

Keycloak user's active session information

Asked 2 years ago Modified 2 years ago Viewed 7k times

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- I'm using `keycloak` for `authentication and authorization`, I want to get the `active session` information of the users or the user, but I couldn't find such information in the docs.
- If there is an active session belonging to the user, I want to prevent this user from deleting it, so I need such information.
- If we can't get the active session information, I can accept a different alternative answer. I am using `Spring boot` and `keycloak version 15.0.2`.
- 🔖
- 🔄
- `spring-boot` `keycloak`

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asked Jul 1, 2022 at 13:39



Muhammed Caylak

353 ● 1 ● 4 ● 17

1 Answer

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- You can get this API
- "Get user sessions for client Returns a list of user sessions associated with this client"
- GET `/[{realm}]/clients/{sessionId}/user-sessions?first={startIndex}&max={numberUser}`
- It is located in <https://www.keycloak.org/docs-api/15.0/rest-api/index.html>
- 🔖
- ✓ This is demo
- 🔄

1. Get master admin token

POST <http://localhost:8180/auth/realms/master/protocol/openid-connect/token>

Params Authorization Headers (9) **Body** Pre-request Script Tests Settings

☐ none ☐ form-data ☒ x-www-form-urlencoded ☐ raw ☐ binary ☐ GraphQL

KEY	VALUE	DESCRIPTION
<input checked="" type="checkbox"/> client_id	admin-cli	
<input checked="" type="checkbox"/> grant_type	password	
<input checked="" type="checkbox"/> username	admin	
<input checked="" type="checkbox"/> password	admin	

Body Cookies Headers (13) Test Results 🌐 Status: 200 OK

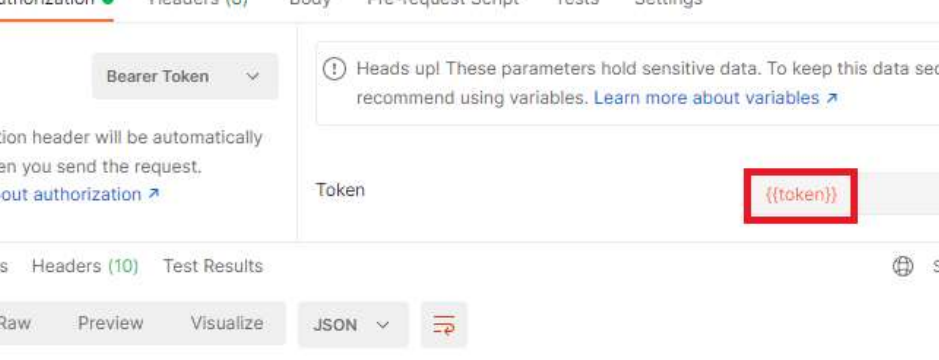
Pretty Raw Preview Visualize **JSON**

```

1 {
2   "access_token":
    "eyJhbGciOiJIUzI1NiIsInR5cCI6IkpzZW50b3R0IiwiaWF0Ij0iMTUwMjQ0MDAwMCJ9",
    "refresh_token": "ZTS0xmTlJlcVVRIn0."
  }

```

2. Get the list of "Account-console" client ID



The screenshot displays the Swagger UI interface for a REST client. The top bar shows the method 'GET' and the URL 'http://localhost:8180/auth/admin/realms/test/client-session-stats'. Below this, the 'Authorization' tab is selected, indicating a 'Bearer Token' is used. A warning message states: 'Heads up! These parameters hold sensitive data. To keep this data secure while working, we recommend using variables. Learn more about variables'. The 'Token' field contains the variable '{{token}}'. The 'Body' tab is also visible, showing a JSON response with two objects. The 'id' field of the second object is highlighted with a red box.

```
1 {
2   {
3     "offline": "0",
4     "clientId": "admin-cli",
5     "active": "2",
6     "id": "34e94699-25fd-48e3-bc59-02868163aad3"
7   },
8   {
9     "offline": "0",
10    "clientId": "account-console",
11    "active": "2",
12    "id": "e5dea77e-f964-4835-92e6-45876a768d5c"
13  }
14 }
```

3. Get the it's users session

GET <http://localhost:8180/auth/admin/realms/test/clients/e5dea77e-f964-4835-92e6-45876a768d5c/user-sessions?first=0&max=2>

Params Authorization Headers (8) Body Pre-request Script Tests Settings

Type Bearer Token

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

Token `{{token}}`

Body Cookies Headers (10) Test Results

Status: 200 OK Time: 13 ms Size: 864 B

```

1 [
2   {
3     "id": "37244539-29d3-4397-8131-3c3ebd05dbd3",
4     "username": "user1",
5     "userId": "539100f1-5fa3-4115-a6eb-38cacc3a74a",
6     "ipAddress": "172.18.0.1",
7     "start": 1656749207000,
8     "lastAccess": 1656749207000,
9     "clients": {
10      "e5dea77e-f964-4835-92e6-45876a768d5c": "account-console"
11    }
12  },
13  {
14    "id": "ca40e4cb-4964-4ca7-b5ae-35b8420c058c",
15    "username": "bench-vue",
16    "userId": "7d97e02f-db3e-40e8-8044-a3fef81b4987",
17    "ipAddress": "172.18.0.1",
18    "start": 1656749825000,
19    "lastAccess": 1656749826000,
20    "clients": {
21      "e5dea77e-f964-4835-92e6-45876a768d5c": "account-console"
22    }
23  }
24 ]

```

It should be match with Keycloak UI's client session information

Test Clients > account-console

Account-console

Settings Keys Roles Client Scopes Mappers Scope Revocation Sessions Offline Access Installation

Active Sessions 2

User	From IP	Session Start
user1	172.18.0.1	Jul 2, 2022 4:06:47 AM
bench-vue	172.18.0.1	Jul 2, 2022 4:17:05 AM

Show Sessions

1. if you want to prevent a deletion session of user, remove assigned realm management role

[Users](#) > user1User1 [Details](#) [Attributes](#) [Credentials](#) [Role Mappings](#) [Groups](#) [Consents](#) [Sessions](#) [Identity Provider Links](#)

Realm Roles	Available Roles ?	Assigned Roles ?	Effective Roles ?
	<div>offline_access uma_authorization</div> <div>Add selected ></div>	<div>default-roles-test</div> <div>« Remove selected</div>	<div>default-roles-test offline_access uma_authorization</div>
Client Roles	<div>realm-management</div>		
	<div>create-client impersonation manage-authorization manage-events manage-identity-providers</div> <div>Add selected »</div>	<div>manage-clients manage-realm manage-users</div> <div>« Remove selected</div>	<div>manage-clients manage-realm manage-users</div>

Then he/she can't call remove a user session API "Remove a specific user session" DELETE `/[{realm}]/sessions/{sessionId}`

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answered Jul 2, 2022 at 9:03

**Bench Vue****8,310** ● 2 ● 13 ● 17

- 1 "if you want to prevent a deletion session of user, remove assigned realm management role". yep, actually by default the normal users will have those roles anyway. – [dreamcrash](#) Jul 2, 2022 at 9:20