

# Zugriffe des Web Clients zum CMS System XIBO

## Table of Contents

|  |    |
|--|----|
| Einloggen .....  | 3  |
| Medium zu Library hinzufügen .....                           | 5  |
| Medium von Library löschen .....                             | 6  |
| Get Benutzer Details .....                                   | 7  |
| Get Layouts .....  | 8  |
| Get checked out Layouts .....                                | 9  |
| Checkout Layout .....  | 10 |
| Layout veröffentlichen .....                                 | 11 |
| Get Playlist Items .....                                     | 13 |
| Playlist Item löschen .....                                  | 14 |
| Tags zu Dateien hinzufügen .....                             | 15 |
| Get files .....  | 16 |
| Datei zu Playlist hinzufügen .....                           | 17 |
| Widget zu Playlist hinzufügen .....                          | 18 |
| Post PlaylistItemOrder .....                                 | 19 |
| Hinzufügen von Audiodateien zu einem bestimmten Widget ..... | 20 |
| Put Playlist Item Duration .....                             | 21 |
| Put Playlist Item expiry .....                               | 22 |
| Put Playlist Item Widget .....                               | 23 |
| Get Displaygroups .....                                      | 24 |
| Get Displays .....   | 25 |
| Get Media download .....                                     | 26 |

Alle Zugriffe zum CMS befinden sich in der Datei assets/xibo-tstore.js ab Zeile 707 in "const xiboApiActions".

- Übersicht aller Zugriffe:

| Nummer | Beschreibung              | Methodennam<br>e | http | Request       | Parameter                              |
|--------|---------------------------|------------------|------|---------------|--|
| 1      | <a href="#">Einloggen</a> | login            | POST | url/cms/login | username:string<br>password:<br>string |

| Nummer | Beschreibung                                  | Methodenname         | http   | Request   | Parameter  |
|--------|---|----------------------|--------|---|--|
| 2      | <a href="#">Medium zu Library hinzufügen</a>  | postLibraryItem      | POST   | url/api/library                                   | files:File<br>oldMediaId:<br>number<br>updateInLayouts:        |
| 3      | <a href="#">Medium von Library löschen</a>    | deleteLibraryItem    | DELETE | url/api/library/                                  | mediaId: number  |
| 4      | <a href="#">Get Benutzer Details</a>          | getUser              | GET    | url/api/user/me                                   | -  |
| 5      | <a href="#">Get Layouts</a>                   | getLayouts           | GET    | url/api/layout                                    | name: string   |
| 6      | <a href="#">Get checked out Layouts</a>       | getCheckedOutLayout  | GET    | url/api/layout                                    | layoutId: number   |
| 7      | <a href="#">Checkout Layout</a>               | checkoutLayout       | PUT    | url/api/layout/checkout/                          | layoutId: number   |
| 8      | <a href="#">Layout veröffentlichen</a>        | publishLayout        | PUT    | url/api/layout/publish/                           | layoutId: number   |
| 9      | <a href="#">Get Playlist Items</a>            | getPlaylistItems     | GET    | url/api/playlist/widget/                          | region: XiboRegion   |
| 10     | <a href="#">Playlist Item löschen</a>         | deletePlaylistItem   | DELETE | url/api/playlist/widget/                          | itemId: number   |
| 11     | <a href="#">Tags zu Dateien hinzufügen</a>    | postFileTags         | POST   | url/api/library/{mediaId}/tag                     | mediaId: number<br>tags: string[]                              |
| 12     | <a href="#">Get files</a>                     | getFiles             | GET    | url/api/library                                   | fileName: string<br>mediaId: number                            |
| 13     | <a href="#">Datei zu Playlist hinzufügen</a>  | postFilesToPlaylist  | POST   | url/api/playlist/library/assign/                  | playlistId: number<br>mediaIds: number[]                       |
| 14     | <a href="#">Widget zu Playlist hinzufügen</a> | postWidgetToPlaylist | POST   | url/api/playlist/widget/{widgetType}/{playlistId} | playlistId: number<br>playlistId: number<br>widgetType: string |

| Nummer | Beschreibung   | Methodenname            | http | Request   | Parameter  |
|--------|--|-------------------------|------|---|--|
| 15     | Post PlaylistItemOrder                                 | postPlaylistItemOrder   | POST | url/api/playlist/order/   | playlistId: number<br>playlistItems: ReducedXiboPlaylistItem[] |
| 16     | Hinzufügen von Audiodateien zu einem bestimmten Widget | putPlaylistItemAudio    | PUT  | url/api/playlist/widget/{playlistItem.widgetId}/audio                     | playlistItem: XiboPlaylistItem<br>widgetId: number             |
| 17     | Put Playlist Item Duration                             | putPlaylistItemDuration | PUT  | url/api/playlist/widget/{playlistItem.widgetId}                           | playlistItem: XiboPlaylistItem                                 |
| 18     | Put Playlist Item expiry                               | putplaylistitemexpiry   | PUT  | url/api/playlist/widget/{playlistItem.widgetId}/expiry                    | playlistItem: XiboPlaylistItem                                 |
| 19     | Put Playlist Item Widget                               | putplaylistitemwidget   | PUT  | url/api/playlist/widget/{widgetId}  | widgetId: number<br>widgetData: any                            |
| 20     | Get Displaygroups                                      | getdisplaygroups        | GET  | url/api/displaygroup  | -  |
| 21     | Get Displays   | getdisplay              | GET  | url/api/display   | displayGroupId: number   |
| 22     | Get Media download                                     | getmediadownload        | GET  | url//cms/thumbnail/?mediaId={mediaId}&phpsessid={context.state.phpsessid} | mediaId: number  |

## Einloggen

- Header:

```
https://vm82.htl-leonding.ac.at/web/cms/login
POST
192.88.24.182:443
200 OK
HTTP/2
no-referrer-when-downgrade
```

```
Accept: application/json
Accept-Encoding: gzip, deflate, br
Accept-Language: de,en-US;q=0.7,en;q=0.3
Connection: keep-alive
Content-Length: 54
Content-Type: application/json
Cookie: PHPSESSID=m2e153gbl7hjmgnt2b56s0qrb
Host: vm82.htl-leonding.ac.at
Origin: https://vm82.htl-leonding.ac.at
Referer: https://vm82.htl-leonding.ac.at/web/login
TE: Trailers
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0
```

- Body

```
{"username":"schickmair","password":"passme"}
```

Programmcode:

```
login: async (context, payload) => {
  consola.log(context.state.url + "/cms/login");
  let response = await fetch(context.state.url + "/cms/login", {
    method: "POST",
    headers: {
      Accept: "application/json",
      "Content-Type": "application/json"
    },
    body: JSON.stringify({
      username: payload.username,
      password: payload.password
    })
  });

  if (response.status !== 200) {
    throw new Error("Login failed");
  }
  let responseJson = await response.json();
  if (!responseJson.access_token) {
    throw new Error("Login failed");
  }

  context.commit("setAccessToken", responseJson.access_token);
  context.commit(
    "setAccessTokenExpiryDate",
    responseJson.expires_in * 1000 + Date.now()
  );
  context.commit("setPhpseSSID", responseJson.phpseSSID);

  localStorage["accessToken"] = context.state.accessToken;
  localStorage["accessTokenExpiryDate"] = context.state.accessTokenExpiryDate;
  localStorage["phpseSSID"] = context.state.phpseSSID;

  return responseJson.access_token;
},
```

## Medium zu Library hinzufügen

- Header

```
https://vm82.htl-leonding.ac.at/web/api/library
POST
192.88.24.182:443
200 OK
HTTP/2
no-referrer-when-downgrade
```

```
Accept: */*
Accept-Encoding: gzip, deflate, br
Accept-Language: de,en-US;q=0.7,en;q=0.3
Authorization: Bearer monqFeH7CWi4pkiNHRqvi2cTsWcvmkeroynYTiE7
Connection: keep-alive
Content-Length: 745317
Content-Type: multipart/form-data; boundary=····-994237481336823698684017267
Cookie: PHPSESSID=m2e153gb17hjmgnt2b56s0qrb
Host: vm82.htl-leonding.ac.at
Origin: https://vm82.htl-leonding.ac.at
Referer: https://vm82.htl-leonding.ac.at/web/action/613
TE: Trailers
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0
```

- Body

```
Content-Disposition: form-data; name="files"; filename="ski.jpg"
Content-Type: image/jpeg
```

*Programmcode:*

```
postLibraryItem: async (context, payload) => {
  // TODO: Progress
  let form = new FormData();
  form.append("files", payload.file);
  if (payload.oldMediaId) {
    form.append("oldMediaId", payload.oldMediaId + "");
    form.append("updateInLayouts", "1");
    // TODO: deleteOldRevisions?
  }
  return fetchCms(context, "POST", "/api/library", null, form).then(
    // TODO: Error message (when there are 2 files with the same name)
    response => response.json()
  );
},
```

## Medium von Library löschen

- Header

Angefragte Adresse:https://vm82.htl-leonding.ac.at/web/api/library/280  
Anfragemethode:DELETE  
Externe Adresse:192.88.24.182:443  
Status-Code:  
204  
Version:HTTP/2  
Referrer Policy:no-referrer-when-downgrade

Accept: \*/\*  
Accept-Encoding: gzip, deflate, br  
Accept-Language: de,en-US;q=0.7,en;q=0.3  
Authorization: Bearer monqFeH7CWi4pkiNHRqvi2cTsWcvmkerovnYTiE7  
Connection: keep-alive  
Cookie: PHPSESSID=m2e153gb17hjmgnvt2b56s0qrb  
Host: vm82.htl-leonding.ac.at  
Origin: https://vm82.htl-leonding.ac.at  
Referer: https://vm82.htl-leonding.ac.at/web/action/613  
TE: Trailers  
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0

- Body

-

*Programmcode:*

```
deleteLibraryItem: async (context, payload) => {  
  //let form = new FormData();  
  //form.append("forceDelete", "1");  
  return fetchCms(context, "DELETE", `/api/library/${payload.mediaId}`);  
},
```

## Get Benutzer Details

- Header

Angefragte Adresse:https://vm82.htl-leonding.ac.at/web/api/user/me  
Anfragemethode:GET  
Externe Adresse:192.88.24.182:443  
Status-Code:  
200 OK  
Version:HTTP/2  
Referrer Policy:no-referrer-when-downgrade

Accept: \*/\*  
Accept-Encoding: gzip, deflate, br  
Accept-Language: de,en-US;q=0.7,en;q=0.3  
Authorization: Bearer monqFeH7CWi4pkiNHRqvi2cTsWcvmkeroynYTiE7  
Connection: keep-alive  
Cookie: PHPSESSID=m2e153gbl7hjmgnvt2b56s0qrb  
Host: vm82.htl-leonding.ac.at  
Referer: https://vm82.htl-leonding.ac.at/web/login  
TE: Trailers  
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0

- Body

-

*Programmcode:*

```
getUser: async context => {  
  return getFromCms(context, "/api/user/me").then(response => {  
    context.commit("setUser", response);  
    localStorage["user"] = JSON.stringify(context.state.user);  
    return response;  
  });  
},
```

## Get Layouts

- Header

Angefragte Adresse:https://vm82.htl-leonding.ac.at/web/api/layout?layout=&tags=&retired=0  
Anfragemethode:GET  
Externe Adresse:192.88.24.182:443  
Status-Code: 400  
Version:HTTP/2  
Referrer Policy:no-referrer-when-downgrade



```
Accept: */*
Accept-Encoding: gzip, deflate, br
Accept-Language: de,en-US;q=0.7,en;q=0.3
Authorization: Bearer
Cache-Control: no-cache
Connection: keep-alive
Cookie: PHPSESSID=m2e153gbl7hjmgnvt2b56s0qrb
Host: vm82.htl-leonding.ac.at
Pragma: no-cache
Referer: https://vm82.htl-leonding.ac.at/web/
TE: Trailers
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0
```

- Body

```
layout ""
tags ""
retired "0"
```

*Programmcode:*

```
getLayouts: async (context, payload) => {
  // Note: Caching
  if (context.state.layouts && context.state.layouts.length > 0) {
    return context.state.layouts;
  }

  return getFromCms(context, "/api/layout", {
    layout: payload.name,
    tags: context.getters.filterTag,
    retired: 0
    // Don't embed things anymore, because we have to load a different,
    //   checked-out layout when we want to edit stuff
    // embed: "regions,playlists,widgets"
  }).then(async response => {
    context.commit("setLayouts", response);
    return response;
  });
},
```

## Get checked out Layouts

- Header

-

-

- Body

-

*Programmcode:*

```
getCheckedOutLayout: async (context, payload) => {
  let layouts = await getFromCms(context, "/api/layout", {
    parentId: payload.layoutId,
    // For some reason the tags don't get copied. Go figure
    //tags: context.getters.filterTag,
    embed: "regions,playlists,widgets"
  });
  /** @type {XiboLayout} */
  let checkedOutLayout = layouts ? layouts[0] : null;
  if (checkedOutLayout) {
    checkedOutLayout.regions.forEach(region => {
      region.regionPlaylist.widgets.forEach(item => {
        parsePlaylistItem(item);
      });
    });
  }
  return checkedOutLayout;
},
```

## Checkout Layout

- Header

```
Angefragte Adresse:https://vm82.htl-leonding.ac.at/web/api/layout/checkout/632
Anfragemethode:PUT
Externe Adresse:192.88.24.182:443
Status-Code: 200 OK
Version:HTTP/2
Referrer Policy:no-referrer-when-downgrade
```

Accept: \*/\*  
Accept-Encoding: gzip, deflate, br  
Accept-Language: de,en-US;q=0.7,en;q=0.3  
Authorization: Bearer BkQL29FFJDwgEW4eJcuwfhAGQUiilFBQYSbgPFxM  
Connection: keep-alive  
Content-Length: 0  
Cookie: PHPSESSID=m2e153gbl7hjmgnvt2b56s0qrb  
Host: vm82.htl-leonding.ac.at  
Origin: https://vm82.htl-leonding.ac.at  
Referer: https://vm82.htl-leonding.ac.at/web/action/basic/632  
TE: Trailers  
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0

- Body

-

*Programmcode:*

```
checkoutLayout: async (context, payload) => {  
  return await fetchCms(  
    context,  
    "PUT",  
    `/api/layout/checkout/${payload.layoutId}`  
  )  
  .then(response => response.json())  
  .then(responseJson => {  
    context.commit("setLayoutPublishedStatusId", {  
      layoutId: payload.layoutId,  
      publishedStatusId: 2  
    });  
    return responseJson;  
  });  
},
```

## Layout veröffentlichen

- Header

Angefragte Adresse:https://vm82.htl-leonding.ac.at/web/api/layout/publish/631  
Anfragemethode:PUT  
Externe Adresse:192.88.24.182:443  
Status-Code:  
200  
Version:HTTP/2  
Referrer Policy:no-referrer-when-downgrade

Accept: \*/\*  
Accept-Encoding: gzip, deflate, br  
Accept-Language: de,en-US;q=0.7,en;q=0.3  
Authorization: Bearer BkQL29FFJDwgEW4eJcuwfhAGQUiilFBQYSbgPFxM  
Connection: keep-alive  
Content-Length: 12  
Content-Type: application/x-www-form-urlencoded;charset=UTF-8  
Cookie: PHPSESSID=m2e153gb17hjmgnvt2b56s0qrb  
Host: vm82.htl-leonding.ac.at  
Origin: https://vm82.htl-leonding.ac.at  
Referer: https://vm82.htl-leonding.ac.at/web/action/basic/631  
TE: Trailers  
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0

- Body

publishNow "1"

### Programmcode:

```
publishLayout: async (context, payload) => {
  let formUrlencoded = new URLSearchParams();
  formUrlencoded.set("publishNow", "1");

  let newLayout = await fetchCms(
    context,
    "PUT",
    `/api/layout/publish/${payload.layoutId}`,
    null,
    formUrlencoded
  ).then(response => response.json());

  context.commit("replaceLayout", {
    originalLayoutId: payload.layoutId,
    newLayout: newLayout
  });

  return newLayout;
},
```

## Get Playlist Items

- Header

Angefragte Adresse:https://vm82.html-leonding.ac.at/web/api/playlist/widget?playlistId=4642  
Anfragemethode:GET  
Externe Adresse:192.88.24.182:443  
Status-Code: 200 OK  
Version:HTTP/2  
Referrer Policy:no-referrer-when-downgrade

Accept: \*/\*  
Accept-Encoding: gzip, deflate, br  
Accept-Language: de,en-US;q=0.7,en;q=0.3  
Authorization: Bearer GXhijykINROPqhQVOIrmfkUSnODv2doQUobXmBv9  
Connection: keep-alive  
Cookie: PHPSESSID=gb3uec10hi5voa160tdhvn6r39  
Host: vm82.html-leonding.ac.at  
Referer: https://vm82.html-leonding.ac.at/web/action/basic/613  
TE: Trailers  
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0

- Body

```
playlistId "4642"
```

Programmcode:

```
getPlaylistItems: async (context, payload) => {  
  return getFromCms(context, "/api/playlist/widget", {  
    playlistId: payload.region.regionPlaylist.playlistId  
  }).then(playlistItems => {  
    playlistItems.forEach(item => parsePlaylistItem(item));  
    return playlistItems;  
  });  
},
```

## Playlist Item löschen

- Header

```
Angefragte Adresse: https://vm82.htl-leonding.ac.at/web/api/playlist/widget/12843  
Anfragemethode: DELETE  
Externe Adresse: 192.88.24.182:443  
Status-Code: 200 OK  
Version: HTTP/2  
Referrer Policy:no-referrer-when-downgrade
```

```
Accept: /*/  
Accept-Encoding: gzip, deflate, br  
Accept-Language: de,en-US;q=0.7,en;q=0.3  
Authorization: Bearer GXhijykINROPqhQVOIrmfkUSnODv2doQUobXmBv9  
Connection: keep-alive  
Cookie: PHPSESSID=gb3uec10hi5voa160tdhvn6r39  
Host: vm82.htl-leonding.ac.at  
Origin: https://vm82.htl-leonding.ac.at  
Referer: https://vm82.htl-leonding.ac.at/web/action/627  
TE: Trailers  
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0
```

- Body

-

Programmcode:

```
deletePlaylistItem: async (context, payload) => {  
  return fetchCms(  
    context,  
    "DELETE",  
    `/api/playlist/widget/${payload.itemId}`  
  );  
},
```

## Tags zu Dateien hinzufügen

- Header

Angefragte Adresse: <https://vm82.htl-leonding.ac.at/web/api/library/281/tag>  
Anfragemethode: POST  
Externe Adresse: 192.88.24.182:443  
Status-Code: 200 OK  
Version: HTTP/2  
Referrer Policy:no-referrer-when-downgrade

Accept: \*/\*  
Accept-Encoding: gzip, deflate, br  
Accept-Language: de,en-US;q=0.7,en;q=0.3  
Authorization: Bearer lozUJkSViipunXJWvCnZveliqsbhFRIV7Uq5J9Z3  
Connection: keep-alive  
Content-Length: 184  
Content-Type: multipart/form-data; boundary=...117549189640724917692205812658  
Cookie: PHPSESSID=gb3uec10hi5voa160tdhvn6r39  
Host: vm82.htl-leonding.ac.at  
Origin: https://vm82.htl-leonding.ac.at  
Referer: https://vm82.htl-leonding.ac.at/web/action/632  
TE: Trailers  
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0

- Body

-----117549189640724917692205812658  
Content-Disposition: form-data; name="tag[]"  
  
feuerkugel  
-----117549189640724917692205812658--

Programmcode:

```
postFileTags: async (context, payload) => {  
  // TODO: Progress  
  let form = new FormData();  
  payload.tags.forEach(tag => form.append("tag[]", tag));  
  return fetchCms(  
    context,  
    "POST",  
    `/api/library/${payload.mediaId}/tag`,  
    null,  
    form  
  );  
},
```

## Get files

- Header

```
Request  
URL:http://localhost:3000/cms/thumbnail/?mediaId=277&phpsessid=k6h0tf29l7v163pk466bd2c18j&preview=1&width=40&height=40&cache=1  
Request Method:GET  
Remote Address:127.0.0.1:3000  
Status Code:  
200  
Version:HTTP/1.1  
Referrer Policy:no-referrer-when-downgrade
```

```
Accept: image/webp,*/*  
Accept-Encoding: gzip, deflate  
Accept-Language: en-US,en;q=0.5  
Connection: keep-alive  
Host: localhost:3000  
Referer: http://localhost:3000/action/628  
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/72.0
```

- Body

```
mediaId 277  
phpsessid k6h0tf29l7v163pk466bd2c18j  
preview 1  
width 40  
height 40  
cache 1
```



Programmcode:

```
getFiles: async (context, payload) => {  
  // Again, the Xibo documentation is wrong. Those are url params and not form data  
  let params = {};  
  if (payload) {  
    if (payload["fileName"]) {  
      params["media"] = payload["fileName"];  
    } else {  
      params["mediaId"] = payload["mediaId"];  
    }  
  }  
  params["tags"] = context.getters.filterTag;  
  params["retired"] = 0;  
  return getFromCms(context, "/api/library", params);  
},
```

## Datei zu Playlist hinzufügen

- Header

Angefragte Adresse:https://vm82.htl-leonding.ac.at/web/api/playlist/library/assign/4778  
Anfragemethode:POST  
Externe Adresse:192.88.24.182:443  
Status-Code: 200 OK  
Version:HTTP/2  
Referrer Policy:no-referrer-when-downgrade

Accept: \*/\*  
Accept-Encoding: gzip, deflate, br  
Accept-Language: de,en-US;q=0.7,en;q=0.3  
Authorization: Bearer lozUJkSViipunXJWvCnZveliqsbhFRIV7Uq5J9Z3  
Connection: keep-alive  
Content-Length: 175  
Content-Type: multipart/form-data; boundary=---5252887411252691070605496845  
Cookie: PHPSESSID=gb3uec10hi5voa160tdhvn6r39  
Host: vm82.htl-leonding.ac.at  
Origin: https://vm82.htl-leonding.ac.at  
Referer: https://vm82.htl-leonding.ac.at/web/action/632  
TE: Trailers  
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0

- Body

```
-----5252887411252691070605496845
Content-Disposition: form-data; name="media[]"

281
-----5252887411252691070605496845--
```

*Programmcode:*

```
postFilesToPlaylist: async (context, payload) => {
  let form = new FormData();
  payload.mediaIds.forEach(mediaId =>
    form.append("media[]", mediaId.toString())
  );
  return fetchCms(
    context,
    "POST",
    `/api/playlist/library/assign/${payload.playlistId}`,
    {},
    form
  ).then(response => response.json());
},
```

## Widget zu Playlist hinzufügen

- Header

- Body

*Programmcode:*

```
postWidgetToPlaylist: async (context, payload) => {
  return fetchCms(
    context,
    "POST",
    `/api/playlist/widget/${payload.widgetType}/${payload.playlistId}`
  ).then(response => response.json());
},
```

# Post PlaylistItemOrder

- Header

```
Angefragte Adresse:https://vm82.htl-leonding.ac.at/web/api/playlist/order/4779
Anfragemethode:POST
Externe Adresse:192.88.24.182:443
Status-Code: 200 OK
Version:HTTP/2
Referrer Policy:no-referrer-when-downgrade
```

```
Accept: */*
Accept-Encoding: gzip, deflate, br
Accept-Language: de,en-US;q=0.7,en;q=0.3
Authorization: Bearer z4Yg7xVMmUHXmaWtIGPOa9LKxRnSXe5dzLIngUPh
Connection: keep-alive
Content-Length: 182
Content-Type: multipart/form-data; boundary=...14965244941745113059459084713
Cookie: PHPSESSID=uev650cbcc0ne034rjpm5hqhlb
Host: vm82.htl-leonding.ac.at
Origin: https://vm82.htl-leonding.ac.at
Referer: https://vm82.htl-leonding.ac.at/web/action/632
TE: Trailers
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0
```

- Body

```
-----14965244941745113059459084713
Content-Disposition: form-data; name="widgets[12919]"

0
-----14965244941745113059459084713--
```

*Programmcode:*

```
postPlaylistItemOrder: async (context, payload) => {
  let form = new FormData();
  payload.playlistItems.forEach((item, index) =>
    form.append(`widgets[${item.widgetId}]`, index.toString())
  );
  return fetchCms(
    context,
    "POST",
    `/api/playlist/order/${payload.playlistId}`,
    {},
    form
  ).then(response => response.json());
},
```

## Hinzufügen von Audiodateien zu einem bestimmten Widget

- Header

- Body

Programmcode:

```
putPlaylistItemAudio: async (context, payload) => {
  if (!payload.playlistItem.audio || !payload.playlistItem.audio.length)
    return;
  let audio = payload.playlistItem.audio[0];

  let formUrlencoded = new URLSearchParams();
  formUrlencoded.set("mediaId", audio.mediaId.toString());
  formUrlencoded.set("volume", audio.volume);
  formUrlencoded.set("loop", audio.loop);
  return fetchCms(
    context,
    "PUT",
    `/api/playlist/widget/${payload.playlistItem.widgetId}/audio`,
    {},
    formUrlencoded
  ).then(response => response.json());
},
```

## Put Playlist Item Duration

- Header

- Body

Programmcode:

```
putPlaylistItemDuration: async (context, payload) => {
  if (!payload.playlistItem.duration) return;
  let formUrlencoded = new URLSearchParams();
  formUrlencoded.set("duration", payload.playlistItem.duration.toString());
  formUrlencoded.set("useDuration", "1");
  return fetchCms(
    context,
    "PUT",
    `/api/playlist/widget/${payload.playlistItem.widgetId}`,
    {},
    formUrlencoded
  ).then(response => response.json());
},
```

# Put Playlist Item expiry

- Header

```
Angefragte Adresse: https://vm82.htl-leonding.ac.at/web/api/playlist/widget/12916/expiry
Anfragemethode: PUT
Externe Adresse:192.88.24.182:443
Status-Code: 422 No Reason Phrase
Version: HTTP/2
Referrer Policy:no-referrer-when-downgrade
```

```
Accept: */*
Accept-Encoding: gzip, deflate, br
Accept-Language: de,en-US;q=0.7,en;q=0.3
Authorization: Bearer z4Yg7xVMmUHXmaWtIGPOa9LKxRnSXe5dzLINGUPh
Connection: keep-alive
Content-Length: 25
Content-Type: application/x-www-form-urlencoded;charset=UTF-8
Cookie: PHPSESSID=uev650cbcc0ne034rjpm5hqhlb
Host: vm82.htl-leonding.ac.at
Origin: https://vm82.htl-leonding.ac.at
Referer: https://vm82.htl-leonding.ac.at/web/action/632
TE: Trailers
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0
```

- Body

```
fromDt: 2016-05-28+06:27:00
toDt: 2020-05-10+16:48:31
```

Programmcode:

```
putPlaylistItemExpiry: async (context, payload) => {
  let formUrlencoded = new URLSearchParams();
  let fromDate = "";
  if (payload.playlistItem.fromParsedDate) {
    fromDate = moment(payload.playlistItem.fromParsedDate).format(
      "YYYY-MM-DD HH:mm:ss"
    );
  }
  let toDate = "";
  if (payload.playlistItem.toParsedDate) {
    toDate = moment(payload.playlistItem.toParsedDate).format(
      "YYYY-MM-DD HH:mm:ss"
    );
  }
  formUrlencoded.set("fromDt", fromDate);
  formUrlencoded.set("toDt", toDate);
  return fetchCms(
    context,
    "PUT",
    `/api/playlist/widget/${payload.playlistItem.widgetId}/expiry`,
    {},
    formUrlencoded
  ).then(response => response.json());
},
```

## Put Playlist Item Widget

- Header

Angefragte Adresse: <https://vm82.htl-leonding.ac.at/web/api/playlist/widget/12942>  
Anfragemethode: PUT  
Externe Adresse: 192.88.24.182:443  
Status-Code: 200 OK  
Version: HTTP/2  
Referrer Policy: no-referrer-when-downgrade

```
Accept: */*
Accept-Encoding: gzip, deflate, br
Accept-Language: de,en-US;q=0.7,en;q=0.3
Authorization: Bearer z4Yg7xVMmUHXmaWtIGPOa9LKxRnSXe5dzLINGUPh
Connection: keep-alive
Content-Length: 25
Content-Type: application/x-www-form-urlencoded;charset=UTF-8
Cookie: PHPSESSID=uev650cbcc0ne034rjpm5hqhlb
Host: vm82.htl-leonding.ac.at
Origin: https://vm82.htl-leonding.ac.at
Referer: https://vm82.htl-leonding.ac.at/web/action/632
TE: Trailers
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0
```

- Body

```
duration    "10"
useDuration "1"
```

*Programmmcode:*

```
putPlaylistItemWidget: async (context, payload) => {
  let formUrlencoded = new URLSearchParams();
  Object.keys(payload.widgetData).forEach(key => {
    // TODO: Handle arrays?
    formUrlencoded.set(key, payload.widgetData[key] + "");
  });
  // Apparently Xibo will gladly forget the useDuration flag as soon as it can.
  // So we have to set it again here
  // This might be a Xibo bug
  formUrlencoded.set("useDuration", "1");
  return fetchCms(
    context,
    "PUT",
    `/api/playlist/widget/${payload.widgetId}`,
    {},
    formUrlencoded
  ).then(response => response.json());
},
```

## Get Displaygroups

- Header



Angefragte Adresse:https://vm82.htl-leonding.ac.at/web/api/displaygroup  
Anfragemethode:GET  
Externe Adresse:192.88.24.182:443  
Status-Code: 200 OK  
Version:HTTP/2  
Referrer Policy:no-referrer-when-downgrade

Accept: \*/\*  
Accept-Encoding: gzip, deflate, br  
Accept-Language: de,en-US;q=0.7,en;q=0.3  
Authorization: Bearer oqIwpHackwlsPwZF9hAuN7aityrf8mulm8N91QUJ  
Connection: keep-alive  
Cookie: PHPSESSID=cio2588sq7vrpapim13i3r2t7q  
Host: vm82.htl-leonding.ac.at  
Referer: https://vm82.htl-leonding.ac.at/web/action/basic/632  
TE: Trailers  
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0

- Body

-

*Programmcode:*

```
getDisplayGroups: async context => {  
  return getFromCms(context, "/api/displaygroup");  
},
```

## Get Displays

- Header

Request URL:http://localhost:3000/api/display?displayGroupId=6&start=10&length=10  
Request Method:GET  
Remote Address:127.0.0.1:3000  
Status Code:  
200  
Version:HTTP/1.1  
Referrer Policy:no-referrer-when-downgrade

```
Accept: */*
Accept-Encoding: gzip, deflate
Accept-Language: en-US,en;q=0.5
Authorization: Bearer 1ci2EdAoXcjR2VUpmTqSkA72MMCTt49wiLsvRYtT
Connection: keep-alive
Host: localhost:3000
Referer: http://localhost:3000/action/614
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/72.0
```

- Body

```
displayGroupId 6
start 10
length 10
```

*Programmcode:*

```
getDisplays: async (context, payload) => {
  return getFromCms(context, "/api/display", {
    displayGroupId: payload.displayGroupId
  });
},
```

## Get Media download

- Header

```
Angefragte Adresse: https://vm82.htl-
leonding.ac.at/web/cms/thumbnail/?mediaId=273&phpsessid=l66a7mplrp84euaaifpcscic3t&pre
view=1&width=40&height=40&cache=1
Anfragemethode: GET
Externe Adresse:192.88.24.182:443
Status-Code: 200 OK
Version: HTTP/2
Referrer Policy:no-referrer-when-downgrade
```

```
Accept: image/webp,*/*
Accept-Encoding: gzip, deflate, br
Accept-Language: de,en-US;q=0.7,en;q=0.3
Connection: keep-alive
Cookie: PHPSESSID=cio2588sq7vrpapim13i3r2t7q
Host: vm82.htl-leonding.ac.at
Referer: https://vm82.htl-leonding.ac.at/web/action/627
TE: Trailers
User-Agent: Mozilla/5.0 (Windows NT 10.0; ...) Gecko/20100101 Firefox/75.0
```

- Body

```
mediaId "273"
phpsessid "l66a7mplrp84euaaifpcscic3t"
preview "1"
width "40"
height "40"
cache "1"
```

*Programmcode:*

```
getMediaDownload: (context, payload) => {
  let url = `${context.state.url}/cms/thumbnail/?mediaId=${payload.mediaId}&phpsessid=${context.state.phpsessid}`;
  return fetch(url);
}
```