

# AMPER Channels

## How to use amper-channels microservice (websockets)

Short instruction how to implement communication with microservice.

### Frontend

Each of the front service (admin, b2b, msf, etc.) should firstly request a websocket authorization token through.

GET <https://channels.ampli-solutions.com/authorize>

```
Authorization Header: Bearer TOKEN
```

replace TOKEN with WS token

Code implementation - package [socket.io](https://socket.io/)

```
<script src="/socket.io/socket.io.js"></script>
```

For all the other methods of including socket.io package to your project, please refer to documentation: [client-api](#)

After receiving a token, use it to get your websocket connection

```
const url = 'https://channels.ampli-solutions.com/'
const token = token received from "authorize" API
const keycloakID = 'your keycloak'
const channel = 'msf' (channel used by your project) (b2b, admin, msf, etc)
const socket = io(url, {
```

```
auth: {  
  token: token,  
  keycloakID: keycloakID,  
  channel: channel  
}
```

Add a **notification** type event listener to your socket:

```
socket.on('notification', function(msg) {  
  //here goes your action code that runs after notification is received  
  (msg) - notification message object (string lub json)  
})
```

# Backend

You have 3 variants of notifications:

1. notifying every user of given channel (msg, b2b, admin, etc.),
2. notifying every channel that a given keycloak user is using,
3. notifying a single channel of given keycloak user

API Endpoint: POST <https://channels.ampli-solutions.com/notify>

BODY:

```
{  
  "API_KEY": "5b28dc2f-...-7fbb705907c5", //current api key//Required  
  "msg" : string/json, //Required  
  "keycloak": "26259ede-....-9c58927efaae", //keycloak of the target user for notification(variant 2 and 3)  
  "channel": "msf" //(b2b, admin, etc)//when you want to use variant 1 or 2 notification  
}
```

Summary: Variant 1 requires only the **channel** variable in the body, Variant 2: only **keycloak**  
Variant 3: both **channel** and **keycloak**

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