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## 1 API Documentation Crewnet.io

### 1.1 Crewnet API

Welcome to Crewnet's API documentation. We provide a range of different API's with services for Extracting and updating data for your Crewnet license.

Place contact [leo.pedersen@crewnet.dk](mailto:leo.pedersen@crewnet.dk) for access to your Crewnet license.

### 1.2 Authenticate

Please contact to get an access token. The token is manual updated on your license and necessary to extract or update data in your solution.

### 1.3 URL for test and production.

Test URL: <https://api.cn-test.dk/v1/>

Production URL: <https://api.crewnet.dk/v1/>

It will be possible to get a test installation for testing API development.

Extract	Type	URL	Parameter	Returns
<b>EVENTS</b>				
events	GET	Get all events <a href="https://api.crewnet.dk/v1/events">https://api.crewnet.dk/v1/events</a>	no	List of all events
<b>WORKPLACES</b>				
Work places	GET	Get all workplaces for a specific event <a href="https://api.crewnet.dk/v1/workplaces?event_id={event_id}">https://api.crewnet.dk/v1/workplaces?event_id={event_id}</a>	event_id	Get all workplaces from a specific event
	POST	Create workplace <a href="https://api.crewnet.dk/v1/workplaces">https://api.crewnet.dk/v1/workplaces</a>		Create a new workspace in a specific event
	PUT	Update workplace <a href="https://api.crewnet.dk/v1/{workplace_id}">https://api.crewnet.dk/v1/{workplace_id}</a>	workplace_id	Update a workplace
	DEL	Delete workplace <a href="https://api.crewnet.dk/v1/{workplace_id}">https://api.crewnet.dk/v1/{workplace_id}</a>	workplace_id	Delete a workplace
	GET	Get workplace members <a href="https://api.crewnet.dk/v1/{workplace_id}/users?event_id={event_id}">https://api.crewnet.dk/v1/{workplace_id}/users?event_id={event_id}</a>	Workplace_id Event_id	Get all members from a specific workplace
Event workplaces	ADD	Add workplace to an event <a href="https://api.crewnet.dk/v1/{event_id}/workplaces">https://api.crewnet.dk/v1/{event_id}/workplaces</a>	Event_id	Add workplace to and event
	DEL	Remove workplace from an event <a href="https://api.crewnet.dk/v1/{event_id}/workplaces/{workplace_id}">https://api.crewnet.dk/v1/{event_id}/workplaces/{workplace_id}</a>	Workplace_id	Remove af workplace
<b>GROUPS</b>				
Groups	GET	Get all groups <a href="https://api.crewnet.dk/v1/Groups">https://api.crewnet.dk/v1/Groups</a>		Get all groups
	POST	Create Groups <a href="https://api.crewnet.dk/v1/groups">https://api.crewnet.dk/v1/groups</a>		Create a new group
	PUT	Update workplace <a href="https://api.crewnet.dk/v1/groups/{group_id}">https://api.crewnet.dk/v1/groups/{group_id}</a>	group_id	Update a group
	DEL	Delete Group <a href="https://api.crewnet.dk/v1/groups/{group_id}">https://api.crewnet.dk/v1/groups/{group_id}</a>	group_id	Delete a group
	GET	Get Group members <a href="https://api.crewnet.dk/v1/groups/{group_id}/users">https://api.crewnet.dk/v1/groups/{group_id}/users</a>	Group_id	Get all members from a specific group
	POST	Add group member <a href="https://api.crewnet.dk/v1/groups/{group_id}/users">https://api.crewnet.dk/v1/groups/{group_id}/users</a>	group_id	Add user to a group
	DEL	Remove user from a group <a href="https://api.crewnet.dk/v1/groups/{group_id}/users/{user_id}">https://api.crewnet.dk/v1/groups/{group_id}/users/{user_id}</a>	group_id user_id	Remove a user from a group
<b>WORKPLACE USER</b>				
Workplace users	POST	Add workplace member <a href="https://api.crewnet.dk/v1/workplaces/{workplace_id}/users?event_id={event_id}">https://api.crewnet.dk/v1/workplaces/{workplace_id}/users?event_id={event_id}</a>	Workplace_id Event_id	Add members to a workplace
	GET	Get members from a workplace <a href="https://api.crewnet.dk/v1/workplaces/{99}/users?event_id={99}">https://api.crewnet.dk/v1/workplaces/{99}/users?event_id={99}</a>	Workplaceid / eventid	Get all members from workplace
	DEL	Remove members from a workplace <a href="https://api.crewnet.dk/v1/workplaces/{workplace_id}/users/{user_id}?event_id={event_id}">https://api.crewnet.dk/v1/workplaces/{workplace_id}/users/{user_id}?event_id={event_id}</a>	Workplace_id user_id Event_id	Remove user from workplace
<b>WORKPLACE CATEGORIES</b>				
Workplace categories	GET	Get all workplace categories <a href="https://api.crewnet.dk/v1/workplace_categories">https://api.crewnet.dk/v1/workplace_categories</a>		Get all work place categories
	POST	Create workplace categories <a href="https://api.crewnet.dk/v1/workplace_categories">https://api.crewnet.dk/v1/workplace_categories</a>	JSON	Create a new workplace categories
	PUT	Update workplace categories <a href="https://api.crewnet.dk/v1/workplace_categories/{workplace_category_id}">https://api.crewnet.dk/v1/workplace_categories/{workplace_category_id}</a>	workplace_category_id	Update af workplace category
	DEL	Delete workplace category <a href="https://api.crewnet.dk/v1/workplace_categories/{workplace_category_id}">https://api.crewnet.dk/v1/workplace_categories/{workplace_category_id}</a>	Workplace_cate gory_id	Delete workplace category

USERS				
USERS	GET	Get all users <a href="https://api.crewnet.dk/v1/users?event_id={event_id}">https://api.crewnet.dk/v1/users?event_id={event_id}</a>	Event_id	Get all users added to an event
	POST	Create a new user <a href="https://api.crewnet.dk/v1/users">https://api.crewnet.dk/v1/users</a>	JSON	Create a new user to the license
	DEL	Delete user <a href="https://api.crewnet.dk/v1/users{user_id}">https://api.crewnet.dk/v1/users{user_id}</a>	user_id	Delete a user from the license
WORKPLANS				
WORKPLAN	GET	Get all workplans <a href="https://api.crewnet.dk/v1/workplaces/{workplace_id}/workplans?event_id={event_id}">https://api.crewnet.dk/v1/workplaces/{workplace_id}/workplans?event_id={event_id}</a>	Workplace_id Event_id	Get workplans from workplace

## 2 Events

### 2.1 Get all events:

Get all events added to a license

**[Get]**

<https://api.crewnet.dk/v1/events>

Returns:

```
[
  {
    "id": 1,
    "name": "Demo event",
    "active": false,
    "first_date": "2017-12-01T00:00:00.000+01:00",
    "last_date": "2019-01-14T00:00:00.000+01:00"
  },
  {
    "id": 11,
    "name": "Landstævne 2022",
    "active": false,
    "first_date": "2022-06-01T00:00:00.000+02:00",
    "last_date": "2022-08-08T00:00:00.000+02:00"
  }
]
```

## 3 Workplaces

### 3.1 Get workplaces for a specific event

Get all workplaces for a specific event.

**[Get]**

[http://api.crewnet.dk/v1/workplaces?event\\_id=11](http://api.crewnet.dk/v1/workplaces?event_id=11)

Returns:

```
[
  {
    "id": 2,
    "name": "Bar 2",
    "workplace_category_id": 6,
    "age": 18,
    "allow_create_happening": false,
    "allow_comment": false,
    "helper_need": 10
  },
  {
    "id": 3,
```

```
"name": "Ølvogn 1",
"workplace_category_id": null,
"age": 18,
"allow_create_happening": false,
"allow_comment": false,
"helper_need": 10
},
]
```

### 3.2 Create new workplace

Create a new workplace

Necessary information:

**[Post]**

<http://api.crewnet.dk/v1/workplaces>

```
{
  "name": "Test workplace",
  "workplace_category_id": null,           // Optional, default null
  "age": 18,                             // Optional, default 0
  "helper_need": 5,                      // Optional, default 1
  "allow_create_happening": true,        // Optional, default false
  "allow_comment": true                  // Optional, default false
}
```

### 3.3 Update Workplace

Update existing workplace with information

**[Put]**

<http://api.crewnet.dk/v1/workplaces/3>

JSON:

```
{
  "name": "Øllebøllehavn",
  "workplace_category_id": null,           // Optional, default null
  "age": 18,                             // Optional, default 0
  "helper_need": 5,                      // Optional, default 1
  "allow_create_happening": true,        // Optional, default false
  "allow_comment": true                  // Optional, default false
}
```

### 3.4 Delete Workplace

Delete an existing workplace

**[DEL]**

<http://api.crewnet.dk/v1/workplaces/3>



### 3.5 Get Workplace members

Get all members added to an existing workplace

[Get]

[http://api.crewnet.dk/v1/workplaces/2/users?event\\_id=11](http://api.crewnet.dk/v1/workplaces/2/users?event_id=11)

Returns:

```
[
  {
    "id": 287,
    "name": "Bruger 06 Testbruger",
    "is_supervisor": false,
    "member_since": "2021-11-15T14:42:00+01:00"
  }
]
```

### 3.6 Add workplace member

Add users as member to a specific workplace

[Post]

[https://api.crewnet.dk/v1/workplaces/{99}/users?event\\_id={99}](https://api.crewnet.dk/v1/workplaces/{99}/users?event_id={99})

JSON:

```
{
  "user_id": 276
}
```

### 3.7 Remove Workplace Member

Remove a specific user from a workplace

[DEL]

[https://api.crewnet.dk/v1/workplaces/{99}/users/{99}?event\\_id={99}](https://api.crewnet.dk/v1/workplaces/{99}/users/{99}?event_id={99})

## 4 Event workplaces

### 4.1 Add workplace to event

Add a workplace to event

<https://api.crewnet.dk/v1/events/{eventid}/workplaces>

JSON:

```
{
  "workplace_id": 2,
  "helper_need": 20 // Optional, default 10
}
```

```
}
```

## 4.2 Remove workplace from event

Remove a workplace from an event

[https://api.crewnet.dk/v1/events/{eventid}/workplaces/{workplace\\_id}](https://api.crewnet.dk/v1/events/{eventid}/workplaces/{workplace_id})

## 5 Groups

Get all groups added to a license

[Get]

<https://api.crewnet.dk/v1/groups>

Returns:

```
{
  "id": 2,
  "name": "Arrangements grupper",
  "external": false,
  "system_group": false,
  "allow_create_happening": false,
  "allow_create_post": false,
  "allow_invites": true,
  "allow_comment": false,
  "use_in_signup": false,
  "use_for_subscription": false
},
```

### 5.1 Create a new group

Create a new group to a license

[Post]

<https://api.crewnet.dk/v1/groups>

JSON

```
{
  "name": "Test group",
  "external": false,           // Optional, default true
  "can_only_apply_to_group_workplaces": true, // Optional, default false
  "allow_create_happening": true, // Optional, default false
  "allow_create_post": true,   // Optional, default false
  "allow_invites": true,       // Optional, default true
  "allow_comment": true,       // Optional, default false
  "use_in_signup": true,       // Optional, default false
}
```

```
"use_for_subscription": true // Optional, default false
}
```

## 5.2 Update a group

Update information on a specific group

**[Put]**

<https://api.crewnet.dk/v1/groups/{99}>

JSON:

```
{
  "name": "Test group",
  "external": false, // Optional, default true
  "can_only_apply_to_group_workplaces": true, // Optional, default false
  "allow_create_happening": true, // Optional, default false
  "allow_create_post": true, // Optional, default false
  "allow_invites": false, // Optional, default true
  "allow_comment": false, // Optional, default false
  "use_in_signup": false, // Optional, default false
  "use_for_subscription": true // Optional, default false
}
```

## 5.3 Delete group

Delete a group

**[DEL]**

<https://api.crewnet.dk/v1/groups/{99}>

## 5.4 Get group members

Get all group members

**[Get]**

<http://api.crewnet.dk/v1/groups/{99}/users>

Returns:

```
[
  {
    "id": 263,
    "name": "Admin Demo",
    "is_leader": false,
    "member_since": "2019-02-27T14:51:25+01:00"
  }
]
```

```
    },  
    {  
      "id": 282,  
      "name": "Leo Pedersen",  
      "is_leader": false,  
      "member_since": "2021-02-24T13:02:27+01:00"  
    },  
  ],  
}
```

## 5.5 Add group members

Add new members to a group

**[Post]**

<https://api.crewnet.dk/v1/groups/{99}/users>

JSON:

```
{  
  "user_id": 263  
}
```

## 5.6 Remove group member

Remove member from a group

**[DEL]**

<http://api.crewnet.dk/v1/groups/{99}/users/{99}>

# 6 Workplace Categories

## 6.1 Get workplace categories

Gets all workplace categories added to a license

**[Get]**

[https://api.crewnet.dk/v1/workplace\\_categories](https://api.crewnet.dk/v1/workplace_categories)

Returns:

```
[  
  {  
    "id": 7,  
    "name": "madCREW",  
    "description": "",  
    "shift_info": "",  
    "age_limit": 16  
  },  
]
```

```
{  
    "id": 6,  
}
```

## 6.2 Create workplace categories

Create a new workplace category to a license

**[Post]**

[https://api.crewnet.dk/v1/workplace\\_categories](https://api.crewnet.dk/v1/workplace_categories)

JSON:

```
{  
    "name": "Bars",  
    "age_limit": "18",  
    "description": "Bar 1, Bar 2",  
    "shift_info": "You will serve beer and drinks"  
}
```

## 6.3 Update workplace categories

Update information to an existing workplace

**[Put]**

[https://api.crewnet.dk/v1/workplace\\_categories/{99}](https://api.crewnet.dk/v1/workplace_categories/{99})

JSON:

```
{  
    "name": "Bars & food stalls",  
    "age_limit": "18",  
    "description": "Bar 1, Bar 2",  
    "shift_info": "You will serve beer and drinks"  
}
```

## 6.4 Delete workplace category

Delete a workplace category

**[DEL]**

[https://api.crewnet.dk/v1/workplace\\_categories/{99}](https://api.crewnet.dk/v1/workplace_categories/{99})

# 7 Add user to Workplace Categories (Ansøgninger)

## 7.1 Apply user to category

Apply users to a specific

[https://api.crewnet.dk/v1/users/{userid}/workplace\\_categories?event\\_id={eventid}](https://api.crewnet.dk/v1/users/{userid}/workplace_categories?event_id={eventid})

JSON:

```
{
  "workplace_category_id": {workplace category}
}
```

## 7.2 Withdraw workplace category application (Ansøgninger)

Withdraw application from workplace category

[https://api.crewnet.dk/v1/users/{userid}/workplace\\_categories/{workplace category id}?event\\_id={eventid}](https://api.crewnet.dk/v1/users/{userid}/workplace_categories/{workplace category id}?event_id={eventid})

# 8 Users

## 8.1 Get all users

Get alle users added to an event.

<https://api.crewnet.dk/v1/users?eventid={eventid}>

RESULT:

```
{
  {
    "id": 2,
    "first_name": "Nikolai",
    "last_name": "Laursen",
    "email": "nikolai@crewnet.dk",
    "phone": "+4529774444",
    "profile_picture": xxx
  },
  {
    "id": 1,
    "first_name": "Mads",
    "last_name": "Ellesgaard",
    "email": "mads@crewnet.dk",
    "phone": "+4522240915",
    "profile_picture": xxx
  },
}
```

## 8.2 Create new user

### Create a new user

Create a new user. The user will be added the License.

After the user is created, the user can be added to “workplace category” or a “workplace” using API’s for “workplace Category” or “Workplaces”

<https://api.crewnet.dk/v1/users>

JSON:

```
{
  "first_name": "Test",
  "last_name": "Testesen",
  "email": "test@testesen.dk",
  "birthday": "1990-01-01",
  "phone": "+4501020304" // Optional, default null
}
```

## 8.3 Delete a User

Remove the user from the license.

<https://api.crewnet.dk/v1/users/{userid}>

# 9 Apply user to Workplace Category

## 9.1 Apply user to a workplace category

Add a user to a workplace category and event

[https://api.crewnet.dk/v1/{userid}/workplace\\_categories?event\\_id={eventid}](https://api.crewnet.dk/v1/{userid}/workplace_categories?event_id={eventid})

JSON:

Add workplace\_category\_id

```
{
  "workplace_category_id": 6
}
```

## 9.2 Withdraw user from Application

Remove a user from an application

[https://api.crewnet.dk/c1/users/{userid}/workplace\\_categories/{workplace\\_category\\_id}/event\\_id={eventid}](https://api.crewnet.dk/c1/users/{userid}/workplace_categories/{workplace_category_id}/event_id={eventid})

## 10 Workplans

### 10.1 Get workplan from workplace

Get all workplan from a specific workplace

[https://api.crewnet.dk/v1/workplaces/{workplace\\_id}/workplans?event\\_id={event\\_id}](https://api.crewnet.dk/v1/workplaces/{workplace_id}/workplans?event_id={event_id})

Result:

```
[
  {
    "id": 50,
    "name": "Vagtplan",
    "categories": [
      {
        "id": 52,
        "name": "Standardvagter",
        "shift_info": null,
        "age": 0
      }
    ],
    "shifts": [
      {
        "id": 373,
        "category": 52,
        "start": "2022-06-01T07:00:00+02:00",
        "end": "2022-06-01T11:00:00+02:00",
        "user_id": null
      },
      {
        "id": 374,
        "category": 52,
        "start": "2022-06-01T07:00:00+02:00",
        "end": "2022-06-01T11:00:00+02:00",
        "user_id": null
      }
    ]
  }
]
```



## 11 API Overview

### 11.1 Events

Events are associated with a specific license.

There may be several events associated to the same license.

### 11.2 Groups

Groups are associated with a specific license and will be associated with all events added to a license.

#### 11.2.1 User and groups

A user can be associated with one or more groups.

It is possible to

1. Add a new group or use and existing group
2. Add user to a group
3. Get user from a group
4. Remove user from a group

### 11.3 Workplace

Workplaces are associated with a specific event. Same workplace can be associated with other events.

It-is possible to

1. Create a new workplace
2. Add a workplace to an event
3. Remove workplace from an event
4. Delete a workplace

#### 11.3.1 Workplace user

A user can be associated with a workplace.

It-is possible to:

1. Add a user to a workplace
2. Remove a user from a workplace

### 11.4 workplace category

Workplace catogories can be associated with on or more workplaces.

It-is possible to:

1. Create a new workplace category

2. Associate a workplace category to a workplace
3. Update information on a specific workplace category
4. Delete a workplace category

### 11.5 Workplans

Workplans are associated with a specific event and a specific workplace.

It-is possible to:

1. Get information from shifts with userid

### 11.6 Users

User are associated with a license.

It-is possible to:

1. Create a new user
2. Delete a user
3. Get all user information
4. Add a user to workplace
5. Add a user to workplace category
6. Add user to groups