

simplex SAT Authentication

API & Example

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Single Access Token

Single Access Token (SAT) Authentication is a way to control access to specific video projects by installing a token generator on the customer Content Management System.

API Endpoint

URL	https://api.simplex.tv/webservice/http/rest/login/accesstokens
Parameters	<p>quantity={number} default value: 1 ttl={time_to_live_in_seconds} default value: 300 (5min), max value: 86400 (24h) owner={number} id of an entity (customer, author, project), for which tokens should be generated. This entity must be owned by the authorized user, default value - authorized user</p> <p>ownerType - type of an entity. Possible values are 1 for Login (customer & author) and 0 for Project. Default value is 0. This parameter has been added to prevent same ids of different entities.</p>
Header	Authorization: Basic YourAuthKey
HTTP Method	GET
Content-Type	application/json
Response-Type	application/json

The following example requests 3 tokens each validating access to a video for 60 seconds

Request

```
curl "https://api.simplex.tv/webservice/http/rest/login/accesstokens?quantity=3&ttl=60" \
-X GET \
-H "Authorization: Basic YourAuthKey" \
-H "Content-Type: application/json" \
-H "Accept: application/json"
```

Response (Example)

```
[ "mvr8cFzsgRHRZu16JvzTu5cvP3MZuE3Q3Y3ZE63ud1K%2Bb%2FDV%2Bwk74pWCSXzXSP1", "8CvyQRiLJZJnEtBbB9T71hR2PGkFFAit6%2FdvnzBzC0hcxG0xYyU%2BpYYvs2z1o1bV", "vk20wQGTAMUeeohFpzXw1ZDmzx%2BepBHqJ3USKzYPIfJsCHWnoCcXjas89C0Haa2" ]
```

Requirements

1. Customer/Author Special Configuration:
creator.authentication.type=singleaccesstoken
2. Project Configuration:
Activate Authentication > Single Access Token

Real World Example

1. Prepare HTTPS Request for SAT Token

YourAuthToken is your personal Author/Customer Authentication Key.

```
// Get cURL resource
$curl = curl_init();
$headers = array(
    'Content-Type:application/json',
    'Authorization: Basic YourAuthKey'
);
// Set some options
curl_setopt_array($curl, array(
    CURLOPT_URL => 'https://api.simplex.tv/webservice/http/rest/login/accesstokens', //
    SSL HTTPS Request URL
    CURLOPT_HTTPHEADER => $headers,
    CURLOPT_RETURNTRANSFER => 1,
    CURLOPT_VERBOSE => 1,
    CURLOPT_USERAGENT => 'cURL Request Script'
));
```

2. Execute HTTPS Request

```
if(!curl_exec($curl)){
    die('Error: "' . curl_error($curl) . '" - Code: ' . curl_errno($curl));
}
$resp = curl_exec($curl); // Execute Request and get response JSON Array
```

3. Parse Response

```
$resp_decoded = json_decode($resp,true);
$satID =$resp_decoded[0]; // Zeroth element is our token
curl_close($curl); // Close request to clear up some resources
```

4. Hand response to video call as GET Parameter

\$myID is the video ID

\$satID is the above received valid token

```
<iframe width="1280" height="720" src="<?php echo 'http://api.simplex.tv/content/1/11/'  
 . $myid . '/index.html?embed=1&sat=' . $satID ?>" frameborder="0" allowfullscreen="true"  
webkitallowfullscreen="true" mozallowfullscreen="true" scrolling="no"></iframe>
```