

# 教育體系身份認證服務 Open API

## 1. 名詞定義

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- Identity Provider: Identity Provider 縮寫為 IdP, 為身分認證服務提供者。
- 教育部單位代碼: 教育部統計處所訂之各級學校代碼、教育部資訊及科技教育司所訂之縣市教育主管機關代碼及其縣市教育網路中心代碼。
- 政府機關/單位物件識別碼: 為行政院國家發展委員會提供之中央及地方機關清單及唯一識別編碼, 用以作為資訊物件之唯一識別符號, 在本文件中說明之相關查詢服務僅限學校範圍 (2.16.886.111) 。

## 2. RESOURCE ENDPOINTS

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- 提供單一教育部學校代碼查詢服務（學校資料若有疏漏再請告知），會回傳歷年（100 年至今）的代碼資料

用途	取得在 Identity Provider 內建之單筆學校資料。	Method	Http Get
Security	Public OPEN API		
URL	https://oidc.tanet.edu.tw/moeresource/api/v2/eduoid/all/eduid/教育部學校代碼		
Sample Request	GET /moeresource/api/v2/eduoid/all/eduid/363601 HTTP/1.1 Host: oidc.tanet.edu.tw Accept: application/json		

Sample Response

```
[
  {
    "eduid": "363601",
    "year": "104",
    "schoolname": "市立蓬萊國小",
    "county": "[36]臺北市",
    "oid": "2.16.886.111.90003.90003.100006",
    "tel": "(02)25569835",
    "url": "http://enable.plps.tp.edu.tw/modules/tadnews/",
    "address": "[103]臺北市大同區星明里寧夏路 35 號",
    "coordinates": "25.0563873,121.5157097",
    "schoolsystem": [
      "國民小學"
    ]
  },
  {
    "eduid": "363601",
    "year": "105",
    "schoolname": "市立蓬萊國小",
    "county": "[36]臺北市",
    "oid": "2.16.886.111.90003.90003.100006",
    "tel": "(02)25569835",
    "url": "http://enable.plps.tp.edu.tw/modules/tadnews/",
```

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```
"address": "[103]臺北市大同區星明里寧夏路 35 號",
"coordinates": "25.0563873,121.5157097",
"schoolsystem": [
  "國民小學"
]
},
{
  "eduid": "363601",
  "year": "106",
  "schoolname": "市立蓬萊國小",
  "county": "[36]臺北市",
  "oid": "2.16.886.111.90003.90003.100006",
  "tel": "(02)25569835",
  "url": "http://enable.plps.tp.edu.tw/modules/tadnews/",
  "address": "[103]臺北市大同區星明里寧夏路 35 號",
  "coordinates": "25.0563873,121.5157097",
  "schoolsystem": [
    "國民小學"
  ]
},
{
  "eduid": "363601",
  "schoolname": "市立蓬萊國小",
  "year": "99",
  "county": "[36]臺北市",
  "oid": "2.16.886.111.90003.90003.100006",
  "tel": "(02)25569835",
  "url": "http://enable.plps.tp.edu.tw/modules/tadnews/",
  "address": "[103]臺北市大同區星明里寧夏路 35 號",
  "coordinates": "25.0563873,121.5157097",
  "schoolsystem": [
    "國民小學"
  ]
},
{
  "eduid": "363601",
  "schoolname": "市立蓬萊國小",
```

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```
"year": "101",
"county": "[36]臺北市",
"oid": "2.16.886.111.90003.90003.100006",
"tel": "(02)25569835",
"url": "http://enable.plps.tp.edu.tw/modules/tadnews/",
"address": "[103]臺北市大同區星明里寧夏路 35 號",
"coordinates": "25.0563873,121.5157097",
"schoolsystem": [
  "國民小學"
]
},
{
  "eduid": "363601",
  "schoolname": "市立蓬萊國小",
  "year": "102",
  "county": "[36]臺北市",
  "oid": "2.16.886.111.90003.90003.100006",
  "tel": "(02)25569835",
  "url": "http://enable.plps.tp.edu.tw/modules/tadnews/",
  "address": "[103]臺北市大同區星明里寧夏路 35 號",
  "coordinates": "25.0563873,121.5157097",
  "schoolsystem": [
    "國民小學"
  ]
}
]
```

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- 提供單一教育部學校代碼查詢服務（學校資料若有疏漏再請告知），會回傳此代碼資料在資料庫中最新的一筆記錄，但非最新學年度資料

<b>用途</b>	取得在 <b>Identity Provider</b> 內建之單筆學校資料。	<b>Method</b>	Http Get
<b>Security</b>	Public OPEN API		
<b>URL</b>	https://oidc.tanet.edu.tw/moeresource/api/v2/eduoid/single/eduid/教育部學校代碼		
<b>Sample Request</b>	GET /moeresource/api/v2/eduoid/single/eduid/363601 HTTP/1.1 Host: oidc.tanet.edu.tw Accept: application/json		
<b>Sample Response</b>	[ { "eduid": "363601", "year": "109", "schoolname": "市立蓬萊國小", "county": "[36]臺北市", "oid": "2.16.886.111.90003.90003.100006", "tel": "(02)25569835", "url": "http://enable.plps.tp.edu.tw/modules/tadnews/", "address": "[103]臺北市大同區星明里寧夏路 35 號", "coordinates": "25.0563873,121.5157097", "schoolsystem": [ "國民小學" ] ] ]		

- 提供單一年度單一教育部學校代碼查詢服務（學校資料若有疏漏再請告知），會回傳歷年（100 年至今）的代碼資料

<b>用途</b>	取得在 <b>Identity Provider</b> 內建之單筆學校資料。	<b>Method</b>	Http Get
<b>Security</b>	Public OPEN API		
<b>URL</b>	https://oidc.tanet.edu.tw/moeresource/api/v2/eduoid/all/學年度/教育部學校代碼		
<b>Sample Request</b>	GET /moeresource/api/v2/eduoid/all/109/084748 HTTP/1.1 Host: oidc.tanet.edu.tw Accept: application/json		
<b>Sample Response</b>	<pre>[   {     "eduid": "084748",     "schoolname": "縣立漳興國小",     "year": "109",     "address": "[540]南投縣南投市復興路 669 號",     "coordinates": "23.9188457,120.68175989999997",     "county": "[08]南投縣",     "oid": "2.16.886.111.90011.90001.100014",     "schoolsystem": [       "國民小學"     ],     "tel": "(049)2224013",     "url": "http://www.chps.ntct.edu.tw"   } ]</pre>		

- 提供以校名及學年度關鍵字查詢教育部各級學校名錄資料

用途	取得在 Identity Provider 內建符合某校名及學年度之所有教育部各級學校資料。	Method	Http Get
Security	Public OPEN API		
URL	https://oidc.tanet.edu.tw/moeresource/api/v2/eduoid/search/schoolname/學年度/校名關鍵字		
Sample Request	GET /moeresource/api/v2/eduoid/search/schoolname/106/大同 HTTP/1.1 Host: oidc.tanet.edu.tw Accept: application/json		
Sample Response	<pre>[   {     "eduid": "024X31",     "schoolname": "宜蘭縣大同鄉南山國民小學附設幼兒園",     "year": "106",     "county": "[02]宜蘭縣",     "oid": "2.16.886.111.90020.90011.100002",     "tel": "(03)9808042",     "url": "",     "address": "[267]宜蘭縣大同鄉南山村4鄰埤南巷31之3號",     "coordinates": "24.4378054,121.37983029999998",     "schoolsystem": [       "幼兒園"     ]   }, {     "eduid": "024X38",     "schoolname": "宜蘭縣大同鄉四季國民小學附設幼兒園",     "year": "106",     "county": "[02]宜蘭縣",     "oid": "2.16.886.111.90020.90011.100000",     "tel": "(03)9809312#19",     "url": "",     "address": "[267]宜蘭縣大同鄉四季村5鄰和勳巷1號",     "coordinates": "24.4880169,121.42600990000005",     "schoolsystem": [       "幼兒園"     ]   } ]</pre>		

● 以學校代碼查詢 OID 資料

<b>用途</b>	取得在 <b>Identity Provider</b> 內建符合某學校代碼之 OID 資料。	<b>Method</b>	Http Get
<b>Security</b>	Public OPEN API		
<b>URL</b>	https://oidc.tanet.edu.tw/moeresource/api/v2/eduoid/query/xcaoid/教育部學校代碼		
<b>Sample Request</b>	GET /moeresource/api/v2/eduoid/query/xcaoid/193610 HTTP/1.1 Host: oidc.tanet.edu.tw Accept: application/json		
<b>Sample Response</b>	<pre>[   {     "orgname": "臺中市西區大同國民小學",     "oid": "2.16.886.111.90027.90003.100000",     "tel": "04-22222311",     "address": "臺中市西區自由路 1 段 138 號",     "dn": "O=大同國民小學,L=西區,L=臺中市,C=TW",     "update": "2021-04-19T16:00:00Z"   } ]</pre>		



● 以組織憑證的 DN 查詢對應之學校資料

<b>用途</b>	取得在 <b>Identity Provider</b> 內建符合某學校代碼之 OID 資料。	<b>Method</b>	Http Post
<b>Security</b>	Public OPEN API		
<b>URL</b>	https://oidc.tanet.edu.tw/moeresource/api/v2/eduoid/query/eduoid/distinguishedname		
	POST /moeresource/api/v2/eduoid/query/eduoid/distinguishedname HTTP/1.1		
	Host: oidc.tanet.edu.tw		
	Content-Type: application/json		
<b>Sample Request</b>	<pre>{   "certType": "XCA",   "certb64": "",   "sn": "eb5827df412cca97ab714bd821be80cc",   "subjectDN": "OU=臺南市天主教聖功女子高級中學,O=天主教聖功學校財團法人,L=臺南市,C=TW",   "subjectID": "",   "keyUsage": "" }</pre>		
<b>Sample Response</b>	<pre>[   {     "schoolname": "財團法人聖功女中附設國中",     "year": "107",     "eduoid": "211304",     "county": "[21]臺南市",     "oid": "2.16.886.104.90028.100003.100000",     "tel": "(06)2740126",     "url": "http://www.skgsh.tn.edu.tw",     "address": "[704]臺南市北區北園街 87 巷 64 號",     "coordinates": "23.0148563,120.22124269999995",     "schoolsystem": [       "國民中學",       "附設中學"     ]   } ]</pre>		

● 以憑證內含之學制及校名查詢對應之學校資料

<b>用途</b>	取得在 <b>Identity Provider</b> 內建符合某學校代碼之 OID 資料。	<b>Method</b>	Http POST
<b>Security</b>	Public OPEN API		
<b>URL</b>	https://oidc.tanet.edu.tw/moeresource/api/v2/eduoid/query/certinfo		
	POST / moeresource/api/v2/eduoid/query/certinfo HTTP/1.1		
	Host: oidc.tanet.edu.tw		
	Content-Type: application/json		
<b>Sample Request</b>	<pre>{   "location":["臺中市","西區"],   "schoolname":"大同",   "schoolsystem":"國民小學" }</pre>		
<b>Sample Response</b>	<pre>[   {     "eduid":"193610",     "year":"104",     "schoolname":"市立大同國小",     "county":["19"]臺中市",     "oid":"2.16.886.111.90027.90003.100000",     "tel":"(04)22222311",     "url":"http://www.dtes.tc.edu.tw",     "address":["403"]臺中市西區自由路一段 138 號",     "coordinates":"24.1357762,120.67792830000008",     "schoolsystem":["國民小學"]   },   {     "eduid":"193610",     "year":"105",     "schoolname":"市立大同國小",     "county":["19"]臺中市",     "oid":"2.16.886.111.90027.90003.100000",     "tel":"(04)22222311",     "url":"http://www.dtes.tc.edu.tw",</pre>		

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```
"address":["403]臺中市西區自由路一段 138 號",  
"coordinates":"24.1357762,120.67792830000008",  
"schoolsystem":["國民小學"]  
}  
]
```

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