

**Hipass API**

**Version 0.1**

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# 1 Basics

## 1.1 API Access

### Base URI

<http://<hostname>/<resource>>

### Format

僅允許且自動轉換 json

### HTTP Status Codes.

Status	Meaning
200	OK
204	OK, no content
401	User is not authorized
404	Not found
500	Server operation error

## 2 APIs

### 2.1 POST token

獲得存取 API 的登入 token

#### Parameters

email	Api User 的登入帳號
password	Api User 的登入密碼

#### Response format

Key	Description	Example Value
user_token	認證 token	gDE9ujy4eyjWVrm2HkJf
user_email	此書局的登入帳號	admin@local.host

#### Example

##### *Request*

POST http://portal.study123.tw/token

##### *Request Body*

```
{"email": "admin@local.host", "password": "changeme"}
```

##### *Response*

```
{"user_email": "admin@local.host", "user_token": "gDE9ujy4eyjWVrm2HkJf"}
```

### 2.2 POST signin

POST http://{server\_ip\_hostname}/signin

遠端驗證學生帳號的登入

#### Parameters

email	User 的登入帳號
password	User 的登入密碼

#### Response format

{<user info>}

Key	Description	Example Value
email	User email	
uuid	User unique id	
locked		true
name	User full name	
nickname	User nickname	
gender	0=male, 1=female, 2=others	
phone	User phone	
mobile	User mobile phone	
address	User address	
zipcode	User zipcode	
birth	User birthday	
school	User school	
class_level		
class_code		
channel	Channel	
dept	Department	
trial	Is trial user.	true
sales_mobile	Mobile number of sales	
roles_name	List if roles. Available roles: sysadmin admin collaborator instructor assistant teacher quiz_solver sales parents student	["student"]
player_bonus_time	player's bonus time, 使用在所觀看課程為試讀狀況時	36000
boxes	擁有的尚未過期 box 陣列, 資料內容為包含 :	[{"box_id":"X318J9BH312345","password":"123456","bonus_time":36000}]

	box_id, password, bonus_time (int)	
--	---------------------------------------	--

## Example

### Request

POST http://portal.study123.tw/signin

### Request Body

```
{"email":"brian@local.host", "password":"13436588"}
```

### Response

```
{"email":"brian@local.host", "uuid":"bf70e039fc0744e3a2f1a5fbdb6ea999", "locked":false, "name":"Brian", "nickname":null, "gender":0, "phone":null, "mobile":"0911111111", "address":null, "zipcode":null, "birth":null, "school":"中山國中", "class_level":null, "class_code":null, "channel":null, "dept":null, "trial":true, "sales_mobile":null, "roles_name":["student"], "player_bonus_time":36000, "boxes":[{"box_id":"X318J9BH312345", "password":"123456", "bonus_time":36000}]}
```

### Error

Status	Meaning
422	Unprocessable Entity

```
{ "error": "xxx" }
```

## 2.3 GET knowledges

GET

http://{server\_ip\_hostname}/knowledges?user\_email={ user\_email }&user\_token={ user\_token }

取得某個類別 ( category ) 的所有 knowledges 列表

### Parameters

	Description	Example
category	類別代碼	VIDEO, EBOOK, ANIME
program	學級代碼( option)	S
subject	科目代碼( option)	SY
page	page( option)	
per_page	每頁幾筆資料(option), default : 30	

### Response Format

data : [{<knowledge>}, ...]

meta : {"cur":x,"next":x,"prev":x,"total":x,"count":x}

An list of knowledge

### knowledge Info

Field	Description	Example
id	(int) ID	1023
code	(string) 代碼	
name	(string) 名稱	
url	(string)	
snapshot_url	(string)	
keywords	(string) 關鍵字	
desc	(string)	
category	(string) 類別代碼	VIDEO
program	(string) 學級代碼	S
subject	(string) 科目代碼	SY
product	(string) 產品別代碼	EC
Source	(string) 內容來源代碼	Study123
timestamp	(int) 版號	1462108749552

### Example

#### Request

GET

http://portal.study123.tw/knowledges?user\_token=YRCW6DngoY8VfF9uaqLz&user\_email=api@study.com&category=VIDEO

#### Response

HTTP 200

```
{"data":[{"id":77,"code":"JBI99001ZZ1","name":" 凝血作用","url":"http://hipass.streaming.mediaservices.windows.net/230d70a1-c77b-474c-ada0-12a5530dd75f/JBI99001ZZ1.ism/manifest(format=m3u8-aapl)","snapshot_url":"https://study123.blob.core.windows.net/hipassmedia/JBI99001ZZ1/","keywords":" 凝血作用-蔡采靜","desc":"","category":"VIDEO","program":"J","subject":"BI","product":"JC","Source":"Study123","timestamp":1463461836383}], "meta":{"cur":1,"next":null,"prev":null,"total":1,"count":1}}
```

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.4 GET query knowledges

GET

```
http://{server_ip_hostname}/knowledges/query?user_email={ user_email}&user_token={ user_token}&q={query_string}
```

取得name, keywords, desc 欄位內包含某個搜尋字串的所有 knowledges 列表

### Parameters

	Description	Example
q	搜尋字串	磁力
page	page( option)	
per_page	每頁幾筆資料(option), default : 30	

### Response Format

**data** : [{<knowledge>}, ...]

**meta** : {"cur":x,"next":x,"prev":x,"total":x,"count":x}

An list of knowledge

### knowledge Info

Field	Description	Example
id	(int) ID	1023
code	(string) 代碼	
name	(string) 名稱	
url	(string)	
snapshot_url	(string)	
keywords	(string) 關鍵字	
desc	(string)	
category	(string) 類別代碼	VIDEO



program	(string) 學級代碼	S
subject	(string) 科目代碼	SY
product	(string) 產品別代碼	EC
Source	(string) 內容來源代碼	Study123
timestamp	(int) 版號	1462108749552

## Example

### Request

```
GET
http://portal.study123.tw/knowledges/query?user_token=YRCW6DngoY8V
fF9uaqLz&user_email=api@study.com&q=VIDEO
```

### Response

HTTP 200

```
{ "data": [ { "id": 77, "code": "JBI99001ZZ1", "name": " 凝血作用",
", "url": "http://hipass.streaming.mediaservices.windows.net/230d70a
1-c77b-474c-ada0-12a5530dd75f/JBI99001ZZ1.ism/manifest(format=m3u8
-aapl)", "snapshot_url": "https://study123.blob.core.windows.net/hip
assmedia/JBI99001ZZ1/", "keywords": " 凝血作用-蔡采靜,",
", "desc": "", "category": "VIDEO", "program": "J", "subject": "BI", "produ
ct": "JC", "Source": "Study123", "timestamp": 1463461836383 } ], "meta": { "
cur": 1, "next": null, "prev": null, "total": 1, "count": 1 } }
```

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
422	missing q parameter
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.5 GET teachers

```
GET
http://{server_ip_hostname}/teachers?user_email={ user_email}&user_tok
en={user_token}
```

取得所有 teachers 列表，可加上 since 的條件取得某版號之後的 teachers 列表

### Parameters

	Description	Example
since	版號(option), timestamp	1460421275147
page	page( option)	
per_page	每頁幾筆資料(option), default : 30	

### Response Format

**data** : [{<teacher>}, ...]

**meta** : {"cur":x,"next":x,"prev":x,"total":x,"count":x}

An list of teachers

### teacher Info

Field	Description	Example
id	(int) ID	1023
code	(string) 代碼	
name	(string) 名稱	
desc	(string)	
timestamp	(int) 版號	1462108749552

### Example

#### Request

GET

http://portal.study123.tw/teachers.json?user\_token=gDE9ujy4eyjWVrm2HkJf&user\_email=admin@local.host

#### Response

HTTP 200

```
{"data":[{"id":62,"code":"MG","name":"李非", "desc":null,"timestamp":1460421275143},{ "id":63,"code":"MH","name":"陳樂", "desc":null,"timestamp":1460421275147}], "meta":{"cur":1,"next":null,"prev":null,"total":1,"count":2}}
```

### **Error**

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.6 GET teachers version

GET

```
http://{server_ip_hostname}/teachers/version?user_email={ user_email}&user_token={ user_token}
```

取得所有 teachers 清單的最新版號

### **Response Format**

```
{"version":xxxxxxxxxxxx}
```

Field	Description	Example
version	(int) 最新版號	1462108749552

### **Example**

#### **Request**

GET

```
http://portal.study123.tw/teachers/version?user_token=gDE9ujy4eyjWVrm2HkJf&user_email=admin@local.host
```

#### **Response**

HTTP 200

```
{"version":1460421275147}
```

### **Error**

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.7 GET popular teachers

GET

```
http://{server_ip_hostname}/teachers/popular?user_email={ user_email}&
user_token={ user_token}&program={program code}&subject={subject code}
```

取得指定學程及科目，前五位熱門 teachers 及所屬12筆單元列表

### Parameters

	Description	Example
program	學程代碼	J
subject	科目代碼	CE

### Response Format

```
[{<teacher>, units:[<unit>,...]}, ...]
```

An list of teachers

### teacher Info

Field	Description	Example
code	(string) 代碼	
name	(string) 名稱	

### unit Info

Field	Description	Example
code	(string) 代碼	
name	(string) 名稱	
filesaver_url	(string) 縮圖位址	

### Example

#### Request

GET

```
http://portal.study123.tw/teachers/popular?user_token=gDE9ujy4eyjW
Vrm2HkJf&user_email= admin@local.host&program=S&subject=EN
```

## Response

HTTP 200

```
[{"code":"MA","name":"林名揚","units":[{"code":"SMA11003MA1","name":"有理數與無理數及其在數線上的作圖(範例2)","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA11003MA1/"},"{"code":"SMA11003MA2","name":"有理數與無理數在數線上的作圖(範例3~)","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA11003MA2/"},"{"code":"SMA11003MA3","name":"有理數：有限小數/有理數：循環小數","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA11003MA3/"},"{"code":"SMA11003MA4","name":"無理數：十分逼近法/乘法公式與平方根的運算","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA11003MA4/"},"{"code":"SMA11003MA5","name":"立方根的運算/無理數：雙重根號的簡化(範例21~23)","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA11003MA5/"},"{"code":"SMA11003MA6","name":"無理數：雙重根號的簡化(範例24~)/無理數的相等性質","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA11003MA6/"},"{"code":"SMA11003MA7","name":"算幾不等式","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA11003MA7/"},"{"code":"SMA11004MA1","name":"數線上的分點公式","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA11004MA1/"},"{"code":"SMA11004MA2","name":"絕對值方程式/絕對值不等式(1)","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA11004MA2/"},"{"code":"SMA11004MA3","name":"絕對值不等式(2)/折線函數求極值/絕對值三角不等式","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA11004MA3/"},"{"code":"SMA12005MA1","name":"函數圖形的變換/奇(偶)函數及函數的增減/線型函數/斜率","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA12005MA1/"},"{"code":"SMA12005MA2","name":"斜率(範例7~)","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SMA12005MA2/"}]}],...]
```

## Error

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.8 GET topics

GET

```
http://{server_ip_hostname}/topics?user_email={ user_email}&user_token={user_token}
```

取得主題列表

## Parameters

	Description	Example
since	版號(option), timestamp	1460421275147

## Response Format

```
{“grades”:[{“code”:"xxx", “subjects”:[{“code”:"xxx”,“topics”:[{<topic>, ...}],
{,..}],{“code”:"xxx”, “subjects”:[{“code”:"xxx”,“topics”:[{<topic>, ...}], {,..}],...}]}
```

## topic 列表

Field	Description	Example
id	(int) ID	1023
code	(string) 代碼	
name	(string) 名稱	
desc	(string)	
subject	(string) 科目代碼	SY
classes	(string) 開課班別	B4,C4
timestamp	(int) 版號	1462108749552

## Example

### Request

GET

[http://portal.study123.tw/topics?user\\_token=YRCW6DngoY8VfF9uaqLz&user\\_email=api@mail.com](http://portal.study123.tw/topics?user_token=YRCW6DngoY8VfF9uaqLz&user_email=api@mail.com)

### Response

HTTP 200

```
{“grades”:[{“code”:"06”,“subjects”:[{“code”:"CE”,“topics”:[{“id”:36,“code”:"SCE99”,“name”:" 補充教材”,“desc”:null,“subject”:"CE”,“classes”:"S2”,“timestamp”:1462755452752}],{“code”:"EN”,“topics”:[{“id”:94,“code”:"SEN99”,“name”:" 補充教材”,“desc”:null,“subject”:"EN”,“classes”:"S2”,“timestamp”:1462755453084}],{“code”:"MA”,“topics”:[]},{“code”:"PC”,“topics”:[]},{“code”:"BI”,“topics”:[]},{“code”:"EA”,“topics”:[]},{“code”:"PH”,“topics”:[{“id”:203,“code”:"SPH99”,“name”:" 補充教材
```

```

", "desc": null, "subject": "PH", "classes": "S2", "timestamp": 1462755453
570}}}, {"code": "CH", "topics": [{"id": 56, "code": "SCH99", "name": " 補充
教材
", "desc": null, "subject": "CH", "classes": "S2", "timestamp": 1462755452
872}}}, {"code": "HI", "topics": [{"id": 124, "code": "SHI99", "name": " 補充
教材
", "desc": null, "subject": "HI", "classes": "S2", "timestamp": 1462755453
245}}}, {"code": "GE", "topics": []}, {"code": "CV", "topics": []}, {"code":
: "NA", "topics": []}, {"code": "SY", "topics": []}}}, {...}, ...]}

```

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.9 GET topics version

GET

```
http://{server_ip_hostname}/topics/version?user_email={ user_email}&us
er_token={ user_token}
```

取得所有 topics 清單的最新版號

### Response Format

```
{"version":xxxxxxxxxxxxx}
```

Field	Description	Example
version	(int) 最新版號	1462108749552

### Example

#### Request

GET

```
http://portal.study123.tw/topics/version?user_token=gDE9ujy4eyjWVr
m2HkJf&user_email=admin@local.host
```

#### Response

HTTP 200

```
{"version":1460421275147}
```

### **Error**

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.10 GET popular topics

GET

```
http://{server_ip_hostname}/topics/popular?user_email={ user_email}&user_token={ user_token}&program={program code}&subject={subject code}
```

取得指定學程及科目，前九筆熱門 topics 及所屬12筆單元列表

### **Parameters**

	Description	Example
program	學程代碼	J
subject	科目代碼	CE

### **Response Format**

```
[{<topic>, units:[<unit>,...]}, ...]
```

An list of topics

### **topic Info**

Field	Description	Example
code	(string) 代碼	
name	(string) 名稱	

### **unit Info**

Field	Description	Example
code	(string) 代碼	
name	(string) 名稱	
fileserver_url	(string) 縮圖位址	



## Example

### Request

```
GET
http://portal.study123.tw/topics/popular?user_token=gDE9ujy4eyjWVr
m2HkJf&user_email=admin@local.host&program=S&subject=EN
```

### Response

```
HTTP 200
```

```
[{"code":"SEN08","name":"閱讀教本","units":[{"code":"SEN08001EC1","name":"閱讀教本
1-1(上)
","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08001EC1/"
},{
"code":"SEN08001EC2","name":"閱讀教本1-1(下)
","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08001EC2/"
},{
"code":"SEN08002EC1","name":"閱讀教本
1-2","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08002EC
1/"
},{
"code":"SEN08003EC1","name":"閱讀教本
1-3","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08003EC
1/"
},{
"code":"SEN08004EC1","name":"閱讀教本
1-4","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08004EC
1/"
},{
"code":"SEN08005EC1","name":"閱讀教本
1-5","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08005EC
1/"
},{
"code":"SEN08006EC1","name":"閱讀教本
1-6","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08006EC
1/"
},{
"code":"SEN08007EC1","name":"閱讀教本
2-1","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08007EC
1/"
},{
"code":"SEN08008EC1","name":"閱讀教本
2-2","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08008EC
1/"
},{
"code":"SEN08009EC1","name":"閱讀教本
2-3","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08009EC
1/"
},{
"code":"SEN08010EC1","name":"閱讀教本2-4(上)
","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08010EC1/"
},{
"code":"SEN08010EC2","name":"閱讀教本2-4(下)
","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/SEN08010EC2/"
}
]}
,{},....]
```

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.11 GET units

GET

```
http://{server_ip_hostname}/units?user_email={ user_email}&user_token={user_token}
```

取得主題列表

### Parameters

	Description	Example
topic	主題代碼(option), 已包含年級科目	TC
page	page( option)	1
per_page	每頁幾筆資料(option), default : 30	30

### Response Format

**data** : [{<unit>}, ...]

**meta** : {"cur":x,"next":x,"prev":x,"total":x,"count":x}

unit 列表

Field	Description	Example
id	(int) ID	1023
code	(string) 代碼	
name	(string) 名稱	
video_url	(string) 影片連結位置	
fileserver_url	(string) 縮圖位址	
keywords	(string) 關鍵字	
desc	(string)	
teacher	(string) 老師代碼	MH
topic	(string) 主題代碼	TC
source	(string) 來源代碼	Study123
product	(string) 產品代碼	EC
video_length	(int) 影片長度	552
timestamp	(int) 版號	1462108749552
class_name	(string) 所屬第一個班別名稱	小六上

## Example

### Request

```
GET
http://portal.study123.tw/units?user_token=YRCW6DngoY8VfF9uaqLz&user_email=api@mail.com
```

### Response

HTTP 200

```
{
  "data": [
    {
      "id": 3868,
      "code": "EBI11001NC1",
      "name": "研究生物的科學方法",
      "video_url": "",
      "fileserver_url": "https://study123.blob.core.windows.net/hipassmedia/EBI11001NC1/",
      "keywords": "科學方法的定義,科學方法的步驟-觀察,科學方法的步驟-提出問題,科學方法的步驟-參考文獻資料,科學方法的步驟-提出假設/設計實驗,科學方法的步驟-分析實驗數據,科學方法的步驟-討論&結論,科學方法的結論,試題練習",
      "desc": "",
      "teacher": "NC",
      "topic": "EBI11",
      "source": "Study123",
      "product": "EC",
      "video_length": 2755,
      "timestamp": 1464012326171
    },
    {
      "id": 3869,
      "code": "EBI11002NC1",
      "name": "地球起源與生命的發生",
      "video_url": "",
      "fileserver_url": "https://study123.blob.core.windows.net/hipassmedia/EBI11002NC1/",
      "keywords": "地球的形成,大氣的演變,試題解說,生命的起源,原始生命的特色,試題解說",
      "desc": "",
      "teacher": "NC",
      "topic": "EBI11",
      "source": "Study123",
      "product": "EC",
      "video_length": 2755,
      "timestamp": 1464012326185
    },
    {
      "id": 3870,
      "code": "EBI11003NC1",
      "name": "生命現象與生存環境",
      "video_url": "",
      "fileserver_url": "https://study123.blob.core.windows.net/hipassmedia/EBI11003NC1/",
      "keywords": "生命現象-生長,生命現象-發育/代謝,生命現象-感應/生殖/恆定,水與日光,空氣與養分,試題解說",
      "desc": "",
      "teacher": "NC",
      "topic": "EBI11",
      "source": "Study123",
      "product": "EC",
      "video_length": 2755,
      "timestamp": 1464012326191
    }
  ],
  "meta": {
    "cur": 1,
    "next": 2,
    "prev": null,
    "total": 1290,
    "count": 3868
  }
}
```

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.12 GET units version

```
GET
http://{server_ip_hostname}/units/version?user_email={ user_email }&user_token={ user_token }&topic={ topic_code }
```

取得全部或某個 topic 內所有 units 的最新版號

## Parameters

	Description	Example
topic	主題代碼(option), 未指定代表取得全部	TC

## Response Format

```
[{"topic_code":"xxxx","version":xxxx},.....]
```

Field	Description	Example
topic_code	(string)主題代碼	TC
version	(int) 最新版號, 0 代表目前無 unit	1462108749552

## Example

### Request

GET

```
http://portal.study123.tw/units/version?user_token=gDE9ujy4eyjWVrm  
2HkJf&user_email=admin@local.host&topic=SB01
```

### Response

HTTP 200

```
[{"topic_code":"SBI01","version":1462948985067}]
```

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.13 GET unit play token

GET

```
http://{server_ip_hostname}/units/play?user_email={ user_email}&user_t  
oken={user_token}&course={unit_code}&player={player_email}
```

取得 unit 的影片位址及播放 token, player\_email 是經由 post signin 登入之使用者 email, 且須以 URLEncoder.encode 之類的函數處理過以保留某些特殊字元

## Response Format

{"version":xxxxxxxxxxxxx}

Field	Description	Example
video	(string) 影片連結位置	
token	(string) 影片播放 token	
player_email	(string) 使用者 email	brianer@gmail.com
player_uuid	(string) 使用者 uuid	bf70e039fc0744e3a2f1a5fbdb6ea889
box_id	(string) 寶盒 id, 當無寶盒或寶盒過期為 null  trial 情況下: 1.如果有登錄過 box 且未過期, 不管 cloud_status 是不是有開, 都會回傳 box id, 若完全無登錄 box 或 box 過期才會回傳 null 2.若登錄的 box 其 bonus_time 為 0, 則改傳 null	0caa 8176 00e04c000004
bonus_time	(int) 試讀時間 (秒)	36000
use_bonus_time	(string) 試讀扣除時間對象 null : 付費影片, 無須定期扣除 player : 扣除 user 的 bonus_time box : 扣除 box 的 bonus_time  trial 情況下: 1.如果有登錄過 box 且未過期, 不管 cloud_status 是不是有開, 都會回傳 box, 若完全無登錄 box 或 box 過期才會回傳 player 2.若登錄的 box 其 bonus_time 為 0, 則改傳 player 的 bonus_time	
concurrent_session	(int) 同時觀看數	1

## Example

### Request

GET

```
http://portal.study123.tw/units/play?user_token=gDE9ujy4eyjWVrm2HkJf&user_email=admin@local.host&course=gdfghtyrt&player=brianer@gmail.com
```

### Response

HTTP 200

```
{ "video": "http://hipass.streaming.mediaservices.windows.net/b81082b1-10f4-4d0f-812a-b42bc6559e25/JCV01003SC1.ism/manifest(format=m3u8-aapl)", "token": "Bearer urn%3amicrosoft%3aazure%3amediaservices%3acontentkeyidentifier=09e46837-6fb9-4cd3-82d0-7c610978170a&Audience=urn%3astudy123&ExpiresOn=1466054851&Issuer=http%3a%2f%2fstudy123&HMACSHA256=sDyEobljX6b9u%2bekXs0Zx%2bwZSfixmw4%2fDv0zI2wTw6A%3d", "player_email": "brianer@gmail.com", "player_uuid": "bf70e039fc0744e3a2f1a5fbdb6ea883", "box_id": "0caa|8176|00e04c000004", "bonus_time": 36000, "concurrent_session": 2 }
```

### Error

Status	Meaning
422	Error with course id

```
{ "error": "xxx" }
```

## 2.14 GET query units

GET

```
http://{server_ip_hostname}/units/query?user_email={ user_email}&user_token={ user_token}&q={query_string}
```

取得主題列表

### Parameters

	Description	Example
q	搜尋字串	VIDEO
page	page( option)	1
per_page	每頁幾筆資料(option), default : 30	30

### Response Format

data : [{<unit>}, ...]

meta : {"cur":x,"next":x,"prev":x,"total":x,"count":x}

## unit 列表

Field	Description	Example
id	(int) ID	1023
code	(string) 代碼	
name	(string) 名稱	
video_url	(string) 影片連結位置	
fileserver_url	(string) 縮圖位址	
keywords	(string) 關鍵字	
desc	(string)	
teacher	(string) 老師代碼	MH
topic	(string) 主題代碼	TC
source	(string) 來源代碼	Study123
product	(string) 產品代碼	EC
timestamp	(int) 版號	1462108749552
class_name	(string) 所屬第一個班別名稱	小六上

## Example

### Request

GET

[http://portal.study123.tw/units/query?user\\_token=YRCW6DngoY8VfF9uaqLz&user\\_email=api@mail.com&q=VIDEO](http://portal.study123.tw/units/query?user_token=YRCW6DngoY8VfF9uaqLz&user_email=api@mail.com&q=VIDEO)

### Response

HTTP 200

```
{
  "data": [
    {
      "id": "3868",
      "code": "EBI11001NC1",
      "name": "研究生物的科學方法",
      "video_url": "",
      "fileserver_url": "https://study123.blob.core.windows.net/hipassmedia/EBI11001NC1/",
      "keywords": "科學方法的定義,科學方法的步驟-觀察,科學方法的步驟-提出問題,科學方法的步驟-參考文獻資料,科學方法的步驟-提出假設/設計實驗,科學方法的步驟-分析實驗數據,科學方法的步驟-討論&結論,科學方法的結論,試題練習",
      "desc": "",
      "teacher": "NC",
      "topic": "EBI11",
      "source": "Study123",
      "product": "EC",
      "video_length": 2755,
      "timestamp": 1464012326171
    },
    {
      "id": "3869",
      "code": "EBI11002NC1",
      "name": "地球起源與生命的發生",
      "video_url": "",
      "fileserver_url": "https://study123.blob.core.windows.net/hipassmedia/EBI11002NC1/",
      "keywords": "地球的形成,大氣的演變,試題解說,生命的起源,原始生命的特色,試題解說",
      "desc": "",
      "teacher": "NC",
      "topic": "EBI11",
      "source": "Study123",
      "product": "EC",
      "video_le"
    }
  ]
}
```

```

ngth":2755,"timestamp":1464012326185},{ "id":3870,"code":"EBI11003NC1","name":"
生命現象與生存環境
","video_url":"","fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/E
BI11003NC1/","keywords":"生命現象-生長,生命現象-發育/代謝,生命現象-感應/生殖/恆定,水與日
光,空氣與養分,試題解說,
","desc":"","teacher":"NC","topic":"EBI11","source":"Study123","product":"EC","video_le
ngth":2755,"timestamp":1464012326191}], "meta":{"cur":1,"next":2,"prev":null,"total":
1290,"count":3868}}

```

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
422	missing q parameter
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.15 GET popular units

GET

```

http://{server_ip_hostname}/units/popular?user_email={ user_email}&use
r_token={user_token}&program={program code}&subject={subject code}

```

取得指定學程及科目， 前十五筆熱門單元列表

### Parameters

	Description	Example
program	學程代碼	J
subject	科目代碼	CE

### Response Format

```
[{<unit>}, ...]
```

An list of units

### unit Info

Field	Description	Example
code	(string) 代碼	
name	(string) 名稱	



fileserver_url	(string) 縮圖位址	
----------------	---------------	--

## Example

### Request

```
GET
http://portal.study123.tw/units/popular?user_token=gDE9ujy4eyjWVrm
2HkJf&user_email=admin@local.host&program=S&subject=EN
```

### Response

HTTP 200

```
[{"code":"JCE10001CB1","name":"六書判別",
"fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/JCE10001CB1/"
}, {"code":"JCE10002CB1","name":"漢字常識-起源與演變/字體辨識",
"fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/JCE10002CB1/"
}, {"code":"JCE10002CB2","name":"漢字常識-書法名家欣賞/文房四寶",
"fileserver_url":"https://study123.blob.core.windows.net/hipassmedia/JCE10002CB2/"
},.....]
```

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.16 GET code units

```
GET
http://{server_ip_hostname}/units/code?user_email={ user_email}&user_t
oken={ user_token}
```

取得指定代碼的 unit 列表，若未指定則無回傳資料

### Parameters

	Description	Example
codes[]	unit 代碼, 可多筆	SPH57005NH1

page	page( option)	1
per_page	每頁幾筆資料(option), default : 30	30

## Response Format

**data** : [{<unit>}, ...]

**meta** : {"cur":x,"next":x,"prev":x,"total":x,"count":x}

unit 列表

Field	Description	Example
id	(int) ID	1023
code	(string) 代碼	
name	(string) 名稱	
video_url	(string) 影片連結位置	
fileserver_url	(string) 縮圖位址	
keywords	(string) 關鍵字	
desc	(string)	
teacher	(string) 老師代碼	MH
topic	(string) 主題代碼	TC
source	(string) 來源代碼	Study123
product	(string) 產品代碼	EC
video_length	(int) 影片長度	552
timestamp	(int) 版號	1462108749552
class_name	(string) 所屬第一個班別名稱	小六上

## Example

### Request

GET

[http://portal.study123.tw/units/code?user\\_token=YRCW6DngoY8VfF9uaqLz&user\\_email=api@mail.com&codes\[\]=EBI11001NC1&codes\[\]=EBI11002NC1](http://portal.study123.tw/units/code?user_token=YRCW6DngoY8VfF9uaqLz&user_email=api@mail.com&codes[]=EBI11001NC1&codes[]=EBI11002NC1)

### Response

HTTP 200

```
{
  "data": [
    {
      "id": 3868,
      "code": "EBI11001NC1",
      "name": "研究生物的科學方法",
      "video_url": "",
      "fileserver_url": "https://study123.blob.core.windows.net/hipassmedia/EBI11001NC1/",
      "keywords": "科學方法的定義,科學方法的步驟-觀察,科學方法的步驟-提出問題,科學方法的步驟-參考文獻資料,科學方法的步驟-提出假設/設計實驗,科學方法的步驟-分析實驗數據,科學方法"
    }
  ]
}
```

的步驟-討論&結論,科學方法的結論,試題練習,  
 ", "desc": "", "teacher": "NC", "topic": "EBI11", "source": "Study123", "product": "EC", "video\_length": 2755, "timestamp": 1464012326171}, {"id": 3869, "code": "EBI11002NC1", "name": "地球起源與生命的發生", "video\_url": "", "fileserver\_url": "https://study123.blob.core.windows.net/hipassmedia/EBI11002NC1/", "keywords": "地球的形成,大氣的演變,試題解說,生命的起源,原始生命的特色,試題解說", "desc": "", "teacher": "NC", "topic": "EBI11", "source": "Study123", "product": "EC", "video\_length": 2755, "timestamp": 1464012326185}], "meta": {"cur": 1, "next": 2, "prev": null, "total": 1290, "count": 3868}}

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.17 GET platform version

```
GET http://{server_ip_hostname}/versions/{platform}
```

取得某個 platform 的最新版號

### Response Format

```
{"platform": "xxxx", "version": "xxxx", .....}
```

Field	Description	Example
platform	(string) 平台編碼	IPHONE
version	(int) 最新版號	0.0.0.0
min_version	(int)	0.0.0.0

### Example

#### Request

```
GET http://portal.study123.tw/versions/IPHONE
```

#### Response

```
HTTP 200
```

```
{ "id": 2, "platform": "IPHONE", "version": "0.0.0.0", "min_version": "0.0.0.0", "note": "", "created_at": "2016-04-11T11:56:45.000+08:00", "updated_at": "2016-06-06T17:53:05.000+08:00" }
```

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.18 POST boxes

POST

```
http://{server_ip_hostname}/boxes?user_email={ user_email}&user_token={ user_token }
```

建立或更新 Box 資料 (啟用或關閉)

### Parameters

{"box": {<attributes>}}	包含必要欄位(參考下表)的 topic object,
-------------------------	-----------------------------

### attributes:

Field	Description	Example
box_id	(string) box 代碼	
product_id	(string) 產品編碼	
parent_email	(string) 家長 email	pap@gmail.com
parent_uuid	(string) 家長編號	9574b2e7-e1b5-4b4d-b882-6ae3d1827f9e-1
user1_email	(string) 第一個學生 email(option)	andy@gmail
user1_uuid	(string) 第一個學生編號(option)	9574b2e7-e1b5-4b4d-b882-6ae3d1827f9e-1
user2_email	(string) 第二個學生 email (option)	mary@gmail.com
user2_uuid	(string) 第二個學生編號(option)	9574b2e7-e1b5-4b4d-b882-6ae3d1827f9e-1
cloud_status	(boolean) 啟用狀態	true, false
expired_date	(int) 截止期限, timestamp(秒)	1462108749
password	(string) password (option)	

## Example

### Request

```
POST
http://portal.study123.tw/boxes?user_token=YRCW6DngoY8VfF9uaqLz&user_email=api@mail.com
```

### Request Body

```
{ "box": { "box_id": "0aaa|8176|00e04c000004", "product_id": "S-C-CE16ZZZZ-MA16MAZZ-BI14ZZZZ-HI16SBZZ-GE16SDZZ-CV16SCZZ-00000000-00000000-00000000-0010000000-03", "user1_email": "andy@gmail.com", "user1_uid": "dfe1ac8306944a5a9dc6fb309e7e768b", "status": false, "expired_date": 1462108749552 } }
```

### Response

It returns no content if box created or updated successfully (status : 204) . Otherwise it returns error info.

### Error

Status	Meaning
400	Invalid request
401	User is not authorized
422	Invalid filed
500	Service unavailable (DB issue)

```
{ "error": "xxx" }
```

## 2.19 POST usage

```
POST
http://{server_ip_hostname}/usage?user_email={ user_email}&user_token={user_token}
```

扣除所傳 id 對象之 bonus\_time (每次扣 5 分鐘)

### Parameters

<pre>{"box_id": "&lt;box_id&gt;"} or {"player_uuid": "&lt;player_uuid&gt;"}</pre>	<p>依由 GET unit play token api 所取得之 use_bonus_time 決定是否需要扣除 bonus_time 及扣除的對象</p> <p>null : 付費影片, 無須定期呼叫此扣除 bonus_time api</p> <p>player : 扣除 user 的 bonus_time, 傳遞 player_uuid</p> <p>box : 扣除 box 的 bonus_time, 傳遞 box_id</p>
---	--

--	--

## Example

### Request

POST

http://portal.study123.tw/usage?user\_token=YRCW6DngoY8VfF9uaqLz&user\_email=api@mail.com

### Request Body

```
{"player_uuid": "kk70e039fc0744e3a2f1a5fbd6ea883"}
```

### Response

It returns no content (status : 204) .

### Error

Status	Meaning
400	Invalid request
500	Service unavailable (DB issue)

## 2.20 GET sales\_code validity

GET

http://{server\_ip\_hostname}/users/sales\_code??user\_email={ user\_email}&user\_token={ user\_token}&code={sales\_code}

取得某個 sales code 是否合法

### Parameters

	Description	Example
code	sales_code	1000912345678

### Response Format

```
{"validity":true | false}
```

Field	Description	Example
validity	(boolean) validity	true

## Example

### *Request*

GET

```
http://portal.study123.tw/users/sales_code?user_token=YRCW6DngoY8V  
fF9uaqLz&user_email=api@mail.com&code=1000912345678
```

### *Response*

HTTP 200

```
{"validity":true}
```

### *Error*

Status	Meaning
400	Invalid request
401	User is not authorized
500	Unexpected error

```
{ "error": "xxx" }
```