



Comevo has two integration options: Single Sign On (SSO) and API Integration. This document will provide an overview of what is involved in each option.

**Single Sign On** – Our Launch™ Online Orientation product offers a SAML2.0 Single Sign On (SSO) Integration. This allows you to use your existing authentication system to sign students in to their online orientation.

To set up SSO, we simply need a copy of your SAML2.0 metadata. Our system supports the following attributes by default: EPPN (Student ID), GivenName (First Name), SN (Last Name), and MAIL (Email Address).

**API Integration** – Our API can be used for the following purposes: sending a student to orientation, pulling completion information, pulling capture form responses, and pulling navigate placements. Our API uses OAuth2.0 protocol and our API responses are in JSON format.

Comevo's technical support team is here to answer any questions you have about the API. It is the client's responsibility to write the programming to pull data from our API and send it back into your student information system. The two most common API endpoints used are the accessKeys endpoint which is used to send students to orientation, and the attendees endpoint which is used to pull completion information.

Below is a sample response when obtaining an access key to send a student to orientation. Note that this is an alternative method to Single Sign On.

```
{
  "jsonapi": {
    "version": "1.0"
  },
  "links": {
    "self": "https://api.comevo.com/v3/launch/modules/1093/accesskeys"
  },
  "data": {
    "type": "accessKeys",
    "id": "077b8180-ebe9-436c-a56f-e60fc7677c4e",
    "attributes": {
      "maxUses": 1,
      "minutesUntilExpires": 15,
      "message": ""
    }
  }
}
```

The access key 077b8180-ebe9-436c-a56f-e60fc7677c4e then needs to be appended to the end of your Launch™ Online Orientation URL.

Below is a sample response when pulling attendee completion information for a module:

```
{
  "jsonapi": {
    "version": "1.0"
  },
  "links": {
    "self":
    "https://api.comevo.com/v3/launch/modules/1093/attendees?start=2019-11-18"
  },
  "data": [
    {
      "type": "attendees",
      "id": "1093.3412926",
      "attributes": {
        "userId": "3412926",
        "organizationIdValue": "123456789",
        "firstName": "Comevo",
        "lastName": "Example",
        "primaryEmail": "",
        "isComplete": true,
        "lastLogin": "2019-11-19T19:46:33.757Z",
        "completionDateTime": "2019-11-19T19:47:04.257Z",
        "expires": null,
        "finalTestQuestionCount": 5,
        "finalTestScore": 5
      }
    },
    {
      "type": "attendees",
      "id": "1093.3412928",
      "attributes": {
        "userId": "3412928",
        "organizationIdValue": "987654321",
        "firstName": "Demo",
        "lastName": "Student",
        "primaryEmail": "",
        "isComplete": true,
        "lastLogin": "2019-11-19T19:47:20.303Z",
        "completionDateTime": "2019-11-19T19:47:40.833Z",
        "expires": null,
        "finalTestQuestionCount": 5,
        "finalTestScore": 4
      }
    }
  ]
}
```

The data array will contain an attendee object for each user who has taken orientation. The organizationIdValue will be the student ID from your system.