
Python

unknown

Nov 21, 2021

CONTENTS

1	Tuber Module	3
1.1	tuber	3
1.2	tuber.static	3
1.3	tuber.permissions	3
2	Tuber API	5
2.1	Endpoints	5
2.2	Resources	18
	Python Module Index	19
	HTTP Routing Table	21
	Index	23

Tuber is an event management system. It helps keep track of your event staff, their jobs and shifts, departments, and attendees.

TUBER MODULE

1.1 tuber

The base module for Tuber

1.2 tuber.static

1.3 tuber.permissions

`tuber.permissions.check_permission(permission=None, event='*', department='*')`

`tuber.permissions.flush_session_perms(user_id=None)`

`tuber.permissions.get_permissions(user=None)`

`tuber.permissions.load_session(endpoint, values)`

TUBER API

2.1 Endpoints

2.1.1 Hotels

GET /api/hotels

Retrieve a list of hotels.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/hotels
```

Example Response

```
[{
  "id": 1,
  "name": "The Gaylord",
  "description": "An awesome venue in Maryland!"
}]
```

Query Parameters

- **full** (*string*) – If true returns a list of objects. If false, returns a list of id numbers.

2.1.2 Shifts

GET /api/events/<id>/jobs/available

Retrieve the list of shifts that are available to either the current user or a specific badge.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/events/<id>/jobs/
↪available
```

Example Response

```
[
  {
    "job": {
      "id": 1,
      "name": "Do the thing",
      "description": "",
      "department": null,
      "documentation": "",
      "method": {},
      "signurules": {},
      "sticky": false,
      "schedules": [],
      "scheduleevents": [],
      "roles": [],
      "shifts": [1]
    },
    "shifts": [
      {
        "blocks": [
          "Shift is full."
        ],
        "id": 1,
        "job": 1,
        "schedule": null,
        "schedule_event": null,
        "starttime": "2020-05-22T21:15:52.159726",
        "duration": 3600.0,
        "slots": 4,
        "filledslots": 0,
        "weighting": 1.0
      }
    ]
  }
]
```

Query Parameters

- **badge** (*string*) – If provided then the result will be the shifts available to the given badge.

POST /api/events/<id>/shifts/<id>/signup

Sign up for the given shift. If you want to sign up a different badge then the post body should be an object with key badge set the the desired badge id.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" --header 'Content-Type: application/json' -X POST \
  --data '{"badge": 4}' https://tuber.magfest.org/api/events/<id>/shifts/<id>/signup
```

Example Response

```
{
  "shift": {
```

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```

        "id": 1,
        "job": 1,
        "schedule": null,
        "schedule_event": null,
        "starttime": "2020-05-22T21:15:52.159726",
        "duration": 3600.0,
        "slots": 4,
        "filledslots": 0,
        "weighting": 1.0
    },
    "shift_signup": {
        "id": 1,
        "badge": 1,
        "job": 1,
        "shift": 1,
        "schedule": null,
        "scheduleevent": null,
        "starttime": "2020-05-22T21:15:52.159726",
        "duration": 3600.0
    },
    "shift_assignment": {
        "id": 1,
        "badge": 1,
        "shift": 1,
        "signuptime": "2020-05-22T21:15:52.159726"
    }
}

```

POST /api/events/<id>/jobs/<id>/dryrun

This endpoint lets you check what the resulting shifts based on a hypothetical job definition. Calling this endpoint will not commit anything to the database, but will let you see what would have resulted from a PATCH to the corresponding job.

Example Request

Bash

```

$ curl -H "X-Auth-Token: <Token>" --header 'Content-Type: application/json' -X POST \
  --data '{"method": {"name": "copy"}}' https://tuber.magfest.org/api/events/<id>/
  jobs/<id>/dryrun

```

Example Response

```

[
  {
    "id": 1,
    "job": 1,
    "schedule": null,
    "schedule_event": null,
    "starttime": "2020-05-22T21:15:52.159726",
    "duration": 3600.0,
    "slots": 4,
    "filledslots": 0,
    "weighting": 1.0
  }
]

```

Schedule Events

GET /api/scheduleevents

Retrieve a list of scheduleevents.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/scheduleevents
```

Example Response

```
[{
  "id": 1,
  "name": "Someone's panel",
  "description": "",
  "starttime": "2020-05-22T21:15:52.159726",
  "duration": 3600.0,
  "schedule": 1
}]
```

Query Parameters

- **full** (*string*) – If true returns a list of objects. If false, returns a list of id numbers.

GET /api/scheduleevents/<id>

Retrieve a single scheduleevent.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/scheduleevents/1
```

Example Response

```
{
  "id": 1,
  "name": "Someone's panel",
  "description": "",
  "starttime": "2020-05-22T21:15:52.159726",
  "duration": 3600.0,
  "schedule": 1
}
```

POST /api/scheduleevents

Create a new scheduleevent object.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X POST --header "Content-Type: application/json" \
  --data '{"name": "Someone's panel"}' https://tuber.magfest.org/api/scheduleevents
```

Example Response

```
{
  "id": 1,
  "name": "Someone's panel",
  "description": "",
  "starttime": "2020-05-22T21:15:52.159726",
  "duration": 3600.0,
  "schedule": 1
}
```

PATCH /api/scheduleevents/<id>

Update a scheduleevent.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X PATCH --header "Content-Type: application/json" \
  --data '{"description": "Really Cool"}' https://tuber.magfest.org/api/
  scheduleevents/<id>
```

Example Response

```
{
  "id": 1,
  "name": "Someone's panel",
  "description": "Really Cool",
  "starttime": "2020-05-22T21:15:52.159726",
  "duration": 3600.0,
  "schedule": 1
}
```

DELETE /api/scheduleevents/<id>

Delete a scheduleevent.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X DELETE https://tuber.magfest.org/api/
  scheduleevents/1
```

Example Response

```
{
  "id": 1,
  "name": "Someone's panel",
  "description": "",
  "starttime": "2020-05-22T21:15:52.159726",
  "duration": 3600.0,
  "schedule": 1
}
```

Jobs

GET /api/events/1/jobs

Retrieve a list of jobs.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/events/1/jobs
```

Example Response

```
[{
  "id": 1,
  "name": "Do the thing",
  "description": "",
  "department": null,
  "documentation": "",
  "method": {},
  "signuprules": {},
  "sticky": false,
  "schedules": [],
  "scheduleevents": [],
  "roles": [],
  "shifts": []
}]
```

Query Parameters

- **full** (*string*) – If true returns a list of objects. If false, returns a list of id numbers.

GET /api/events/1/jobs/<id>

Retrieve a single job.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/events/1/jobs/1
```

Example Response

```
{
  "id": 1,
  "name": "Do the thing",
  "description": "",
  "department": null,
  "documentation": "",
  "method": {},
  "signuprules": {},
  "sticky": false,
  "schedules": [],
  "scheduleevents": [],
  "roles": [],
```

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```
"shifts": []  
}
```

POST /api/events/1/jobs

Create a new job object.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X POST --header "Content-Type: application/json"   
↪ --data '{"name": "Do the thing"}' https://tuber.magfest.org/api/events/1/jobs
```

Example Response

```
{  
  "id": 1,  
  "name": "Do the thing",  
  "description": "",  
  "department": null,  
  "documentation": "",  
  "method": {},  
  "signuprules": {},  
  "sticky": false,  
  "schedules": [],  
  "scheduleevents": [],  
  "roles": [],  
  "shifts": []  
}
```

PATCH /api/events/1/jobs/<id>

Update a job.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X PATCH --header "Content-Type: application/json"   
↪ --data '{"description": "Really Cool"}' https://tuber.magfest.org/api/events/1/  
↪ jobs/<id>
```

Example Response

```
{  
  "id": 1,  
  "name": "Do the thing",  
  "description": "Really Cool",  
  "department": null,  
  "documentation": "",  
  "method": {},  
  "signuprules": {},  
  "sticky": false,  
  "schedules": [],  
  "scheduleevents": [],  
  "roles": [],  
}
```

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```
"shifts": []  
}
```

DELETE /api/events/1/jobs/<id>

Delete a job.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X DELETE https://tuber.magfest.org/api/events/1/  
→ jobs/1
```

Example Response

```
{  
  "id": 1,  
  "name": "Do the thing",  
  "description": "",  
  "department": null,  
  "documentation": "",  
  "method": {},  
  "signurules": {},  
  "sticky": false,  
  "schedules": [],  
  "scheduleevents": [],  
  "roles": [],  
  "shifts": []  
}
```

Shifts**GET /api/shifts**

Retrieve a list of shifts.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/shifts
```

Example Response

```
[{  
  "id": 1,  
  "job": 1,  
  "schedule": null,  
  "schedule_event": null,  
  "starttime": "2020-05-22T21:15:52.159726",  
  "duration": 3600.0,  
  "slots": 4,  
  "filledslots": 0,  
  "weighting": 1.0  
}]
```


Query Parameters

- **full** (*string*) – If true returns a list of objects. If false, returns a list of id numbers.

GET /api/shifts/<id>

Retrieve a single shift.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/shifts/1
```

Example Response

```
{
  "id": 1,
  "job": 1,
  "schedule": null,
  "schedule_event": null,
  "starttime": "2020-05-22T21:15:52.159726",
  "duration": 3600.0,
  "slots": 4,
  "filledslots": 0,
  "weighting": 1.0
}
```

POST /api/shifts

Create a new shift object.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X POST --header "Content-Type: application/json" \
  --data '{"job": 1, "schedule": 2, "slots": 4}' https://tuber.magfest.org/api/shifts
```

Example Response

```
{
  "id": 1,
  "job": 1,
  "schedule": 2,
  "schedule_event": null,
  "starttime": "2020-05-22T21:15:52.159726",
  "duration": 3600.0,
  "slots": 4,
  "filledslots": 0,
  "weighting": 1.0
}
```

PATCH /api/shifts/<id>

Update a shift.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X PATCH --header "Content-Type: application/json" --data '{"duration": 7200.0}' https://tuber.magfest.org/api/shifts/<id>
```

Example Response

```
{
  "id": 1,
  "job": 1,
  "schedule": 2,
  "schedule_event": null,
  "starttime": "2020-05-22T21:15:52.159726",
  "duration": 7200.0,
  "slots": 4,
  "filledslots": 0,
  "weighting": 1.0
}
```

DELETE /api/shifts/<id>

Delete a shift.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X DELETE https://tuber.magfest.org/api/shifts/1
```

Example Response

```
{
  "id": 1,
  "job": 1,
  "schedule": 2,
  "schedule_event": null,
  "starttime": "2020-05-22T21:15:52.159726",
  "duration": 7200.0,
  "slots": 4,
  "filledslots": 0,
  "weighting": 1.0
}
```

Shift Assignments**GET /api/shiftassignments**

Retrieve a list of shiftassignments.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/shiftassignments
```

Example Response

```
[{
  "id": 1,
  "badge": 1,
  "shift": 1,
  "signuptime": "2020-05-22T21:15:52.159726"
}]
```

Query Parameters

- **full** (*string*) – If true returns a list of objects. If false, returns a list of id numbers.

GET /api/shiftassignments/<id>

Retrieve a single shiftassignment.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/shiftassignments/1
```

Example Response

```
{
  "id": 1,
  "badge": 1,
  "shift": 1,
  "signuptime": "2020-05-22T21:15:52.159726"
}
```

POST /api/shiftassignments

Create a new shiftassignment object.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X POST --header "Content-Type: application/json" \
  --data '{"badge": 1, "shift": 1}' https://tuber.magfest.org/api/shiftassignments
```

Example Response

```
{
  "id": 1,
  "badge": 1,
  "shift": 1,
  "signuptime": "2020-05-22T21:15:52.159726"
}
```

DELETE /api/shiftassignments/<id>

Delete a shiftassignment.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X DELETE https://tuber.magfest.org/api/
  shiftassignments/1
```

Example Response

```
{
  "id": 1,
  "badge": 1,
  "shift": 1,
  "signuptime": "2020-05-22T21:15:52.159726"
}
```

Shift Signups

GET /api/shiftsignups

Retrieve a list of shiftsignups.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/shiftsignups
```

Example Response

```
[{
  "id": 1,
  "badge": 1,
  "job": 1,
  "shift": 1,
  "schedule": null,
  "scheduleevent": null,
  "starttime": "2020-05-22T21:15:52.159726",
  "duration": 3600.0
}]
```

Query Parameters

- **full** (*string*) – If true returns a list of objects. If false, returns a list of id numbers.

GET /api/shiftsignups/<id>

Retrieve a single shiftsignup.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" https://tuber.magfest.org/api/shiftsignups/1
```

Example Response

```
{
  "id": 1,
  "badge": 1,
  "job": 1,
  "shift": 1,
  "schedule": null,
  "scheduleevent": null,

```

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```
"starttime": "2020-05-22T21:15:52.159726",  
"duration": 3600.0  
}
```

POST /api/shiftsignups

Create a new shiftsignup object.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X POST --header "Content-Type: application/json"   
--data '{"shift": 2}' https://tuber.magfest.org/api/shiftsignups
```

Example Response

```
{  
  "id": 1,  
  "badge": 1,  
  "job": 1,  
  "shift": 2,  
  "schedule": null,  
  "scheduleevent": null,  
  "starttime": "2020-05-22T21:15:52.159726",  
  "duration": 3600.0  
}
```

PATCH /api/shiftsignups/<id>

Update a shiftsignup.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X PATCH --header "Content-Type: application/json"   
--data '{"shift": 1}' https://tuber.magfest.org/api/shiftsignups/<id>
```

Example Response

```
{  
  "id": 1,  
  "badge": 1,  
  "job": 1,  
  "shift": 1,  
  "schedule": null,  
  "scheduleevent": null,  
  "starttime": "2020-05-22T21:15:52.159726",  
  "duration": 3600.0  
}
```

DELETE /api/shiftsignups/<id>

Delete a shiftsignup.

Example Request

Bash

```
$ curl -H "X-Auth-Token: <Token>" -X DELETE https://tuber.magfest.org/api/  
↳shiftsignups/1
```

Example Response

```
{  
  "id": 1,  
  "badge": 1,  
  "job": 1,  
  "shift": 1,  
  "schedule": null,  
  "scheduleevent": null,  
  "starttime": "2020-05-22T21:15:52.159726",  
  "duration": 3600.0  
}
```

2.2 Resources

2.2.1 Hotels

2.2.2 Emails

2.2.3 Badges

2.2.4 Events

2.2.5 Users

2.2.6 shifts

`tuber.api.shifts.reschedule_job(job, schedule_event=None)`

Regenerates the shifts associated with this job. If a `schedule_event` is passed then it will only regenerate overlapping shifts.

PYTHON MODULE INDEX

t

- tuber, [3](#)
- tuber.api.emails, [18](#)
- tuber.api.hotels, [18](#)
- tuber.api.shifts, [18](#)
- tuber.api.users, [18](#)
- tuber.permissions, [3](#)
- tuber.static, [3](#)

HTTP ROUTING TABLE

/api

```
GET /api/events/1/jobs, 10
GET /api/events/1/jobs/<id>, 10
GET /api/events/<id>/jobs/available, 5
GET /api/events/<id>/schedules, ??
GET /api/events/<id>/schedules/<id>, ??
GET /api/hotels, 5
GET /api/scheduleevents, 8
GET /api/scheduleevents/<id>, 8
GET /api/shiftassignments, 14
GET /api/shiftassignments/<id>, 15
GET /api/shifts, 12
GET /api/shifts/<id>, 13
GET /api/shiftsignups, 16
GET /api/shiftsignups/<id>, 16
POST /api/events/1/jobs, 11
POST /api/events/<id>/jobs/<id>/dryrun, 7
POST /api/events/<id>/schedules, ??
POST /api/events/<id>/shifts/<id>/signup, 6
POST /api/scheduleevents, 8
POST /api/shiftassignments, 15
POST /api/shifts, 13
POST /api/shiftsignups, 17
DELETE /api/events/1/jobs/<id>, 12
DELETE /api/events/<id>/schedules/<id>, ??
DELETE /api/scheduleevents/<id>, 9
DELETE /api/shiftassignments/<id>, 15
DELETE /api/shifts/<id>, 14
DELETE /api/shiftsignups/<id>, 17
PATCH /api/events/1/jobs/<id>, 11
PATCH /api/events/<id>/schedules/<id>, ??
PATCH /api/scheduleevents/<id>, 9
PATCH /api/shifts/<id>, 13
PATCH /api/shiftsignups/<id>, 17
```


INDEX

C

`check_permission()` (in module *tuber.permissions*), 3

F

`flush_session_perms()` (in module *tuber.permissions*), 3

G

`get_permissions()` (in module *tuber.permissions*), 3

L

`load_session()` (in module *tuber.permissions*), 3

M

module

`tuber`, 3

`tuber.api.emails`, 18

`tuber.api.hotels`, 18

`tuber.api.shifts`, 18

`tuber.api.users`, 18

`tuber.permissions`, 3

`tuber.static`, 3

R

`reschedule_job()` (in module *tuber.api.shifts*), 18

T

`tuber`

module, 3

`tuber.api.emails`

module, 18

`tuber.api.hotels`

module, 18

`tuber.api.shifts`

module, 18

`tuber.api.users`

module, 18

`tuber.permissions`

module, 3

`tuber.static`

module, 3