1. 获得access token

[**https://jiaxing-stage.lms.sapsf.cn/learning/oauth-api/rest/v1/token**](https://jiaxing-stage.lms.sapsf.cn/learning/oauth-api/rest/v1/token)

黄色部分为每个客户sf learning系统的链接地址需要在后台建立配置表储存

**在请求head中写入两个参数**

1. Authorization: Basic amlheGluZzpjNjdmODBlODJlMWFkOGIzZjc0OGU1ODQ2YWQ5ODQ1Mzc2ZGU5NjU0ODNjNjM5NTAzMDZiMTAwYjdlMDhkMzFi

黄色部分为sf learning系统company id以及secret id以:拼接在用base64编码后的code,每个客户的instance有唯一一个

测试客户:

Company ID: jiaxing

Client ID: jiaxing

Secret: c67f80e82e1ad8b3f748e5846ad9845376de965483c63950306b100b7e08d31b

1. **Content-Type: application/json**

**在请求body中写入以下json参数**

{

"grant\_type": "client\_credentials",

"scope": {

"userId": "PLATEAU",

"companyId": "jiaxing",

"userType": "admin",

"resourceType": "learning\_public\_api"

}

}

Userid: 需要填入一个user的id号，之后生成的token会根据不同user的权限显示不同内容

Companyid：客户instance id

Usertype：user or admin

其他参数为固定值

注意：每次登入之前我们都使用需要一个最大权限的admin userid去抓取数据

**请求成功后的返回参数json参数**

{

"access\_token": "",

"expires\_in": 1800,

"token\_type": "Bearer"

}

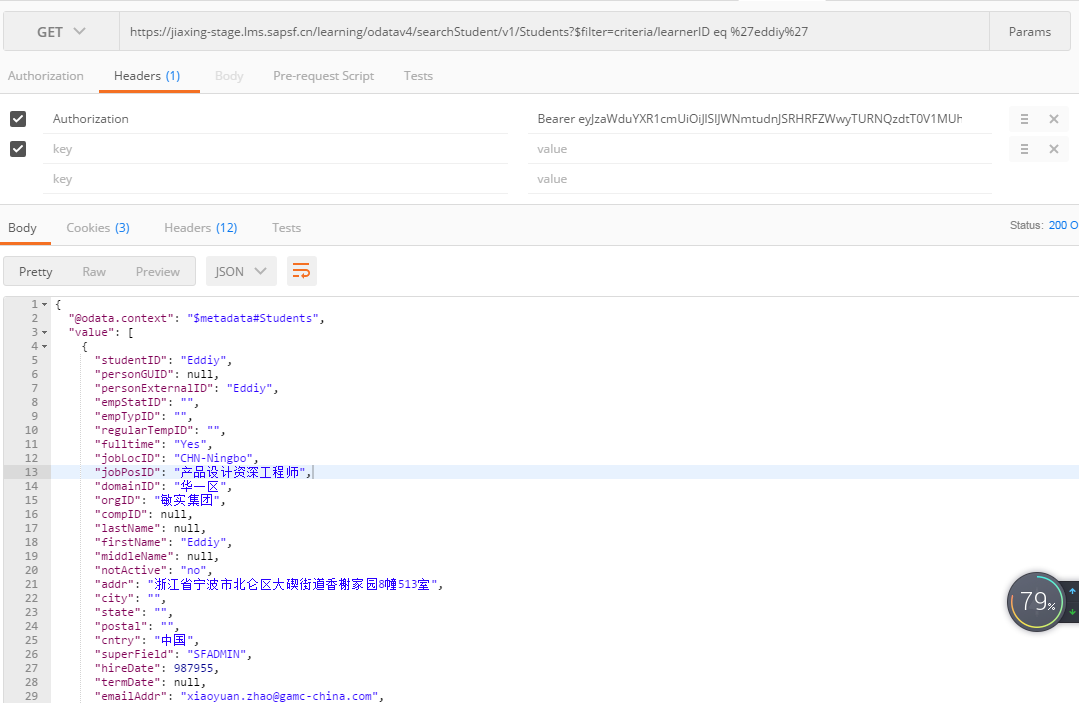
之后将token\_type + “空格”+ access\_token放在其他的odata请求中的head 参数A. Authorization中，就可以访问数据了

expires\_in为access\_token有效时间

1. 通过token得到userinfo

Example:

https://jiaxing-stage.lms.sapsf.cn/learning/odatav4/searchStudent/v1/Students?$filter=criteria/learnerID eq %27eddiy%27



将admin的access token放入header后发送

返回参数

{

"@odata.context": "$metadata#Students",

"value": [

{

"studentID": "Eddiy",

"personGUID": null,

"personExternalID": "Eddiy",

"empStatID": "",

"empTypID": "",

"regularTempID": "",

"fulltime": "Yes",

"jobLocID": "CHN-Ningbo",

"jobPosID": "产品设计资深工程师",

"domainID": "华一区",

"orgID": "敏实集团",

"compID": null,

"lastName": null,

"firstName": "Eddiy",

"middleName": null,

"notActive": "no",

"addr": "浙江省宁波市北仑区大碶街道香榭家园8幢513室",

"city": "",

"state": "",

"postal": "",

"cntry": "中国",

"superField": "SFADMIN",

"hireDate": 987955,

"termDate": null,

"emailAddr": "xiaoyuan.zhao@gamc-china.com",

"hasAccess": "Yes",

"selfReg": "N",

"locked": "No",

"regionID": "研发中心",

"roleID": "minthuser",

"profileStatus": "ACTIVE",

"accountID": null,

"posNumID": "",

"nativeDeeplinkUser": "No",

"criteria": null,

"totalCount": null

}

]

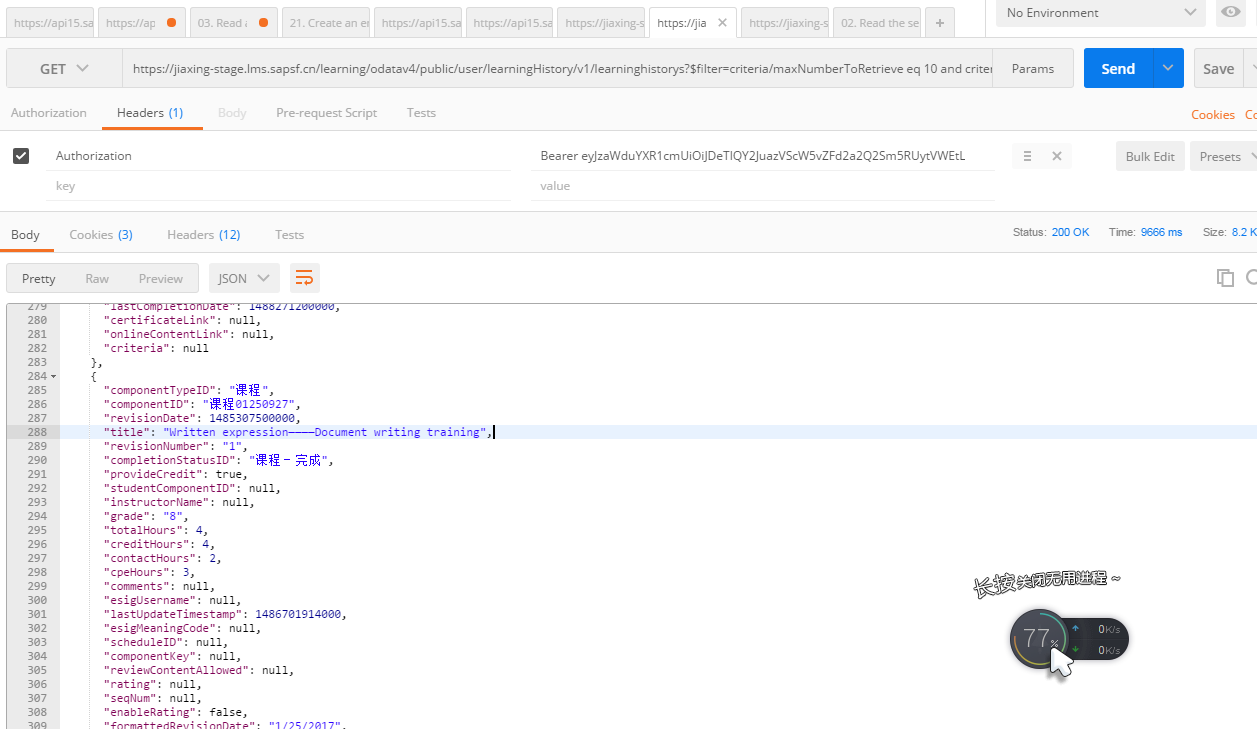
}

具体该api的返回参数和搜索规则参考sf learning api文档

1. 通过token得到user的课程信息

Example:

https://jiaxing-stage.lms.sapsf.cn/learning/odatav4/public/user/learningHistory/v1/learninghistorys?$filter=criteria/maxNumberToRetrieve eq 10 and criteria/targetUserID eq %27Eddiy%27



将admin的access token放入header后发送

返回参数

{

"@odata.context": "$metadata#learninghistorys",

"value": [

{

"componentTypeID": "课程",

"componentID": "Minth00001",

"revisionDate": 1490604840000,

"title": null,

"revisionNumber": "1",

"completionStatusID": "课程－完成",

"provideCredit": true,

"studentComponentID": 22003,

"instructorName": null,

"grade": null,

"totalHours": 4,

"creditHours": 2,

"contactHours": null,

"cpeHours": null,

"comments": null,

"esigUsername": null,

"lastUpdateTimestamp": 1490773118000,

"esigMeaningCode": null,

"scheduleID": null,

"componentKey": null,

"reviewContentAllowed": true,

"rating": null,

"seqNum": null,

"enableRating": false,

"formattedRevisionDate": "3/27/2017",

"completionDate": 1490773017000,

"status": "complete",

"ratingDate": null,

"ratingPending": null,

"lastCompletionDate": 1490773017000,

"certificateLink": null,

"onlineContentLink": null,

"criteria": null

},

{

"componentTypeID": null,

"componentID": null,

"revisionDate": 1491142080000,

"title": "TEST",

"revisionNumber": null,

"completionStatusID": null,

"provideCredit": false,

"studentComponentID": null,

"instructorName": null,

"grade": null,

"totalHours": null,

"creditHours": 1,

"contactHours": null,

"cpeHours": null,

"comments": null,

"esigUsername": null,

"lastUpdateTimestamp": 1489370791000,

"esigMeaningCode": null,

"scheduleID": -1000,

"componentKey": null,

"reviewContentAllowed": null,

"rating": null,

"seqNum": null,

"enableRating": null,

"formattedRevisionDate": "4/2/2017",

"completionDate": 1489370700000,

"status": null,

"ratingDate": null,

"ratingPending": null,

"lastCompletionDate": 1489370700000,

"certificateLink": null,

"onlineContentLink": null,

"criteria": null

},

{

"componentTypeID": "课程",

"componentID": "建立并维护信任",

"revisionDate": 1488181680000,

"title": "建立并维护信任",

"revisionNumber": "1",

"completionStatusID": "课程－完成",

"provideCredit": true,

"studentComponentID": 20001,

"instructorName": null,

"grade": "100",

"totalHours": 8,

"creditHours": 3,

"contactHours": 5,

"cpeHours": null,

"comments": null,

"esigUsername": null,

"lastUpdateTimestamp": 1489110769000,

"esigMeaningCode": null,

"scheduleID": null,

"componentKey": null,

"reviewContentAllowed": true,

"rating": null,

"seqNum": null,

"enableRating": false,

"formattedRevisionDate": "2/27/2017",

"completionDate": 1489110684000,

"status": "complete",

"ratingDate": null,

"ratingPending": null,

"lastCompletionDate": 1489110684000,

"certificateLink": null,

"onlineContentLink": null,

"criteria": null

},

{

"componentTypeID": "课程",

"componentID": "建立并维护信任",

"revisionDate": 1488181680000,

"title": "建立并维护信任",

"revisionNumber": "1",

"completionStatusID": "课程－完成",

"provideCredit": true,

"studentComponentID": 19001,

"instructorName": null,

"grade": "100",

"totalHours": 8,

"creditHours": null,

"contactHours": null,

"cpeHours": null,

"comments": null,

"esigUsername": null,

"lastUpdateTimestamp": 1488938355000,

"esigMeaningCode": null,

"scheduleID": null,

"componentKey": null,

"reviewContentAllowed": true,

"rating": null,

"seqNum": null,

"enableRating": false,

"formattedRevisionDate": "2/27/2017",

"completionDate": 1488938147000,

"status": "complete",

"ratingDate": null,

"ratingPending": null,

"lastCompletionDate": 1488938147000,

"certificateLink": null,

"onlineContentLink": null,

"criteria": null

},

{

"componentTypeID": "课程",

"componentID": "ALL—-HR---001",

"revisionDate": 1486309200000,

"title": "Labor dispute hot spots, difficulties, doubts all solutions ----under the new labor contract law",

"revisionNumber": "1",

"completionStatusID": "课程－完成",

"provideCredit": true,

"studentComponentID": 17001,

"instructorName": null,

"grade": "100",

"totalHours": 8,

"creditHours": 8,

"contactHours": 3,

"cpeHours": null,

"comments": null,

"esigUsername": null,

"lastUpdateTimestamp": 1488850549000,

"esigMeaningCode": null,

"scheduleID": null,

"componentKey": null,

"reviewContentAllowed": true,

"rating": null,

"seqNum": null,

"enableRating": false,

"formattedRevisionDate": "2/5/2017",

"completionDate": 1488783562000,

"status": "complete",

"ratingDate": null,

"ratingPending": null,

"lastCompletionDate": 1488783562000,

"certificateLink": null,

"onlineContentLink": null,

"criteria": null

},

{

"componentTypeID": null,

"componentID": null,

"revisionDate": 1491142080000,

"title": "test learning history",

"revisionNumber": null,

"completionStatusID": null,

"provideCredit": false,

"studentComponentID": null,

"instructorName": null,

"grade": null,

"totalHours": null,

"creditHours": null,

"contactHours": null,

"cpeHours": null,

"comments": "test",

"esigUsername": null,

"lastUpdateTimestamp": 1488444229000,

"esigMeaningCode": null,

"scheduleID": -1000,

"componentKey": null,

"reviewContentAllowed": null,

"rating": null,

"seqNum": null,

"enableRating": null,

"formattedRevisionDate": "4/2/2017",

"completionDate": 1488444180000,

"status": null,

"ratingDate": null,

"ratingPending": null,

"lastCompletionDate": 1488444180000,

"certificateLink": null,

"onlineContentLink": null,

"criteria": null

},

{

"componentTypeID": "课程",

"componentID": "ALL—-HR---001",

"revisionDate": 1486309200000,

"title": "Labor dispute hot spots, difficulties, doubts all solutions ----under the new labor contract law",

"revisionNumber": "1",

"completionStatusID": "课程－完成",

"provideCredit": true,

"studentComponentID": 16007,

"instructorName": null,

"grade": "100",

"totalHours": 8,

"creditHours": 8,

"contactHours": 3,

"cpeHours": null,

"comments": null,

"esigUsername": null,

"lastUpdateTimestamp": 1488444070000,

"esigMeaningCode": null,

"scheduleID": null,

"componentKey": null,

"reviewContentAllowed": true,

"rating": null,

"seqNum": null,

"enableRating": false,

"formattedRevisionDate": "2/5/2017",

"completionDate": 1488443846000,

"status": "complete",

"ratingDate": null,

"ratingPending": null,

"lastCompletionDate": 1488443846000,

"certificateLink": null,

"onlineContentLink": null,

"criteria": null

},

{

"componentTypeID": "课程",

"componentID": "ALL-002",

"revisionDate": 1486372680000,

"title": "Production and fire safety training",

"revisionNumber": "1",

"completionStatusID": "课程－完成",

"provideCredit": true,

"studentComponentID": 15003,

"instructorName": null,

"grade": null,

"totalHours": 1,

"creditHours": 1,

"contactHours": null,

"cpeHours": null,

"comments": null,

"esigUsername": null,

"lastUpdateTimestamp": 1488271472000,

"esigMeaningCode": null,

"scheduleID": null,

"componentKey": null,

"reviewContentAllowed": true,

"rating": null,

"seqNum": null,

"enableRating": false,

"formattedRevisionDate": "2/6/2017",

"completionDate": 1488271200000,

"status": "complete",

"ratingDate": null,

"ratingPending": null,

"lastCompletionDate": 1488271200000,

"certificateLink": null,

"onlineContentLink": null,

"criteria": null

},

{

"componentTypeID": "课程",

"componentID": "课程01250927",

"revisionDate": 1485307500000,

"title": "Written expression————Document writing training",

"revisionNumber": "1",

"completionStatusID": "课程－完成",

"provideCredit": true,

"studentComponentID": null,

"instructorName": null,

"grade": "8",

"totalHours": 4,

"creditHours": 4,

"contactHours": 2,

"cpeHours": 3,

"comments": null,

"esigUsername": null,

"lastUpdateTimestamp": 1486701914000,

"esigMeaningCode": null,

"scheduleID": null,

"componentKey": null,

"reviewContentAllowed": null,

"rating": null,

"seqNum": null,

"enableRating": false,

"formattedRevisionDate": "1/25/2017",

"completionDate": 1486541700000,

"status": "complete",

"ratingDate": null,

"ratingPending": null,

"lastCompletionDate": 1486541700000,

"certificateLink": null,

"onlineContentLink": null,

"criteria": null

},

{

"componentTypeID": "课程",

"componentID": "ALL-002",

"revisionDate": 1486372680000,

"title": "Production and fire safety training",

"revisionNumber": "1",

"completionStatusID": "课程－完成",

"provideCredit": true,

"studentComponentID": 8010,

"instructorName": null,

"grade": "75",

"totalHours": 1,

"creditHours": 1,

"contactHours": null,

"cpeHours": null,

"comments": null,

"esigUsername": null,

"lastUpdateTimestamp": 1486535599000,

"esigMeaningCode": null,

"scheduleID": null,

"componentKey": null,

"reviewContentAllowed": true,

"rating": null,

"seqNum": null,

"enableRating": false,

"formattedRevisionDate": "2/6/2017",

"completionDate": 1486535521000,

"status": "complete",

"ratingDate": null,

"ratingPending": null,

"lastCompletionDate": 1486535521000,

"certificateLink": null,

"onlineContentLink": null,

"criteria": null

}

]

}

具体该api的返回参数和搜索规则参考sf learning api文档