

User Guide

Ayla API Browser Quick Start Guide



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1 Introduction

This document provides examples to access APIs in the API Browser, available on the Ayla Developer Portal. Example APIs include;

- Sign in to API Browser
- Example API Call (Get a device listing)
- Sign out from the API Browser

1.1 Additional Resources

- Developer Portal Users Guide (AY006UDP3)
- OEM Dashboard Users Guide (AY006UDB3)

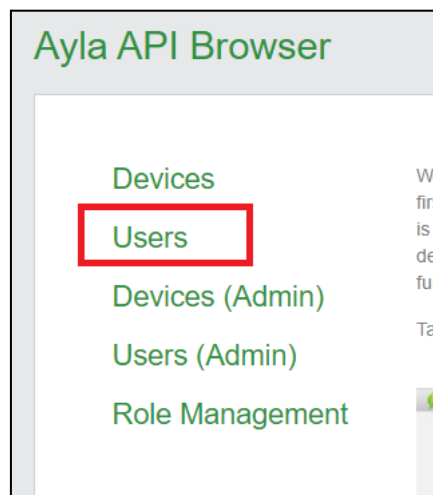
2 Sign in

The POST /users/sign_in API is used to sign a user into the Ayla Cloud Service (ACS). This API returns an access token and refresh token. The access token can be used to access other ACS APIs by passing the token along in the Authorization header. The refresh token can be used to obtain a new access token.

The access token expires in one day (24 hours). The refresh token does not expire until the user explicitly signs out using the access token corresponding to the refresh token.

To start, you need the user's email, password, with the applications app_id and application app_secret.

1. On the Ayla API Browser, click the Users link.



1. On the Users page, click the **Users: APIs specific to the user account** link to expand the list of APIs.

Users

Information submitted (typically a PUT call) via these APIs is treated as Personal Information (PI/PII), and encrypted-at-rest.

This section covers APIs specific to the user account management.

Several of these APIs initiate an email to the user signed in to the Ayla User Service account. You can upload a customized email template to the Ayla User Service through the OEM dashboard.

Users : APIs specific to the user account Show/Hide List Operations Expand Operations Raw

POST	/users	Create Account (Sign Up)
POST	/users/sign_in	Sign In
POST	/users/refresh_token	Refresh Tokens
POST	/users/confirmation	Resend User Confirmation
PUT	/users/confirmation	Confirm User Account
POST	/users/password	Resend Password Reset Instruction
PUT	/users/password	Reset Password
PUT	/users	Change Password
PUT	/users	Edit User Attributes
PUT	/users/update_email	Update Login User Email
DELETE	/users	Delete Login User
POST	/users/sign_out	Sign Out
GET	/users/get_user_profile	Get User Profile

2. Click **POST /users/sign_in** to expand the listing and show the sign-in API details.
3. In the Parameters section, click inside the Model Schema section.

Parameters

Parameter	Value	Description	Parameter Type	Data Type
body	(required) <div style="border: 1px solid #ccc; height: 40px; width: 100%;"></div> Parameter content type: <input type="text" value="application/json"/>	The whole Authorization object is not really needed here. Just send the User part to sign_in	body	Model Model Schema

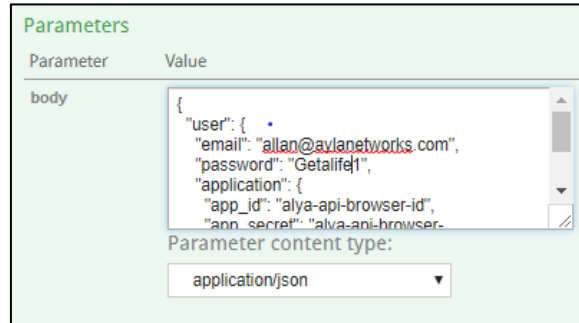
```

{
  "user": {
    "email": "",
    "password": "",
    "application": {
      "app_id": "ayla-api-browser-id",
      "app_secret": "ayla-api-browser-ztFsUL41FELULyFrSMEZakKwJg"
    }
  }
}
                
```

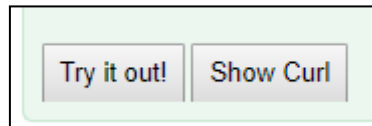
Click to set as parameter value

This transfers the code into the body section.

4. In the body section, enter the user's email, password. As needed, enter/update the app_id and app_secret parameters.



- At the bottom of the API section, click the **Try it out!** button.



- This displays the Response with the access_token and refresh_token values.

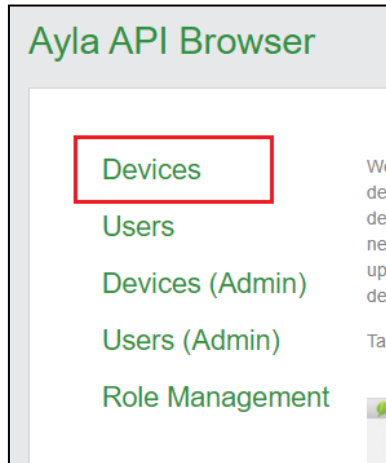


The access_token and refresh_token parameter values are valid for the current API session, until the session expires. To refresh the token for a new session, sign-in for a new session. You can also use the **POST /users/refresh_token** API.

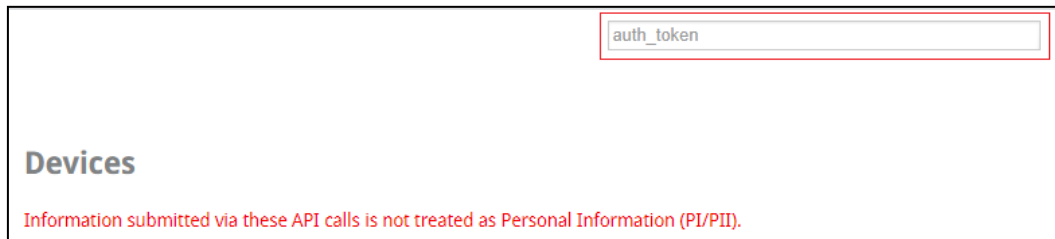
3 API Call Example (Get a Device List)

This API call will return all devices assigned to the user.

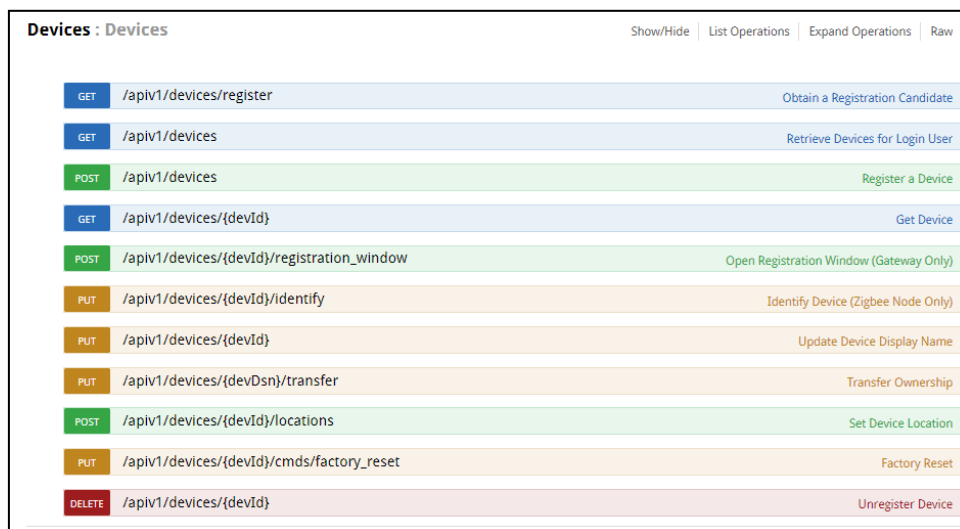
1. On the Ayla API Browser page, click the **Devices** link.



2. At the top right of the Devices : Devices page, enter the access_token value into the auth_token text box. (Copy from the API sign-in response.)



3. On the Devices page, click **Devices : Devices** to display the APIs.



- Click GET /apiv1/devices to expand and display details about the API.

GET /apiv1/devices
Retrieve Devices for Login User

Implementation Notes

Obtains the list of devices for a particular user.
Normal response example:

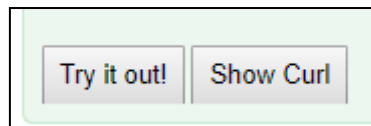
```
[
  {
    "device": {
      "dsn": "DSN2",
      "mac": null,
      "model": "model_demo2",
      "oem_model": "",
      "product_name": "demo2",
      "template_id": null,
      "connected_at": "2014-07-03T05:12:10Z",
      "key": 2,
      "has_properties": false,
      "product_class": "",
      "connection_status": "Online",
      "lat": 30.7749,
      "lng": -133.419
    }
  }
]
```

If a device is shared with the current user, it contains a "grant" section as shown below:

```
[
  {
    "device": {
      "dsn": "DSN2",
```

This command gets all devices assigned to the user. There are no required or optional parameters required in the call.

- At the bottom of the API section, click the **Try it out!** button.



- This displays the Response with the list of all Devices associated with the user. Example below shows only one device. If multiple devices, they are listed sequentially.

```
[
  {
    "device": {
      "product_name": "ayla_demo",
      "model": "AY001MVM2",
      "dsn": "VDa8afb6bf0000007",
      "oem_model": "abenikakit",
      "template_id": null,
      "mac": null,
      "unique_hardware_id": null,
      "lan_ip": null,
      "connected_at": null,
```

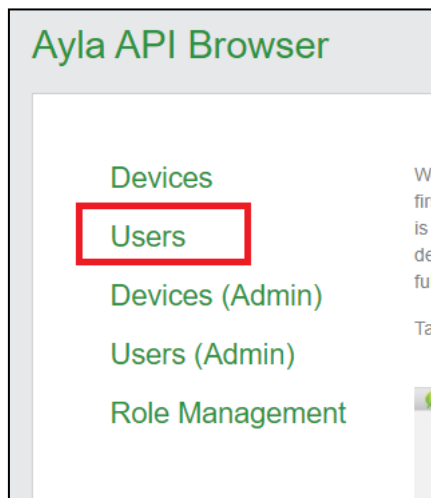


```
    "key": 5187362,  
    "lan_enabled": false,  
    "has_properties": true,  
    "product_class": "",  
    "connection_status": null,  
    "device_type": "Wifi"  
  }  
}  
]
```

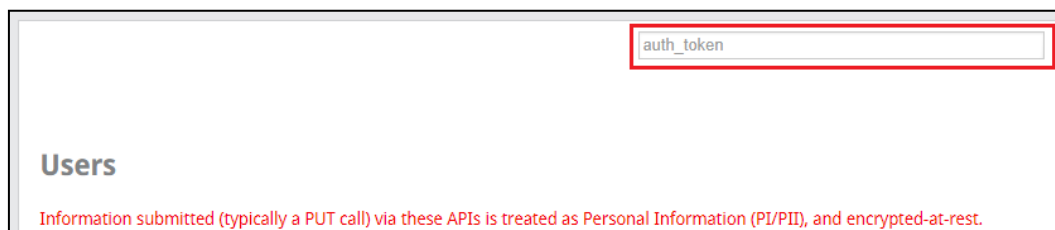
4 Sign_out API Call

The POST /users/sign_out call will sign the user out. This will also invalidate the access token and the corresponding refresh token.

1. On the Ayla API Browser, click the Users link.



2. At the top right of the Users page, enter the access_token value. (Copy from the API sign-in response.)



- On the Users page, click the **Users: APIs specific to the user account** link to expand the list of APIs.

Users

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POST	/users/sign_in	Sign In
POST	/users/refresh_token	Refresh Tokens
POST	/users/confirmation	Resend User Confirmation
PUT	/users/confirmation	Confirm User Account
POST	/users/password	Resend Password Reset Instruction
PUT	/users/password	Reset Password
PUT	/users	Change Password
PUT	/users	Edit User Attributes
PUT	/users/update_email	Update Login User Email
DELETE	/users	Delete Login User
POST	/users/sign_out	Sign Out
GET	/users/get_user_profile	Get User Profile

- Click **POST /users/sign_out** to expand the listing and show the sign-out API details.
- In the Parameters section, click inside the Model Schema section.

Parameters

Parameter	Value	Description	Parameter Type	Data Type
body	(required)	The user access_token to sign_out	body	Model Model Schema

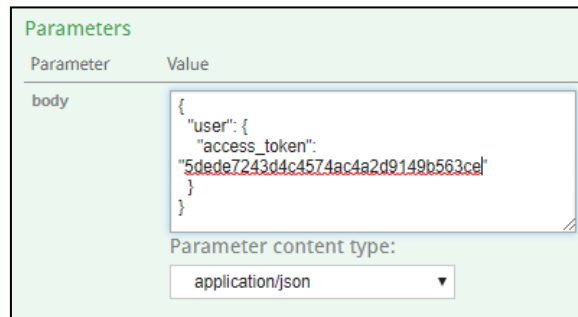
Parameter content type:

```
{
  "user": {
    "access_token": ""
  }
}
```

Click to set as parameter value

This transfers the code into the body section.

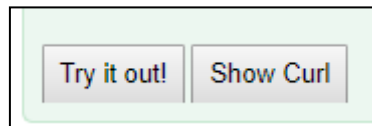
- In the body section, enter the access_token (copied from the sign-in response).



Parameter	Value
body	<pre>{ "user": { "access_token": "5dede7243d4c4574ac4a2d9149b563ce1" } }</pre>

Parameter content type:
application/json

- At the bottom of the API section, click the **Try it out!** button.



- This displays the Response that shows the sign out was successful.



Try it out! Show Curl Hide Response

Request URL

```
https://user.aylanetworks.com:443/users/sign_out
```

Response Body

```
{
  "logout": true
}
```

Response Code

```
200
```

Response Headers

```
{
  "Last-Modified": "Wed, 14 Dec 2050 18:43:58 GMT",
  "Content-Type": "application/json; charset=utf-8"
}
```



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