

Task 4 : Webex Teams API

Nieuwe authentication key ophalen

APIs

XML API Deprecation

Getting Started

REST API Basics

Compliance

Webhooks

Webex APIs

and SDKs.

When making requests to the Webex REST API, an `Authentication` HTTP header is used to identify the requesting user. This header must include an access token. This access token may be a personal access token from this site (see below), a `Bot` token, or an OAuth token from an `Integration` or `Guest Issuer` application.

Our interactive API Reference uses your personal access token, which can be used to interact with the Webex API as yourself. This token has a short lifetime—only 12 hours after logging into this site—so it shouldn't be used outside of app development. When using this token, any actions taken through the API will be done as you. See below for your token:

Your Personal Access Token

Bearer *****

Copy

In elk script moeten we onder `access_token` de nieuwe token gaan ingeven.

Authentication script:

```
create-membership.py create-markdown-message.py create-rooms.py authentication.py x
authentication.py
1 # Fill in this file with the authentication code from the Webex Teams exercise
2 import requests
3 import json
4 access_token = 'YjhlYjQyZDAtNWJiZS00MmY1LWFjZmUtNTE4NzcyY2I3ZGIwYmVkZGIzYzAtNWNi_PE93_9423ebf1-df21-4e89-
5 url = 'https://webexapis.com/v1/people/me'
6 headers = {
7     'Authorization': 'Bearer {}'.format(access_token)
8 }
9 res = requests.get(url, headers=headers)
10 print(json.dumps(res.json(), indent=4))
11

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
}
devasc@labvm:~/labs/devnet-src/webex-teams$ python3 authentication.py
{
  "id": "Y2lzY29zcGFyZdovL3VzL1BFT1BMRS9iNTE4NzcyY2I3ZGIwYmVkZGIzYzAtNWNi_PE93_9423ebf1-df21-4e89-
  "emails": [
    "robin.venken@student.px1.be"
```

Create room script:

```
create-membership.py  create-markdown-message.py  create-rooms.py x  authentication.py

create-rooms.py
1  # Fill in this file with the code to create a new room from the Webex Teams exercise
2  import requests
3  access_token = 'YjhlYjQyZDAtNWJiZS00MmY1LWFlZmUtNTE4NzcyY2I3ZGIwYmVhZGZlZyZAtNWNi_PE93_9423ebf1-df21-4e89-
4  url = 'https://webexapis.com/v1/rooms'
5  headers = {
6      'Authorization': 'Bearer {}'.format(access_token),
7      'Content-Type': 'application/json'
8  }
9  params={'title': 'EN2_Devasc_2SNE_RV'}
10 res = requests.post(url, headers=headers, json=params)
11 print(res.json())
12

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

"type": "person"
}
devasc@labvm:~/labs/devnet-src/webex-teams$ python3 create-rooms.py
{'id': 'Y2lzY29zcGFyZS00MmY1LWFlZmUtNTE4NzcyY2I3ZGIwYmVhZGZlZyZAtNWNi_PE93_9423ebf1-df21-4e89-
RhZTk1', 'title': 'EN2_Devasc_2SNE_RV', 'type': 'group', 'isLocked': False, 'lastActivity': '2022-04-19T07
:55:57.357Z', 'creatorId': 'Y2lzY29zcGFyZS00MmY1LWFlZmUtNTE4NzcyY2I3ZGIwYmVhZGZlZyZAtNWNi_PE93_9423ebf1-df21-4e89-
RhZTk1'}
```

Create membership:

Leerkraft toevoegen aan de room:

```
create-membership.py x  create-markdown-message.py  create-rooms.py  authentication.py

create-membership.py
1  # Fill in this file with the code to create a room membership from the Webex Teams exercise
2  import requests
3  access_token = 'YjhlYjQyZDAtNWJiZS00MmY1LWFlZmUtNTE4NzcyY2I3ZGIwYmVhZGZlZyZAtNWNi_PE93_9423ebf1-df21-4e89-
4  room_id = 'Y2lzY29zcGFyZS00MmY1LWFlZmUtNTE4NzcyY2I3ZGIwYmVhZGZlZyZAtNWNi_PE93_9423ebf1-df21-4e89-
5  person_email = 'wim.leppens@pxl.be'
6  url = 'https://webexapis.com/v1/memberships'
7  headers = {
8      'Authorization': 'Bearer {}'.format(access_token),
9      'Content-Type': 'application/json'
10 }
11 params = {'roomId': room_id, 'personEmail': person_email}
12 res = requests.post(url, headers=headers, json=params)
13 print(res.json())
14

PROBLEMS  OUTPUT  DEBUG CONSOLE  TERMINAL

devasc@labvm:~/labs/devnet-src/webex-teams$ ^C
devasc@labvm:~/labs/devnet-src/webex-teams$ python3 create-membership.py
{'id': 'Y2lzY29zcGFyZS00MmY1LWFlZmUtNTE4NzcyY2I3ZGIwYmVhZGZlZyZAtNWNi_PE93_9423ebf1-df21-4e89-
RhZTk1', 'roomId': 'Y2lzY29zcGFyZS00MmY1LWFlZmUtNTE4NzcyY2I3ZGIwYmVhZGZlZyZAtNWNi_PE93_9423ebf1-df21-4e89-
RhZTk1', 'roomType': 'group', 'personEmail': 'wim.leppens@pxl.be', 'personId': 'Y2lzY29zcGFyZS00MmY1LWFlZmUtNTE4NzcyY2I3ZGIwYmVhZGZlZyZAtNWNi_PE93_9423ebf1-df21-4e89-
RhZTk1'}
```

Bericht versturen:

Bericht versturen naar de aangemaakte room: room_id veranderen in id van de nieuwe room

create-membership.py

create-markdown-message.py X

create-rooms.py

authentication.py

create-markdown-message.py

```
1 # Fill in this file with the messages code from the Webex Teams exercise
2 import requests
3 access_token = 'YjhlYjQyZDAtNWJiZS00MmY1LWFjZmUtNTE4NzcyY2I3ZGIwYmVhZGIzYzAtNWNi_PE93_9423ebf1-df21-4e89
4 room_id = 'Y2lzY29zcGFyazovL3VybjpURUFN0mV1LWNlbnRyYWwtMV9rL1JPT00vMjU1ZWZWRkZDAtYmZiNi0xMWVjLWJmY2ItYjNlO
5 message = 'Hier zijn mijn schermafbeeldingen van EN2_Devasc_2SNE-taken'
6 url = 'https://webexapis.com/v1/messages'
7 headers = {
8     'Authorization': 'Bearer {}'.format(access_token),
9     'Content-Type': 'application/json'
10 }
11 params = {'roomId': room_id, 'markdown': message}
12 res = requests.post(url, headers=headers, json=params)
13 print(res.json())
14
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
devasc@labvm:~/labs/devnet-src/webex-teams$ python3 create-markdown-message.py
{'id': 'Y2lzY29zcGFyazovL3VybjpURUFN0mV1LWNlbnRyYWwtMV9rL01FU1NBR0UvN2RmOWI1NDAtYmZiNy0xMWVjLThhMjgtMDEwZjg5NDZlZmMw', 'roomId': 'Y2lzY29zcGFyazovL3VybjpURUFN0mV1LWNlbnRyYWwtMV9rL1JPT00vMjU1ZWZWRkZDAtYmZiNi0xMWVjLWJmY2ItYjNlODdhZWZhZTk1', 'roomType': 'group', 'text': 'Hier zijn mijn schermafbeeldingen van EN2_Devasc_2SNE-taken', 'personId': 'Y2lzY29zcGFyazovL3VzL1BFT1BMRS9iNTE4NzcyY2I3ZGIwYmVhZGIzYzAtNWNiPE93_9423ebf1-df21-4e89', 'personEmail': 'robin.venken@student.px1.be', 'markdown': 'Hier zijn mijn schermafbeeldingen van EN2_Devas
```