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Getting Started with the Aggregation Task API

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Aggregation tasks are processes that run continually in order to feed query data to Activeboard widgets or Devo applications. They are created in the search window when the query is saved as a new aggregation task. To learn more about how aggregation tasks work check the power of leveraging pre-aggregated data.

The Devo aggregation task API can be used to work efficiently with aggregation tasks, without the need to log in to your Devo domain. You can use it to create new aggregation tasks, check their statuses, update and list them, etc.

Authorizing aggregation task API requests

To authorize your requests, you must include the following header:

Header	Value
`standAloneToken`	You need to enter a valid token to authorize your request. You can generate this token in the **Administration → Credentials → Tokens** area of Devo. The generated token will appear in the same area, in the table below. Learn more about tokens in Devo in Authentication tokens.

See Authorizing aggregation task API request for more information.

Working with the aggregation task API

Here is an example of how to create a new aggregation task.

POST `/v2/aggrtasks/{domain}`

> To perform this request, **your Devo user must have at least the *Aggregation tasks (manage)* permission assigned**. Learn more about roles and permissions in Role permissions.

Request

Path parameters

Add the following path parameters as part of the endpoint:

Parameter	Type	Description
`description`	`string`	Brief description of the aggregation task.
`delay`	`integer`	Number of seconds of difference between the last event and current timestamps.
`minGrain`	`string`	Minimum granularity of the aggregation task
`query` **required**	`object`	An array that contains three parameters: `LINQ`, `timezone`, `locale`.
`name` **required**	`string`	Aggregation task's name which must be unique in the domain.
`fromDate` **required**	`string`	Date from which the aggregation task searches to calculate the aggregated data.

Find below a request example:

`https://api-us.devo.com/aggregations/v2/aggregations/v2/aggrtasks/self`

Check the full list of available endpoints and methods in the aggregation task API:
https://docs.devo.com/space/latest/233242695/Working+with+the+aggregation+task+API

Response

Code	Description
200	Successful response.

```
{
  "id":
"cc_self:mwmCq714",

  "name": "first
aggregation task",

  "table":
"demo.ecommerce.data",

  "wheres": [

    "eq(client,
\"self\")"

  ],

  "delay": 0,

  "query": {

    "linq": "from
demo.ecommerce.data
where eq(client,
\"self\") group every
1800000 by client",

    "timeZone":
"GMT+01:00",

    "locale": "es"

  },

  "description": "my
new aggregation task",

  "domainName":
"self",

  "ownerEmail":
"john.smith@devo.com",
```

Code	Description

	`"creationDate": 1677087818714,`
	
	`"updateDate": 1677087818714,`
	
	`"status": "PENDING_CREATE",`
	
	`"statusData": null,`
	
	`"fromDate": 0`
	
	`}`

400	Error in request
401	Unauthorized error.
403	Forbidden request.
404	Not found.
405	Method not allowed.
500	Server error and Java exception.
601	The user is not allowed to do the operation in the selected domain.
602	The aggregation task doesn't exist.
603	The aggregation task doesn't exist in the domain.

Check the full list of Aggregation task API error codes:
https://docs.devo.com/space/latest/278429741/Aggregation+task+API+error+codes

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