**题目：**Python获取token进行验证

在使用Python SDK操作Azure资源时，首先需要获取认证的token，然后才能对资源的做进一步的操作。本文分别介绍了基于Azure AD和Azure 账户名和密码两种获取token 的方式，实现managerClient对象的创建，进而操作Azure资源。

* **Azure AD方式：**

|  |
| --- |
| **import** azure.mgmt.resource **import** azure.mgmt.network **from** msrestazure.azure\_active\_directory **import** AADTokenCredentials, ServicePrincipalCredentials  GROUP\_NAME = **'yutaopythonresourcetest1'** REGION = **'chinanorth'** *#option value: chinaeast, chinanorth* client\_id = **'16a94c84-c6ba-4f19-aa48-3353f8ffe18e'** client\_secret = **'123456'** tenant\_id = **'b388b808-0ec9-4a09-a414-a7cbbd8b711b'** subscription\_id = **'e0fbea86-6cf2-4b2d-81e2-9c59f4f96b33'** credentials = ServicePrincipalCredentials(client\_id,client\_secret,tenant=tenant\_id,china=**'true'**)  resource\_client = azure.mgmt.resource.ResourceManagementClient(credentials, subscription\_id,base\_url=**'https://management.chinacloudapi.cn'**)  resource\_group\_params = {**'location'**:REGION}  *# create a resource group* result = resource\_client.resource\_groups.create\_or\_update(  GROUP\_NAME,  resource\_group\_params ) |

* **账户名--密码方式：**

|  |
| --- |
| **from** azure.common.credentials **import** UserPassCredentials **from** azure.mgmt.resource **import** ResourceManagementClient  credentials = UserPassCredentials(**'test@microsoftinternal.partner.onmschina.cn'**, **'123456'**,china = **'true'**) subscription\_id = **'e0fbea86-6cf2-4b2d-81e2-9c59f4f96b33'** resource\_client = ResourceManagementClient(credentials, subscription\_id,base\_url=**'https://management.chinacloudapi.cn'**)  resource\_group\_name = **'my\_resource\_group'** resource\_client.resource\_groups.create\_or\_update(  resource\_group\_name,  {  **'location'**:**'chinanorth'** } ) |

* **更多信息参考链接：**

Azure SDK for Python：<http://azure-sdk-for-python.readthedocs.io/en/latest/>

Git-Hub：<https://github.com/Azure/azure-sdk-for-python>

Azure AD创建参考：<http://arui.me/index.php/archives/114/>