

# PowerBI Embedded 操作手册

pharbers dev

---

2020-07-06

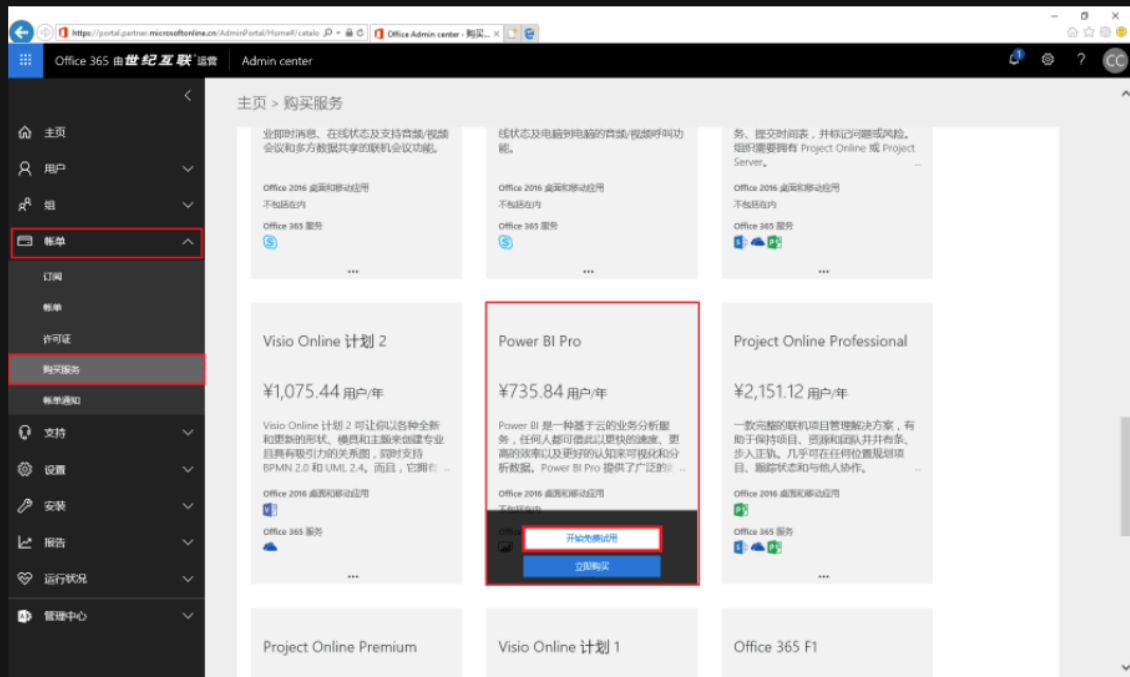
pharbers dev	1
1. 给账号赋予Power BI Pro的使用权限	2
2. 登录azure创建Power BI Embedded	3
3. 登录PowerBI主页，创建工作区	4
4. 创建应用注册，为嵌入图表做桥梁	5
5. 为注册应用添加PowerBI权限	6
6. 获取AccessToken，为生成 Embedded Token做准备	7
7. 使用 Access Token 获取 Embedded Token	8
8. 修改页面代码中使用的配置参数	9

# 1. 给账号赋予Power BI Pro的使用权限

参考链接：<https://docs.azure.cn/zh-cn/articles/azure-operations-guide/power-bi-embedded/aog-power-bi-embedded-qa-creation-issue%E6%93%8D%E4%BD%9C%E6%AD%A5%E9%AA%A4>

## 操作步骤

1. 使用您的账号登录 [Office 365 Admin center](#)。
2. 在左侧 账单 栏下找到 购买服务 选项。在右侧的服务中找到 **Power BI Pro**。点击 开始免费试用。



北京法伯宏业科技发展有限公司

## 订阅

Power BI Pro版

试用

许可证  
可用  
已分配 1

分配给用户

说明

25  
2

Power BI 是一种基于云的业务分析服务。让任何人都能可视化和分析数据，更迅速、更高效地获得更好的认知。Power BI Pro 提供了广泛的数据源支持、数据容量、团队协作和管理功能。

活动

将于 2020年7月31日过期

¥735.84 用户/年

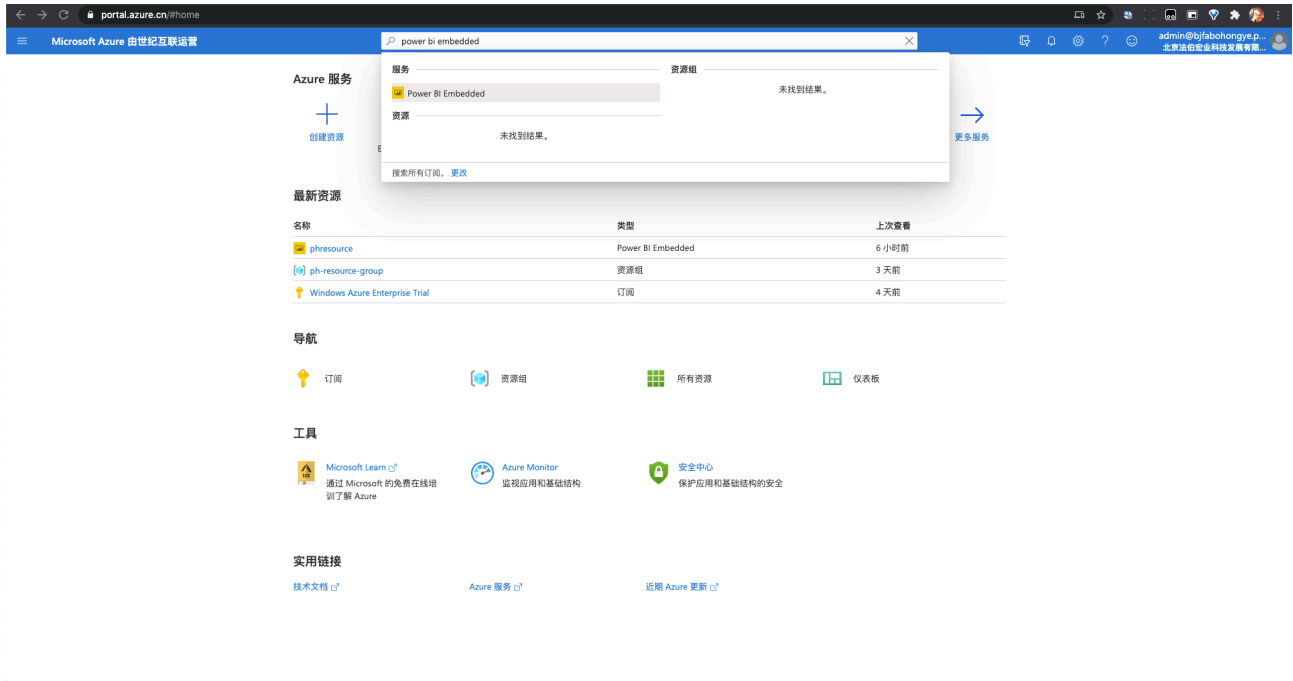
立即购买

更多操作

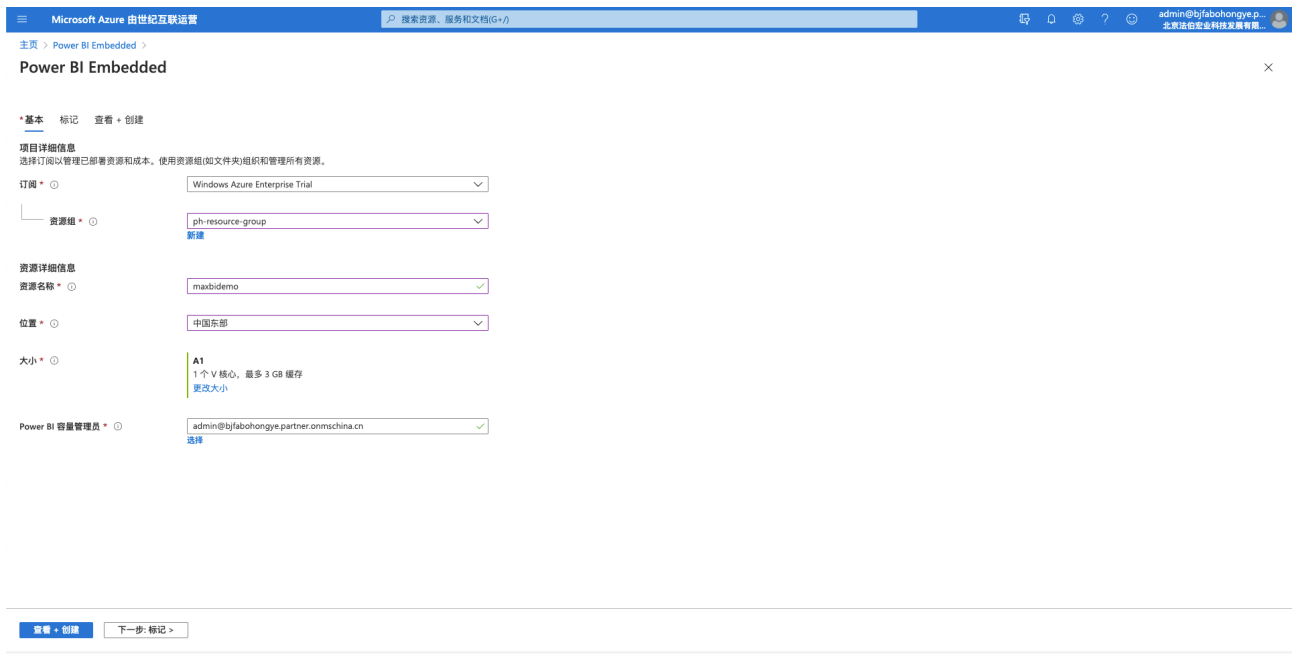
查找解决方案提供商

## 2. 登录azure创建Power BI Embedded

在浏览器地址栏输入：<https://portal.azure.cn/#home>，然后在搜索栏输入“power bi embedded”点击进入Power BI Embedded。进行创建Power BI Embedded。



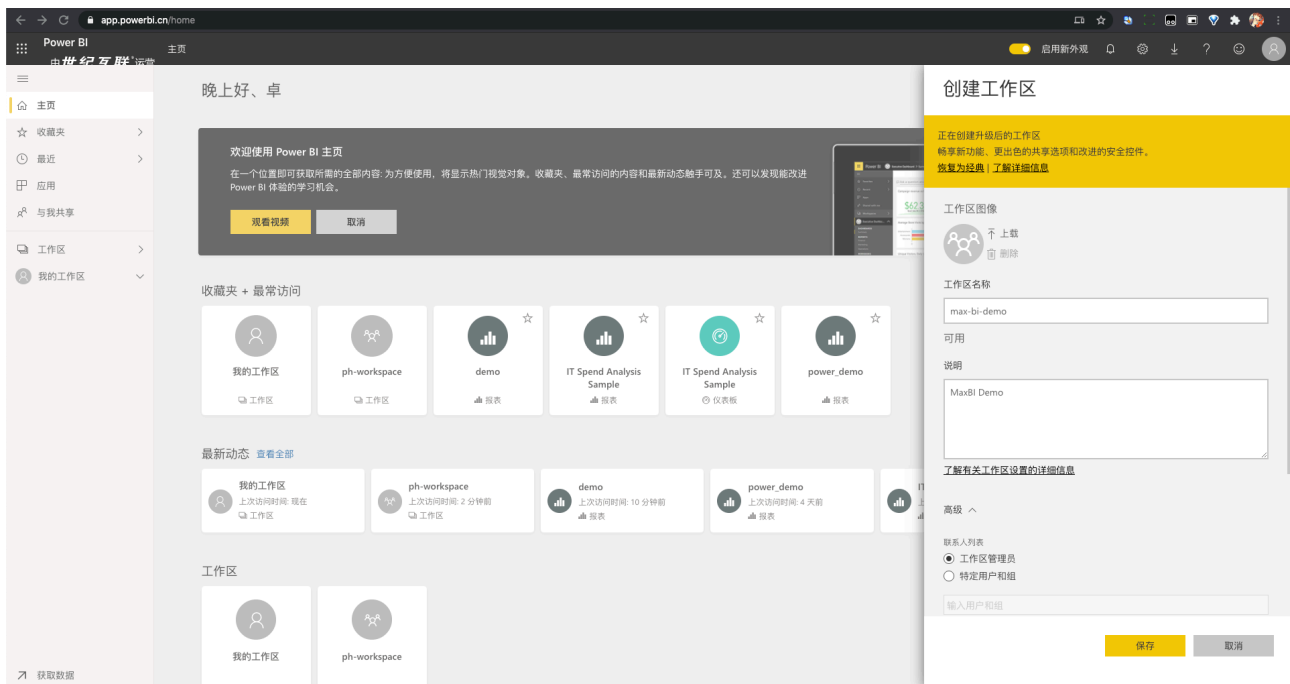
填写 power bi embedded 配置信息，按照提示规范填写即可，填写完成后点击“查看 + 创建”



最后点击创建进行创建。

### 3. 登录PowerBI主页，创建工作区

进入<https://app.powerbi.cn/home>后，点击工作区，创建工作区

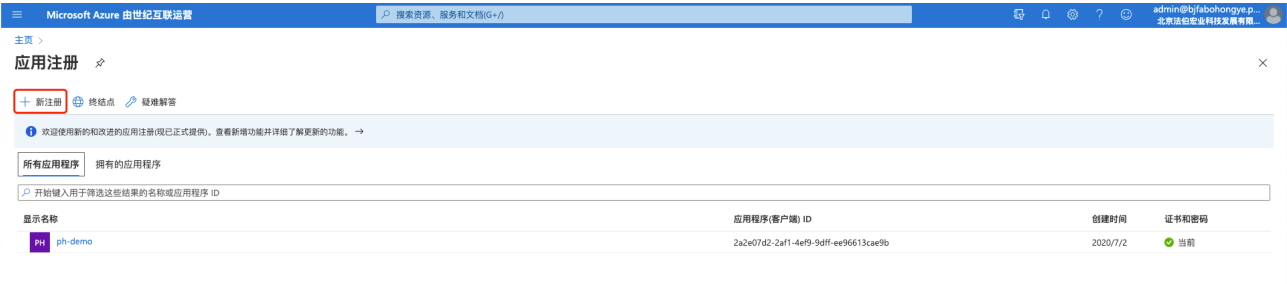


点击新创建的工作区，点击设置，点击高级版，关联之前创建的 Power BI Embedded resource。

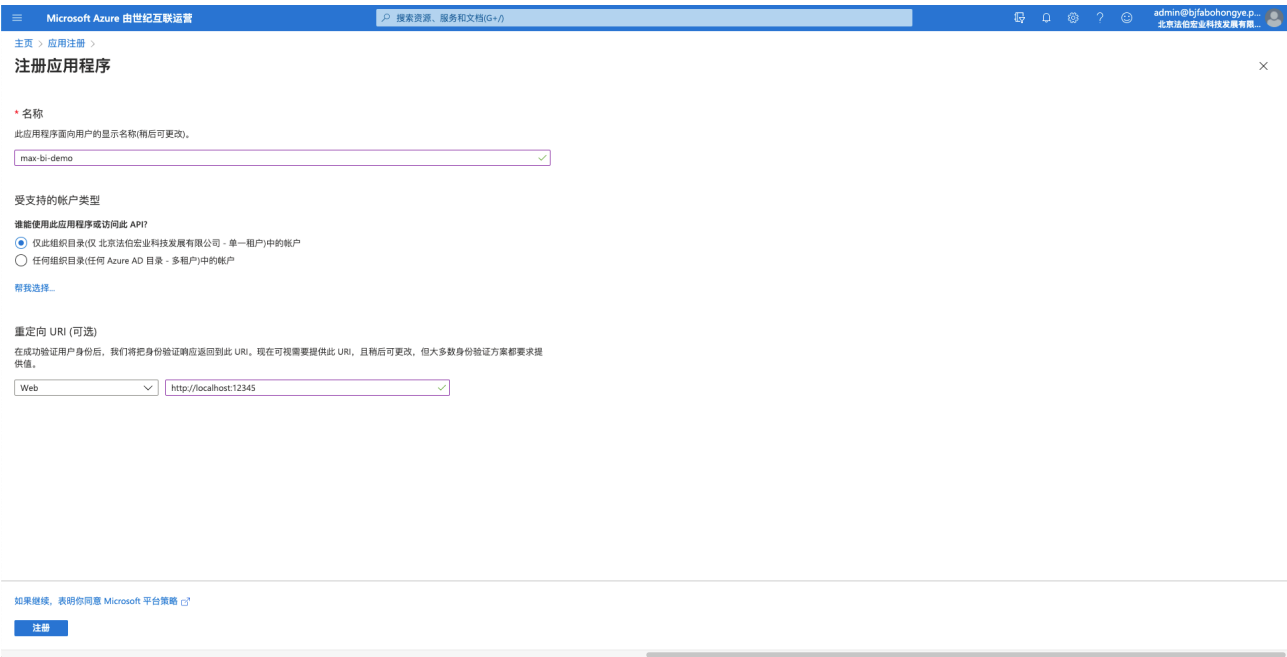
记下创建的工作区名字，之后使用 PowerBI Desktop 设计的图表，发布到此工作区，以便嵌入。

# 4. 创建应用注册，为嵌入图表做桥梁

进入azure主页<https://portal.azure.cn/#home>，搜索“应用注册”，进入应用注册页面，点击新注册



填写应用名和重定向URL，进行注册

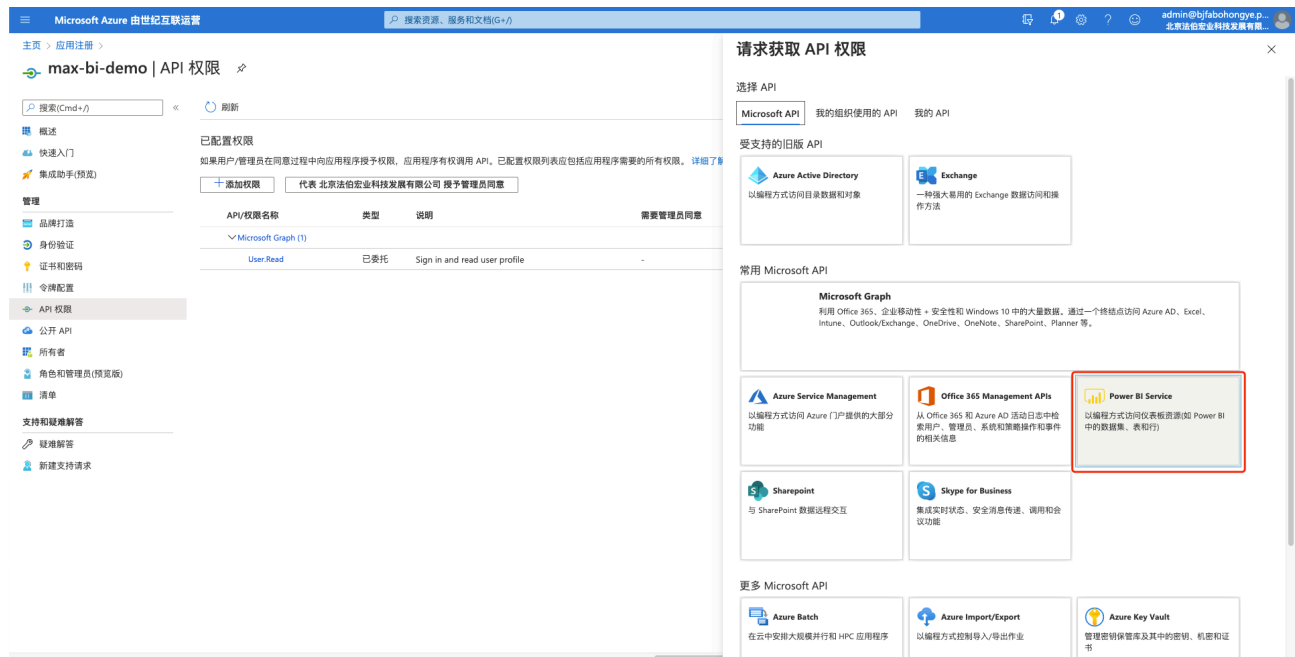


记下clientID

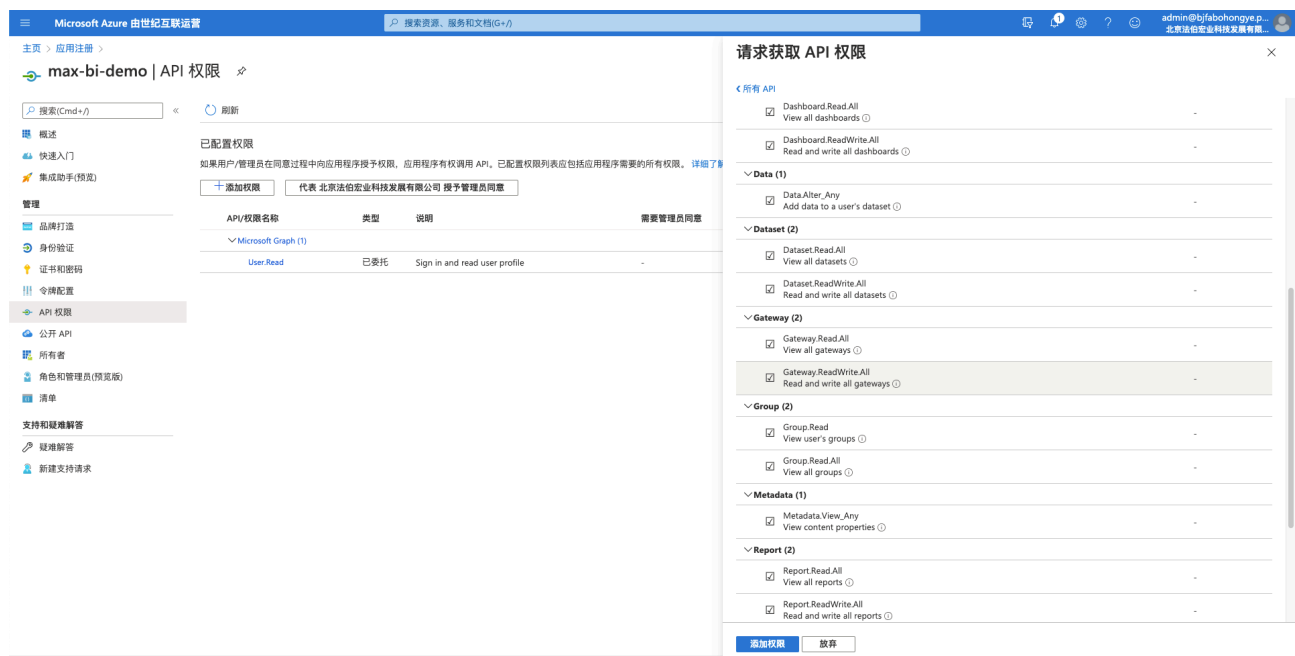


## 5. 为注册应用添加PowerBI权限

在当前注册应用页面点击“API权限”，点击“添加权限”，找到 Power BI Service



将“委托的权限”和“应用程序权限”的所有权限打钩选取后，点击“添加权限”。



最后点击“代表 北京法伯宏业科技发展有限公司 授予管理员同意”。  
授权完毕后，点击“证书和密码”，创建一个 Client Secret，并记下。

## 6. 获取AccessToken, 为生成 Embedded Token做准备

我这里使用PostMan做的测试，之后使用AzureSDK进行Lambda化。

需要用到的参数有：

- Callback URL: 在注册应用时填写的重定向URL
- Auth URL: <https://login.chinacloudapi.cn/common/oauth2/authorize?resource=https://analysis.chinacloudapi.cn/powerbi/api>
- Access Token URL: <https://login.chinacloudapi.cn/common/oauth2/token>
- Client ID: 注册应用时的客户端ID
- Client Secret: 上个步骤创建的 Client Secret。
- Scope: 填写 Dataset.ReadWrite.All 或 Report.Read.All, 根据需求而定。

get access token

Examples (0)

GET

Enter request URL

Send

Save

Params

Authorization

TYPE

OAuth 2.0

The authorization data will be generated when you send about authorization

Add authorization data to

Request Headers

Preview Request

Response

GET NEW ACCESS TOKEN

Token Name

Get-PowerBI-AccessToken

Grant Type

Authorization Code

Callback URL ⓘ

http://localhost:13526/

Auth URL ⓘ

https://login.chinacloudapi.cn/common/oauth2/authorize?resource=...

Access Token URL ⓘ

https://login.chinacloudapi.cn/common/oauth2/token

Client ID ⓘ

2a2e07d2-2af1-4ef9-9dff-ee96613cae9b

Client Secret ⓘ

t1Cd1ChB\_dr6kaw-5.8.940sX1gx14fqC4

Scope ⓘ

Dataset.ReadWrite.All

State ⓘ

State

Client Authentication

Send as Basic Auth header

Request Token

点击 request token 后，输入账号密码，然后获得 Access Token，记下。

[illegible]

## 7. 使用 Access Token 获取 Embedded Token

POST URL: <https://api.powerbi.cn/v1.0/myorg/groups/e6effdad-efa0-4960-9542-2577138395f0/reports/15673e76-fe99-4249-b58e-8e24fa635d72/GenerateToken>

```
body:
{
  "accessLevel": "View"
}
```

Authorization: Bearer Token

get embedded access token

Examples (0)

POST

https://api.powerbi.cn/v1.0/myorg/groups/e6effdad-efa0-4960-9542-2577138395f0/reports/15673e76-fe99-4249-b58e-8e24fa635d72/GenerateTo...

Send

Save

Params

Authorization

Headers (1)

Body

Pre-request Script

Tests

Cookies

Code

Comments (0)

TYPE

Bearer Token

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

Preview Request

Token

eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiIsIng1dCI6Im9CaExLXBMUXBFUmVQems1Nzh3ZXpsv...

返回结果如下图，记下token。

POST

<https://api.powerbi.cn/v1.0/myorg/groups/e6effdad-efa0-4960-9542-2577138395f0/reports/15673e76-fe99-4249-b58e-8e24fa35d72/GenerateTo...>

Send

Save

Params

Authorization

Headers (2)

Body

Pre-request Script

Tests

Cookies

Code

Comments (0)

TYPE

Bearer Token

Token

eyJ0eXAiOiJKV1QiLCJhbGciOiJIUzI1NiIsInR5cCI6Imlmcm9kaEhXbMUBXBFUmVQems1Nzh3ZXpsV...

The authorization header will be automatically generated when you send the request. [Learn more about authorization](#)

Preview Request

Body

Cookies

Headers (12)

Test Results

Status: 200 OK

Time: 372 ms

Size: 3.11 KB

Save

Download

Pretty

Raw

Preview

JSON

1

{

2

"odata.context": "http://api.powerbi.cn/v1.0/myorg/groups/e6effdad-efa0-4960-9542-2577138395f0/\$metadata#Microsoft.PowerBI.ServiceContracts.Api.V1

3

"token": "H4sIAAAAEAAECWwXa7FDI6E3-XfpqUwtdSLMDNfZbOCY3m3ee0em1vXHBv5...\_5x8eccnKf\_79T5oRdcLzY07DYlW6MdB9

-ZN3tSL2qehAY470z0WtV56uEzqzRdFz2jtwIKNs8J5k1rLg83Q4Aj0wpJ8L7N0CgwpP2t5kuotP03J0pg6mRRANCK63APcEr1RmVKqad0BBDJqZuXoPB840r1

-M7Bzx2ReCT8rVx0N80XGTvngZGAEF87rU-u8iCN1sXm8PtsoE9VFNN

-cINH3yDFjVDQZn0FjeeJ4qjh8viJ5bJgRs86P1TzdhPtdWKS5uPmZdyiFlfLtoDcT\_Mavq6JaCYmXvGDLpY7TUCAL06C4t5kttWXIEBd3KCDKLalUahJ7rg4LSunAvn8JFrLrLNCPUziRa0i

kj0-XiK5sPm\_Y0nucJdnSpiqMGLfLkYyeg8JZLzeVb7QE0D7L

-Iw\_JrRm19m9Suq\_IZU\_h0aE93YtNcnAm1PKsE6\_m8NambNxrVnhWR2z4ZvFvWAMHPfQHLp3ihVUAS3ZThPhdX7qGnHy286EPK8svRyqJe5M768d41Kqoiqh5BRDRJehEzmdDQLHHzvhiK

a1AoIIN80K5B270E4srmayqJR8frikLTQ08h6M8W1CwJHRFC6YvFnoTGEFH0zmfJ9Y7lnvCoLxTlM0jK3eINU4-0fnK5w0rDe-D4jJvJmZu5ZyR2L8swyXyb1

-wL4P3uB3v3rmmDpUa1LlMCHi2msH6t1hbulcqlWylkkFhSzoGVAQzP0ZJuiiGgrBEV\_UkbKs0WR54TM25XI6w8ra6FapnX-IIRDpEIRA0M86k08-5PYWaxy1h4-by1E5oy

-dELKoyRitL7Z1DfL3L88Y6k81AubVMBPhgRz2qMDC7Ncc11V69p6trHdg9jsXoopMycphS6WofJ80MEjJ4J3G5P97RBLBMEvrZM4S5Z70SmYrFtyH8FDQpTVUD3XIfoJ3k8mmfaXDJ

qtWsdvRdJEGjVUDvX4F4EMHrcstCie2QX87Iwaap2Z-n0ld3pW8DR-LBwAyuNT8VJdZqu2jrD5-TlZm07aqjC0bVJN5wUN86kpa0830FrF7Ab7FCdbt0S-zpXJRQ1GD

-bxG0FSeL8h8cpBEEwInG6-30ldrP540qJHeQdg3paLES1g1gtk0LSLmHVLwxzqadu9fPlLAgogu5thED1TT798z2D07mfAWJ-Xidy

-xHlqTPYBOK5sAvB8wK1u1tMTTS\_ad2rto9Rkq5SpS\_xyu\_2rXp4pXHMxYQ04npyCofTmb3y5zG5Hx8e8VBAj00TRKwo7A4FKgM31PcL7fjd9ik1Cx679RZDhboAdqPE6guqwlJnqhmJ

00yHRv3NfR2v099yEhnnv08DmpuJlS12Hw\_PwiVfoqY07x7ihkef\_Mve-wBYgCf1YcSq\_KvjyWLBW89S2WEL8X5ZBiavCd20B3J5v5qSYSp-x69ZGdX\_yqf5ZLK5CvS1gm4Hm8sRKT918

-nrYATc4gn6z2MgFr-jx50qJTEgrrpXAgcRMuYK56GqW54CXAXHyR3qZimbLAR2htQsdhLS\_Y2b6z2ffxfZdp2ZdXh3L4

-VRxDpyAYTLixC\_c4pZE065sPejesZV8FZeS1Y4YxenLv0F4N5W\_ZJVUON8lPdh8RE1tCNSQNlMvtt\_AJH6034iQ4avSLG3n5MAB86CPuUgFBKIQfclqhdAE4h

-lYgP0oInny60WYzQdJYwB1Mckca-Oxvxc9B8mVbbl16ug21nWTtJEBg36Ju1reFqs91yvTz03FOZ2d3G9pjKvRtH3eXmIuo2ZR5siw65qJfExwF6TV-apy-Ox3KXMXS

-i9IXvXNSyGmG1Xag20HhAE9EACxpz7dWlG5T2YJ0Z7PwtpY63g3CFHRPhwJqRVC5qY0wbwhZXRtAoj1oIV2A-0z98IRXD0w7GgGINEr\_SjxQl0s0\_sysHzPCoA-ERJWsho6E

-b3A\_pnFJFzHHS9UgPldpC0nb0JDuRwJ1TJV06NDs706mmQ9ATuWzrZA00P59Pe9GeNjLD5l\_eJuUkMTVRNabKlAm5d7GRZSnnv7z\_Azr19j2\_tp8FZYhS1cvAaJNZHxqusf27\_FhqBFR

96g5mu1CtWcTcmXo-mX05h28v6H12mG10rW9T2KXYXR\_nLwFFNsXqzOMAnJn82gvP4J5S5WvYbELXFI\_TwCZrVYfzyzy7GzhvR7T-le18xazFN\_vKxs780hnrMmVx5FhJ5

-gYhSL08NHfZlMsk71hdYpCkdjJtU\_18kL2bdt1wzK1clpyp6iulZFWKJjEhF3PeLdsIDop2GfB8Ubs-qh-EFdZJRbg6fctVxIJHpwf-so8NXFRjOhEy01IUlePu0v5-S1LWn

-n9GzokMltpb03f\_7zz7--4f23ReteVer\_eryU4eemjizp\_KsXoKn-gl8UD70JL3V82kZk6XNKTQOH

-Txx1DKhko3HQ\_nmNtT51kGQC4mqagKHQnqkOF5jFp4ARuhPrrPmgDGTJTsCq3qYYjX-0uulZRL13RaNmCfmmwl\_Emr\_3LqxsMyIF8bSiklS5ZISF4Res74ZF6GQuJR4wdDz8qPqA

-RoBcVyYidZGbnlRfeVj1G68t80EHfomQZwYjgWn\_ANSK3xwk77eW1BoeYJ3amvYTU02RM\_ZZ--Q0D9bFuXulX

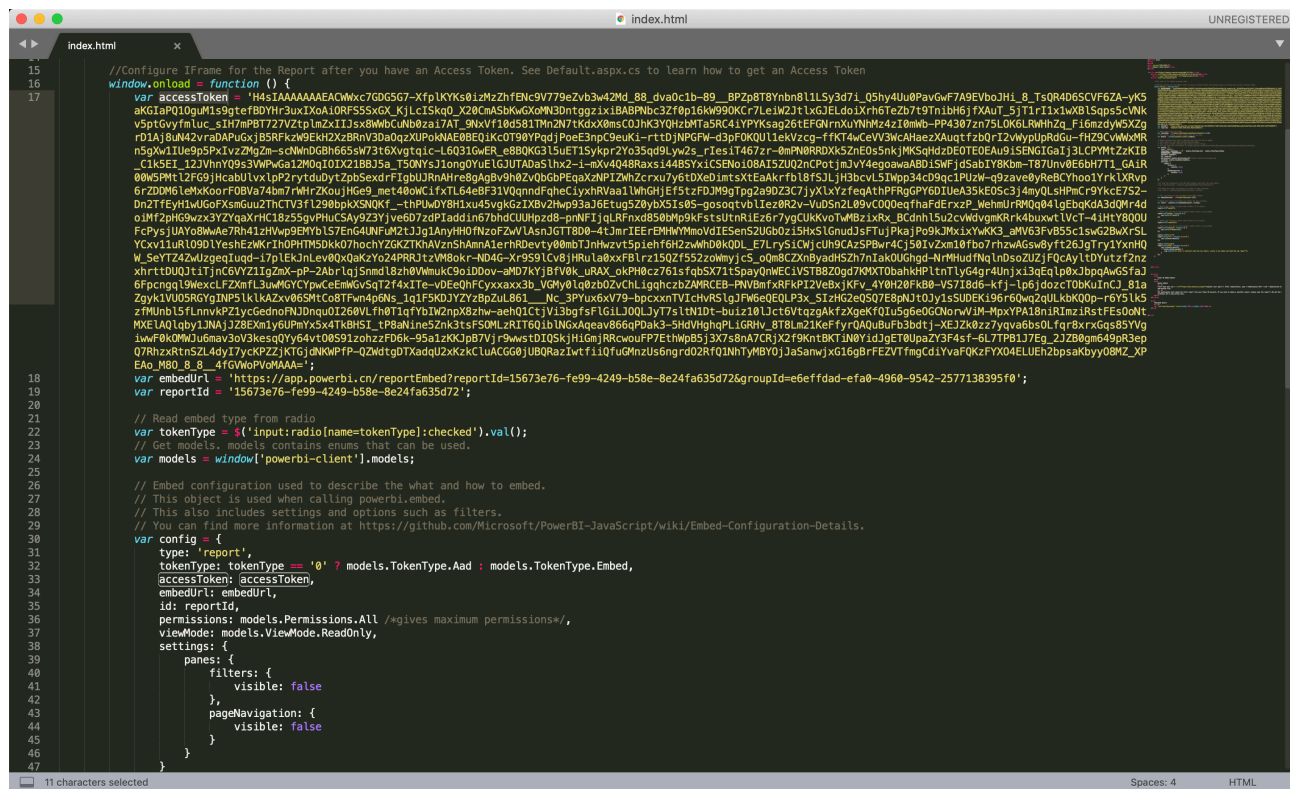
-dnUbGcTFWuHsrF3UB9K3YAZ07FhYomXGGLAAH74pajJ3KSLQ6GnLTHe7180KAhqr3A-Ec6578yvztb7Ur4pzJKGV9udny2YJLoIapktG793Z4XTNnS2

-v\_tp4E50vJx1pbmx\_Xwn9HOFu3a\_elSnz6uf1KeB50rdcCnkB00qY5-OnzPvH6bqZ7BayR9m5Jmgl61nITITrm\_ySMm42z4ZV01Z2Y1H9rCYSHRyCZFW956AQeOkE



## 8. 修改页面代码中使用的配置参数

Demo代码链接：<https://github.com/PharbersDeveloper/PowerBI-Demo>



```
15 //Configure IFrame for the Report after you have an Access Token. See Default.aspx.cs to learn how to get an Access Token
16 window.onload = function () {
17     var accessToken = 'H4sIAAAAAAAECWxc7GDGSG7-Xfp1KYKs0izMzZhFENC9V779eZvb3w42Md_88_dva0C1b-89_BP2p8T8Ynbn8l1L5y3d7l_Q5hy4Uu0PavGwF7A9EVboJH1_8_TsQ4D6SVCV6ZA-yKS
akG1aPQ10guM1s9gtefBDYHr3uxIXoA1ORF5S5xG_KjLcISkq0_X20CmASbKwGxOM3DntggzixiBAPNbC3Zf0p16Kw990KCr7LeiW2JtlxGJELdoiXrh6TeZb7t9Tn1bH6j_fXAUt_5JT1r11xwX81Sqs5CVNK
v5ptGvyfmluc_sIH7mP8727ZtPlwZxII3x8MbCuNb0za17AT_9NxVf10d581TMn2N7KdxX0msC0JhK3YQHzMTaSR41YPYKsap26tEFGNrnXuVNHMz4Zi0mmb-PP4307zn75L0K6LRHhZq_F16mzdyW5XZg
rdIAJ8uM42vra0APuGxjBSRFKz9E9KHZxZBRnV3da0qzXUPoNAE08E01Kc0T90YPqdjPoeE3ncP9euK1-rttdjNPGFW-d3pFOKQUL1ekVzcg-fTKT4wCeV3WcAHaezXAuqtftz0rI2WypUp0dGu-TH29CvW0MR
n5p9w11Ueb9p5vz2WmZm-scWmD0G0665sW73iGxvgtq1c-160310wER_e880KG315uET15yKpYr2o35nd9ly2s_rTes1T467zr-0mPN0R0X43ZrE055nkjWKSqHdz0TE0EAu915EN1G1Gaj13LCPmWZzXTB
_c1kSEI_12JYhN90s3VWPwGa12M0q10IX21BBJ5a_T5QNYs1Jong0YUeLGJUTAdAS1hx2-1-8Xv4Q48Raxs14BSYx1CSENo108A15ZUQ2hCPotjaJvY4epawaABD15WFjdSAbIY8Kme-787UnV0E6bH7T1_GA1R
00W5PM12fG9jHcabU1xlp2rYtdyTz0bSexdrFiqbUJRnAHre8AgB9h0ZvQbGPeqXzNP12WhZrcru7y6tXed0imtsXtEaAkrfb18f3LjH3bcvL51Wpp34cD9qc1PUZw-q9zave8yReBCYhoo1YrkIXRvp
6rZDM61eMxKoorFOBV47bm7rWHzKXouJHGe9_met40wC1xfTL64eBF31VQnnndFqheC1yxhRVaa1lWhGHjEF5tZFDJM9gTpg2a9KZ3C7jyX1xYzfeqAthPFrgPY6D1UeA35KE05c3j4myQLShPmc9YKcE7S2-
Dn2TfEYH1WdGofXsmGuu2ThCTV3fL298bpKXSNQKf_-thPUwDY8H1xu45vgKGzIXBv2Hwp93a3Eutug5Z0ybX5I05-gosoqtvb1Ie20R2v-VuDSn2L89vC000eqfhaFdErXzP_WehmURMQq04lqEbqKdA3dQmR4d
oIMfZphG9wz3Y2YqaXHC18z55gvPHUCSAy9Z3Yjve6D7zdPladdin67bhdCUHgzd8-prNF1jqlRFnx0850b9KfstsUtnR1Ez677ygCUKkvoTWMBz1xRx_BcdnhLSu2cW0vqmRRrk4buxwtLVct-4iHYBQ0U
FcPysjUAY28WwA7mH41zHw99RYu15TEG4MNP423J3g1AnyH0Nz0FzW41AsnJ0TTB08-4Lm7IEEFEMWMMoVdIEsensZUC00z15HsS1GnuD3sFTUjPkajp99K3wLxYwK3_aWV63FvB55c1swG2bwXSL
Ycxv11uLR109D1YeshE2MKr1ThPHTMSDk0k0thochY7GKZTKHAvznShAmaA1erH0Devty00mbTJnhwzt5Piehf6H2zwhD0KQDL_E7LrySiCwjcluh9CAZSP8w4Cj58Iv2xm10fbo7rhZwAGswyftf26jTcrY1YxH0
W_SeyT24Zu2geqIud-17p1EKJnLev0x0aKzY024PRR3tzVM8okr-ND4G-Xr9591Cv8JHRu1a0xxF81rZ15QZf552z0mmyjCS_o0m8CZxNByadh5Zn7nIakOUghgd-NrMHudNqInDsoZUJZFQcAyltYutzf2nz
xhrttDUQ3tiTjncGVY21IgzX-pP-2AbRlqjSnmd18zh0VmmukC9oiDDov-amD7KyjBfV0k_uRAX_okPH0cz761sfqb5X71t5payQnWEC1VSTB820gd7K0XTObahkHP1tntLyG4gr4Unjxi3qEqLp0XJbpqAwG5faj
6Fpcngq19WexCLFZmFL3uMGYCYpwCEmMGvSqt2f4xITE-vDEeQhFCyxxax3b_VGMyl0qzb0ZvChLiqhczBZAMRCB-PNVBmfXRFKPI2VeBxjKFv_4YBH20FK80-V5718d6-kfj-lp6jdozCT0bKuInCJ_81a
Zgyl1VU05RGYvINP51kLkAZxv06SMtC08Tm4p0Ns_1q1F5KDjZYZzb0zL861_Nc_3PYux6xv79-bpcxntVichvRS1gJW6e0QLP3x_StzHG2e05Q7E8gNJt0Jy1sSUD6K196r6QwqZULkbKQ0p-reY51K5
7rMu0151LnnwA721ycGednoRjDne0qI200Vlfh0TlqYb1Zvnp8zhw-aenQ1CjV13b9fSF161300LjY7Ts1VND1-buiz10Jc6vftopgAkf2XgeK1Q1u5960C0Norw4Jm-HpxYPA18nIRImz1RsTFes0Nt
MXELAQ1qby1JNAJ128EKmly6lPmYx5x4TK8HST1_P8aN1nesZnK3tsFS0MLZRT16Q1b1GmxAqav866aP0k3-ShdVHqhqPL1GRHy_8T8m21KefFyrQAQuBfB3bdtj-XEJZK0z77yqva6bs0LfqR8xKqG85YVg
1wWfK0MwU0maay30v3kesqQY64vt08S91zohzzFD6k-95a12KKJp87Vj9rwwstDIQ5k1H10mjRRouoFP7TEhwpB5j3X7s8NA7CRjX2f9KntBKT1N8Y1dJgET0UpaZy3f4sf-6L7TPB137eJ_23Z80gm649pR3ep
Q7RhZxRtnSZL4dy17yckPZZjKTGjdnKwFP-QZwtgDTXadqU2xKzK1uACGG0jUBQJ8aZ1wtfi1QfufGmZus6ngnd02Rf1Q1NhtYMBY0jJaSanwjxG16B8rFEZVTmgCd1YvaFQKzFYX04ELUEH2bpsakby08M2_XP
Eao_M80_8_8_4fGw0PvOMAAA-';
18     var embedUrl = 'https://app.powerbi.cn/reportEmbed?reportId=15673e76-fe99-4249-b58e-8e24fa635d726groupId=e6effdad-efa0-4960-9542-2577138935f0';
19     var reportId = '15673e76-fe99-4249-b58e-8e24fa635d72';
20
21     // Read embed type from radio
22     var tokenType = $('input:radio[name=tokenType]:checked').val();
23     // Get models. models contains enums that can be used.
24     var models = window['powerbi-client'].models;
25
26     // Embed configuration used to describe the what and how to embed.
27     // This object is used when calling powerbi.embed,
28     // This also includes settings and options such as filters.
29     // You can find more information at https://github.com/Microsoft/PowerBI-JavaScript/wiki/Embed-Configuration-Details.
30     var config = {
31         type: 'report',
32         tokenType: tokenType == '0' ? models.TokenType.Aad : models.TokenType.Embed,
33         accessToken: accessToken,
34         embedUrl: embedUrl,
35         id: reportId,
36         permissions: models.Permissions.All /*gives maximum permissions*/,
37         viewMode: models.ViewMode.ReadOnly,
38         settings: {
39             panes: {
40                 filters: {
41                     visible: false
42                 },
43                 pageNavigation: {
44                     visible: false
45                 }
46             }
47         }
48     }
```

修改 token、embedUrl中的reportId和groupId，修改完成后即可测试demo效果。