**How to signin users in one experience using an email-password OR an phone number-code.**

Example:

To achieve a signin experience that will allow the user to type in an email OR a phone number in the same field and then on the next screen, the user will be prompted for a password (if email provided) or phone code (which would have been sent to the phone.

The sample policy for signin (only signin no registration) is here:

<https://github.com/Azure-Samples/active-directory-b2c-advanced-policies/blob/master/wingtipgamesb2c/Policies/b2ctechready.onmicrosoft.com_B2C_1A_sign_in_games_email_phone.xml>

It is deployed to a demo experience here:

[https://login.microsoftonline.com/b2ctechready.onmicrosoft.com/oauth2/v2.0/authorize?p=B2C\_1A\_sign\_in\_games\_email\_phone&client\_id=421c5fdd-289e-4137-895d-72855a4b7403&nonce=defaultNonce&redirect\_uri=https%3A%2F%2Fjwtms.azurewebsites.net%2F&scope=openid&response\_type=id\_token&prompt=login](https://na01.safelinks.protection.outlook.com/?url=https%3A%2F%2Flogin.microsoftonline.com%2Fb2ctechready.onmicrosoft.com%2Foauth2%2Fv2.0%2Fauthorize%3Fp%3DB2C_1A_sign_in_games_email_phone%26client_id%3D421c5fdd-289e-4137-895d-72855a4b7403%26nonce%3DdefaultNonce%26redirect_uri%3Dhttps%253A%252F%252Fjwtms.azurewebsites.net%252F%26scope%3Dopenid%26response_type%3Did_token%26prompt%3Dlogin&data=02%7C01%7Cjoroja%40microsoft.com%7C37a3e144f26f45aeed0008d56891c0c7%7Cee3303d7fb734b0c8589bcd847f1c277%7C1%7C0%7C636529898337520001&sdata=5kqGxargdQGfTFUx2CEuvO3xDrFVrOUxueEEXOGSI4I%3D&reserved=0)

**A user must exist by previously having signed up for a local (email-password) based account.**

For the phone number option to work, the phone needs to be added (as PATCH) to the user object using Graph.

**You will have to PATCH your user objects with a phone number-typed sign-in name, such as:**

PATCH [https://graph.windows.net/myorganization/users/f4b7af58-a31a-4423-babb-285b62e5ff7d](https://apac01.safelinks.protection.outlook.com/?url=https%3A%2F%2Fgraph.windows.net%2Fmyorganization%2Fusers%2Ff4b7af58-a31a-4423-babb-285b62e5ff7d&data=01%7C01%7CChris.Padgett%40kloud.com.au%7C8128ceb0ee5e4b3dd70c08d568c8ad7b%7C23ae57df8a51444aa59a328118705efc%7C1&sdata=gQgqi8JiPIeSF4HTzmwwf5s%2BEN0r3oxllZmwgbvNL90%3D&reserved=0)

Content-Type: application/json

{

    "signInNames": [

        {

            "type": "emailAddress",

            "value": "[bill.gates@live.com](mailto:bill.gates@live.com)"

        },

        {

            "type": "phoneNumber",

            "value": "+14254990296"

        }

    ]

}

NOTE: OPTIONS WHEN USING MFA (PHONE FACTOR) in the policy.

**authenticationMode:mixed** (change to sms)

**autodial:false**(change to true)

This will result in the code being sent via SMS immediately after the phone number is provided (and found) in the first step.

A snappier experience – when you already KNOW that SMS is the way to go.