# SaaSPro API Documentation



# Table of Contents

[SaaSPro API Documentation 1](#_Toc461780467)

[Table of Contents 1](#_Toc461780468)

[Overview 3](#_Toc461780469)

[Technology 3](#_Toc461780470)

[Domains 3](#_Toc461780471)

[API Methods 4](#_Toc461780472)

[General 4](#_Toc461780473)

[Auth 4](#_Toc461780474)

[Login 4](#_Toc461780475)

[Get Security Question 5](#_Toc461780476)

[Validate Security Answer 5](#_Toc461780477)

[Login Workflow 7](#_Toc461780478)

[Errors 8](#_Toc461780479)

[General 8](#_Toc461780480)

[Application Error 8](#_Toc461780481)

[Model Error 8](#_Toc461780482)

[Not authorized 8](#_Toc461780483)

[Auth 9](#_Toc461780484)

[Session Token Is Required 9](#_Toc461780485)

[Security Question Is Not Answered 9](#_Toc461780486)

[User Is Not Found 9](#_Toc461780487)

[Incorrect Password 10](#_Toc461780488)

[Incorrect Answer 10](#_Toc461780489)

[Not Selected Security Question 10](#_Toc461780490)

Version History

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Changed By** | **Comments** |
| 1.0 | September 16th, 2016 | Todd Mueller | Initial draft. |

# 

# Overview

The purpose of this document is to describe in detail all of the methods and information needed to access the SaaSPro API. Within each method listed below contains information pertaining to input parameters, output parameters and other information need to send and receive data.

## Technology

The technology used for this API and all API's being built is Microsoft's ASP.NET Web API. The Web API is a framework for building RESTful applications including browsers and mobile devices. More information can be found [here](http://www.asp.net/web-api).

## Domains

|  |  |  |
| --- | --- | --- |
| **Domain Name or Site Path** | **Default URL** | **Production** |
| https://{customer}.saaspro.net/api |  | Y |

# API Methods

## General

All methods (except Login) require http header “Authorization”. It must contain api token type of token (“ApiSessionKey” for session tokens) with result of Login method as value (example – “ApiSessionKey SkTnWwTcPEaDMR79dsoP4Q==”).

## Auth

### Login

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **URI** | | | **Method** | |
| /auth/login | | | POST | |
| **Description** | | | | |
| Validates email/password pair and create new session token. | | | | |
| **Input** | | | | |
| **Parameter** | **Type** | | **Description** | **Required** |
| Email | String | | User email | Yes |
| Password | String | | User password | Yes |
| **Output** | | | | |
| **Parameter** | **Type** | | **Description** | |
| Success | Boolean | | Is request was processed successfully | |
| Data | Structure | | Result data | |
| Data.Token | String | | Session code | |
| Data.ExpirationDate | Datetime | | Session code expiration date and time | |
| Error | Structure | | Error details | |
| **Error codes** | | | | |
| **Code number** | | **Description** | | |
| GN001 | | General error. Please contact support. | | |
| GN002 | | Incorrect input values found. | | |
| AU003 | | User is not found. | | |
| AU004 | | Incorrect password. | | |

### Get Security Question

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **URI** | | | **Method** | |
| /auth/get-security-question | | | GET | |
| **Description** | | | | |
| Returns security question | | | | |
| **Input** | | | | |
| **Parameter** | **Type** | | **Description** | **Required** |
| **Output** | | | | |
| **Parameter** | **Type** | | **Description** | |
| Success | Boolean | | Is request was processed successfully | |
| Data | String | | Security question | |
| Error | Structure | | Error details | |
| **Error codes** | | | | |
| **Code number** | | **Description** | | |
| GN001 | | General error. Please contact support. | | |
| GN003 | | Client is not authorized | | |
| AU001 | | Session token is expired | | |

### Validate Security Answer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **URI** | | | **Method** | |
| /auth/validate-security-answer | | | POST | |
| **Description** | | | | |
| Validates answer for security question for passing 2-step verification | | | | |
| **Input** | | | | |
| **Parameter** | **Type** | | **Description** | **Required** |
| Answer | String | | Answer for security question | Yes |
| **Output** | | | | |
| **Parameter** | **Type** | | **Description** | |
| Success | Boolean | | Is request was processed successfully | |
| Error | Structure | | Error details | |
| **Error codes** | | | | |
| **Code number** | | **Description** | | |
| GN001 | | General error. Please contact support. | | |
| GN002 | | Incorrect input values found. | | |
| GN003 | | Client is not authorized | | |
| AU001 | | Session token is expired | | |
| AU005 | | Provided answer is incorrect. | | |
| AU006 | | Security question wasn't selected for answering. It is necessary to call Get Security Question first. | | |

# Login Workflow

Auth > Login

Auth > Get Security Question

Auth > Validate Security Answer

# Errors

## General

### Application Error

|  |  |  |  |
| --- | --- | --- | --- |
| **Error Code** | **Description** | | |
| GN001 | General error. Please contact support. | | |
| **Output** | | | |
| **Parameter** | | **Type** | **Description** |
| ErrorCode | | String | Error code |
| ErrorMessage | | String | Error message |

### Model Error

|  |  |  |  |
| --- | --- | --- | --- |
| **Error Code** | **Description** | | |
| GN002 | Incorrect input values found. | | |
| **Output** | | | |
| **Parameter** | | **Type** | **Description** |
| ErrorCode | | String | Error code |
| ErrorMessage | | String | Error message |
| ModelErrors | | Collection of structure | Collection of model errors |
| ModelErrors.Field | | String | Field name with errors |
| ModelErrors.Errors | | Collection of string | Collection of error for field |

### Not authorized

|  |  |  |  |
| --- | --- | --- | --- |
| **Error Code** | **Description** | | |
| GN003 | Client is not authorized. | | |
| **Output** | | | |
| **Parameter** | | **Type** | **Description** |
| ErrorCode | | String | Error code |
| ErrorMessage | | String | Error message |

## Auth

### Session Token Is Required

|  |  |  |  |
| --- | --- | --- | --- |
| **Error Code** | **Description** | | |
| AU001 | Session token is required. | | |
| **Output** | | | |
| **Parameter** | | **Type** | **Description** |
| ErrorCode | | String | Error code |
| ErrorMessage | | String | Error message |

### Security Question Is Not Answered

|  |  |  |  |
| --- | --- | --- | --- |
| **Error Code** | **Description** | | |
| AU002 | Security question is not answered. | | |
| **Output** | | | |
| **Parameter** | | **Type** | **Description** |
| ErrorCode | | String | Error code |
| ErrorMessage | | String | Error message |

### User Is Not Found

|  |  |  |  |
| --- | --- | --- | --- |
| **Error Code** | **Description** | | |
| AU003 | User is not found. | | |
| **Output** | | | |
| **Parameter** | | **Type** | **Description** |
| ErrorCode | | String | Error code |
| ErrorMessage | | String | Error message |

### Incorrect Password

|  |  |  |  |
| --- | --- | --- | --- |
| **Error Code** | **Description** | | |
| AU004 | Incorrect password. | | |
| **Output** | | | |
| **Parameter** | | **Type** | **Description** |
| ErrorCode | | String | Error code |
| ErrorMessage | | String | Error message |

### Incorrect Answer

|  |  |  |  |
| --- | --- | --- | --- |
| **Error Code** | **Description** | | |
| AU005 | Provided answer is incorrect | | |
| **Output** | | | |
| **Parameter** | | **Type** | **Description** |
| ErrorCode | | String | Error code |
| ErrorMessage | | String | Error message |

### Not Selected Security Question

|  |  |  |  |
| --- | --- | --- | --- |
| **Error Code** | **Description** | | |
| AU006 | Security question wasn't selected for answering. | | |
| **Output** | | | |
| **Parameter** | | **Type** | **Description** |
| ErrorCode | | String | Error code |
| ErrorMessage | | String | Error message |