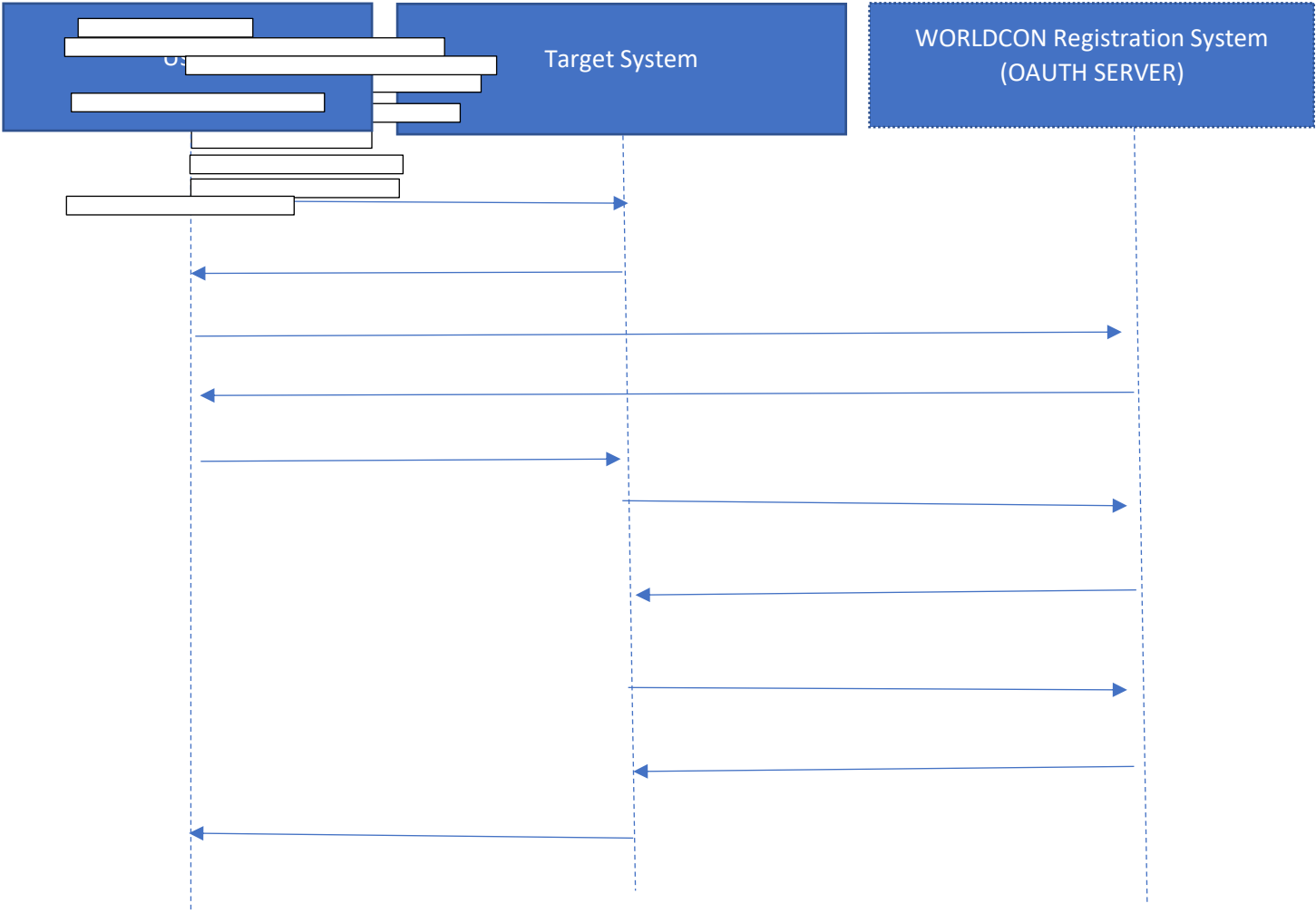
### Individual Participant Details

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": <a href="mailto:alt@email.com">alt@email.com</a>      "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.
<b>Response</b>			
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.

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



