THSRC API

Links

- TDX ???????
- TDX ????
- TDX????????API?????????
- TDX - ?? API ??
- ??API????????
- API ??????
- MOTC Transport API V2 (????????)

API ????

1. Client Id: ??????
2. Client Secret: ??????
3. Access Token: ?? HTTP POST ??Client Id ? Client Secret ??????? Access Token?

Get Access Token

```
curl --request POST \
     --url 'https://tdx.transportdata.tw/auth/realms/TDXConnect/protocol/openid-connect/token'
\
     --header 'content-type: application/x-www-form-urlencoded' \
     --data grant_type=client_credentials \
     --data client_id=YOUR_CLIENT_ID \
     --data client_secret=YOUR_CLIENT_SECRET \
```

???????

- access_token? ????API???token????JWT
- expires_in?token?????????????86400?(1?)
- token_type?token??????"Bearer"

Case: ??????????????????????????

API?

1. `/v2/Rail/THSR/DailyTimetable/Station/{StationID}/{TrainDate}`
   - ??????,????????
   - ???????????????
2. `/v2/Rail/THSR/AvailableSeatStatus/Train/OD/{OriginStationID}/to/{DestinationStationID}/TrainDate/{TrainDate}`
   - ????[??], [???]??????????
   - ???????????

> NOTE: ?????????????????????????????????????? 10, 16, 22 ??

MCP Server

- MCP Server THSRC - ??????????

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