

# Interactive Login - API Endpoint

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## Overview and limitations

The API login endpoint is the simplest method of integration for most applications in terms of expected development time but comes at the cost of being less flexible to edge-cases than the embedded [Betfair embedded login page](#). It will allow a user to provide a username and password or a username and (password + 2 factor auth code) if they have strong authentication enabled.

- Customers who writing bots are for their own use are **strongly recommended** to use the [non-interactive endpoint](#) with an SSL certificate.
- We **recommend** that **3rd party applications** which will be exposed to a wide range of users use the Interactive Login method of embedding the [Betfair embedded login page](#) as this will allow your application to handle additional workflows, such as terms and conditions updates as well as additional jurisdictional specific identifiers.

The [Keep alive](#) and [logout](#) methods remain the same with this method of login.

## URL Definition (Global)

### API Login Endpoint

```
https://identitysso.betfair.com/api/login
```

## Other Jurisdictions

Please use the below if your country of residence is in one of the list jurisdictions.

| Jurisdiction | Endpoint  |
|--------------|---|
| Australia    | <a href="https://identitysso.betfair.com.au/api/login">https://identitysso.betfair.com.au/api/login</a> |
| Italy        | <a href="https://identitysso.betfair.it/api/login">https://identitysso.betfair.it/api/login</a>         |
| Spain        | <a href="https://identitysso.betfair.es/api/login">https://identitysso.betfair.es/api/login</a>         |
| Romania      | <a href="https://identitysso.betfair.ro/api/login">https://identitysso.betfair.ro/api/login</a>         |
| Sweden       | <a href="https://identitysso.betfair.se/api/login">https://identitysso.betfair.se/api/login</a>         |

## Parameters (POST)

| Name                        | Description  | Sample |
|-----------------------------|--|--------|
| <b>username</b> (mandatory) | The username to be used for the login  |        |
| <b>password</b> (mandatory) | The password to be used for the login. For strong auth customers, this should be their password with a 2 factor auth code appended to the password string. |        |

## Headers

| Name                             | Description   | Sample                            |
|----------------------------------|---|-----------------------------------|
| <b>Accept</b> (mandatory)        | Signals that the response should be returned as JSON        | application/json                  |
| <b>X-Application</b> (mandatory) | AppKey used by the customer to identify the product.        |                                   |
| <b>Content-Type</b> (required)   | Required to support passwords containing special characters | application/x-www-form-urlencoded |

The presence of the "Accept: application/json" will signal SSO that it should respond with JSON and not with a HTML page.

## POST Example

*Accept: application/json*

*X-Application: <AppKey>*

*Content-Type: application/x-www-form-urlencoded*

*URL endpoint: https://identitysso.betfair.com/api/login*

## Payload

*username=username&password=password*

## Curl call sample

```
curl -k -i -H "Accept: application/json" -H "X-Application: <AppKey>" -X POST -d
'username=<username>&password=<password>' https://identitysso.betfair.com/api/login
```

## Example of a successful login:

```
curl -k -i -H "Accept: application/json" -H "X-Application: <AppKey>" -X POST -d
'username=<username>&password=<password>' https://identitysso.betfair.com/api/login

{
  "token": "SESSION_TOKEN",
  "product": "APP_KEY",
  "status": "SUCCESS",
  "error": ""
}
```

## Response Structure

```
{
  "token": "<token_passed_as_header>",
  "product": "product_passed_as_header",
  "status": "<status>",
  "error": "<error>"
}
```

## Status Values

```
SUCCESS
LIMITED_ACCESS
LOGIN_RESTRICTED
FAIL
```

## Status Codes & Error values

The below describes the status codes that can be returned and the associated error values:

**LIMITED\_ACCESS** - Access is limited (e.g. accounts can login but can't bet due to account suspension), product session will be provided.

```
{
  "token": product_token,
  "product": product,
  "status": LIMITED_ACCESS,
  "error": error
}

error = {PENDING_AUTH | SECURITY_QUESTION_WRONG_3X | KYC_SUSPEND | SUSPENDED}
```

**LOGIN\_RESTRICTED** - login is restricted (in case of indirection point this is what will be returned), product session will not be provided:

```
{
  "token": "",
  "product": product,
  "status": LOGIN_RESTRICTED,
  "error": error
}

error = {STRONG_AUTH_CODE_REQUIRED | DENMARK_MIGRATION_REQUIRED | DANISH_AUTHORIZATION_REQUIRED |
SPAIN_MIGRATION_REQUIRED | SPANISH_TERMS_ACCEPTANCE_REQUIRED | ITALY_MIGRATION_REQUIRED |
ITALIAN_CONTRACT_ACCEPTANCE_REQUIRED | CHANGE_PASSWORD_REQUIRED | PERSONAL_MESSAGE_REQUIRED}
```

**FAIL** - All other cases are treated as errors, product session will not be provided:

```
{
  "token": "",
  "product": product,
  "status": FAIL,
  "error": error
}

error = {TRADING_MASTER | TRADING_MASTER_SUSPENDED | AGENT_CLIENT_MASTER | AGENT_CLIENT_MASTER_SUSPENDED |
DENMARK_MIGRATION_REQUIRED | INVALID_PIN | INVALID_USERNAME_OR_PASSWORD | PIN_DELETED_ON_FAILED_COUNT_EXCEEDED
| UNRECOGNIZED_DEVICE | DUPLICATE_CARDS | ACCOUNT_NOW_LOCKED | ACCOUNT_ALREADY_LOCKED |
SECURITY_RESTRICTED_LOCATION | BETTING_RESTRICTED_LOCATION | INVALID_CONNECTIVITY_TO_REGULATOR |
INVALID_CONNECTIVITY_TO_REGULATOR | INVALID_CONNECTIVITY_TO_REGULATOR_IT |
INVALID_CONNECTIVITY_TO_REGULATOR_DK| NOT_AUTHORIZED_BY_REGULATOR | NOT_AUTHORIZED_BY_REGULATOR |
NOT_AUTHORIZED_BY_REGULATOR_DK | NOT_AUTHORIZED_BY_REGULATOR_IT | TELBET_TERMS_CONDITIONS_NA | CLOSED |
SELF_EXCLUDED | NOT_AUTHORIZED_FOR_DOMAIN_ES | NOT_AUTHORIZED_FOR_DOMAIN_IT | NOT_AUTHORIZED_FOR_DOMAIN_COM |
AUTHORIZED_ONLY_FOR_DOMAIN_ES}
```

Please note that master account access is restricted for API/JSON requests.

```
{
  "token": "",
  "product": "APP_KEY",
  "status": FAIL,
  "error": error
}
```

```
error = {INPUT_VALIDATION_ERROR | FORBIDDEN | INVALID_USERNAME_OR_PASSWORD | NO_SESSION | INVALID_PIN |
INVALID_PIN_LOGIN_REQUEST | INVALID_PIN_LOGIN_REQUEST}
```

## Possible failure and exceptional return codes

| error                                   | Description  |
|---|--|
| ACCOUNT_ALREADY_LOCKED                  | the account is already locked  |
| ACCOUNT_NOW_LOCKED                      | the account was just locked  |
| ACCOUNT_PENDING_PASSWORD_CHANGE         | The account must undergo password recovery to reactivate via <a href="https://identitysso.betfair.com/view/recoverpassword">https://identitysso.betfair.com/view/recoverpassword</a> |
| ACTIONS_REQUIRED                        | You must login to <a href="https://www.betfair.com">https://www.betfair.com</a> to provide missing information.  |
| AGENT_CLIENT_MASTER                     | Agent Client Master  |
| AGENT_CLIENT_MASTER_SUSPENDED           | Suspended Agent Client Master  |
| AUTHORIZED_ONLY_FOR_DOMAIN_RO           | You are attempting to login to the Betfair Romania domain with a non .ro account.  |
| AUTHORIZED_ONLY_FOR_DOMAIN_SE           | You are attempting to login to the Betfair Swedish domain with a non .se account.  |
| BETTING_RESTRICTED_LOCATION             | the account is accessed from a location where betting is restricted  |
| CERT_AUTH_REQUIRED                      | Certificate required or certificate present but could not authenticate with it   |
| CHANGE_PASSWORD_REQUIRED                | Change password required   |
| CLOSED                                  | the account is closed  |
| DANISH_AUTHORIZATION_REQUIRED           | Danish authorization required  |
| DENMARK_MIGRATION_REQUIRED              | Denmark migration required   |
| DUPLICATE_CARDS                         | duplicate cards  |
| EMAIL_LOGIN_NOT_ALLOWED                 | This account has not opted in to log in with the email   |
| INTERNATIONAL_TERMS_ACCEPTANCE_REQUIRED | The latest international terms and conditions must be accepted prior to logging in.  |
| INVALID_CONNECTIVITY_TO_REGULATOR_DK    | the DK regulator cannot be accessed due to some internal problems in the system behind or in at regulator; timeout cases included.   |
| INVALID_CONNECTIVITY_TO_REGULATOR_IT    | the IT regulator cannot be accessed due to some internal problems in the system behind or in at regulator; timeout cases included.   |
| INVALID_USERNAME_OR_PASSWORD            | the username or password are invalid   |
| ITALIAN_CONTRACT_ACCEPTANCE_REQUIRED    | The latest Italian contract version must be accepted. You must login to the website to accept the new conditions.  |
| ITALIAN_PROFILING_ACCEPTANCE_REQUIRED   | You must login to the website to accept the new conditions   |

|                                      |  |
|--------------------------------------|--|
| KYC_SUSPEND                          | KYC suspended  |
| MULTIPLE_USERS_WITH_SAME_CREDENTIAL  | There is more than one account with the same credential  |
| NOT_AUTHORIZED_BY_REGULATOR_DK       | the user identified by the given credentials is not authorized in the DK's jurisdictions due to the regulators' policies. Ex: the user for which this session should be created is not allowed to act(play, bet) in the DK's jurisdiction. |
| NOT_AUTHORIZED_BY_REGULATOR_IT       | the user identified by the given credentials is not authorized in the IT's jurisdictions due to the regulators' policies. Ex: the user for which this session should be created is not allowed to act(play, bet) in the IT's jurisdiction. |
| PENDING_AUTH                         | pending authentication   |
| PERSONAL_MESSAGE_REQUIRED            | Personal message required for the user   |
| SECURITY_QUESTION_WRONG_3X           | the user has entered wrong the security answer 3 times   |
| SECURITY_RESTRICTED_LOCATION         | the account is restricted due to security concerns   |
| SELF_EXCLUDED                        | the account has been self-excluded   |
| SPAIN_MIGRATION_REQUIRED             | Spain migration required   |
| SPANISH_TERMS_ACCEPTANCE_REQUIRED    | The latest Spanish terms and conditions version must be accepted. You must login to the website to accept the new conditions.  |
| SUSPENDED                            | the account is suspended   |
| SWEDEN_BANK_ID_VERIFICATION_REQUIRED | You must provided your Swedish bank id via <a href="https://betfair.se">Betfair.se</a> before proceeding.  |
| SWEDEN_NATIONAL_IDENTIFIER_REQUIRED  | You must provided your Swedish National identifier via <a href="https://betfair.se">Betfair.se</a> before proceeding.  |
| TELBET_TERMS_CONDITIONS_NA           | Telbet terms and conditions rejected   |
| TEMPORARY_BAN_TOO_MANY_REQUESTS      | The limit for successful login requests per minute has been exceeded. New login attempts will be banned for 20 minutes   |
| TRADING_MASTER                       | Trading Master Account   |
| TRADING_MASTER_SUSPENDED             | Suspended Trading Master Account   |