

Create Twiml App:

- 1) Login with your Twilio credentials
- 2) Move to Programmable Voice
- 3) Click on TwiML
- 4) Click on TwiML app
- 5) Click on Plus icon (+)
- 6) Fill the data and click on create
- 7) Give friendly name, Request URL give as ("<https://>" + your runtime domain + "client-voice")
- 8) Now Twiml app created

Create Capability Token URL:

- 1) Click on Runtime
- 2) Click on Overview
- 3) Click on Functions
- 4) Click on Plus icon (+)
- 5) Select Twilio Client QuickStart
- 6) Paste your Twiml app sid in the TWIML_APP_SID textfield
- 7) Caller_ID is your Twilio number
- 8) Click on create
- 9) Now Twilio Client QuickStart (Capability Token) and Twilio Client QuickStart (voice calls) created
- 10) To get the capability token URL, click on Twilio Client QuickStart (CapabilityToken) and copy the path URL

IMPORTANT**

Replace the following code in Runtime Functions:

- 1) Click on Runtime
- 2) Click on Functions in Runtime Overview
- 3) Click on Twilio Client Quickstart (Voice calls)
- 4) Go to configuration- code

Replace the following code

```
exports.handler = function(context, event, callback) {  
  let twiml = new Twilio.twiml.VoiceResponse();  
  
  console.log("Event = "+event);
```

```

if(event.To) {

    // Wrap the phone number or client name in the appropriate TwiML verb
    // if is a valid phone number
    let attr = isAValidPhoneNumber(event.To) ? 'number' : 'client';

    event.To = event.To;

    if(event.Called == event.To)
    {
        attr = 'client';
    }

    const dial = twiml.dial({
        callerId: context.CALLER_ID,
    });
    dial[attr]({}, event.To);
} else {
    twiml.say('Thanks for calling!');
}

callback(null, twiml);
};

/**
 * Checks if the given value is valid as phone number
 * @param {Number|String} number
 * @return {Boolean}
 */
function isAValidPhoneNumber(number) {
    return /^[\d\+\-\(\)]+\$/i.test(number);
}

```

In the same way, replace the following code in Twilio Client Quick Start (Capability token):

```
/*
 * Twilio Client Quickstart Template
 *
 * This Template shows you how to create capability tokens for Twilio
Client. Please note, this is for prototyping purposes
 * only. You will want to validate the identity of clients requesting
Capability Tokens in most production applications and set
 * the identity when minting the Token.
 *
 * Each function has a publicly accessible URL which a malicious actor
could use to obtain tokens for your app and abuse them.
 * See the section on capability tokens below to learn how to generate
capability tokens in your
 * own C#, Java, Node.js, PHP, Python, or Ruby application.
 *
 * More reading
 * - Capability Tokens
(https://www.twilio.com/docs/voice/client/capability-tokens)
 * - In-depth tutorial on Capability Tokens
(https://www.twilio.com/docs/voice/client/tutorials/capability-tokens)
 */

exports.handler = function(context, event, callback) {

  let response = new Twilio.Response();

  // Add CORS Headers
  let headers = {
    "Access-Control-Allow-Origin": "*",
    "Access-Control-Allow-Methods": "GET",
    "Content-Type": "application/json"
  };

  // Set headers in response
  response.setHeaders(headers);

  response.setStatusCode(200);
```



```
https://pbxplus.500apps.com/pbxplus/holdcall/{{AccountSID}}/{{AuthToken}}/{{callsid}}
```

4) CALL TRANSFER URL:

Suppose your call transfer URL as like below:

<https://pbxplus.500apps.com/pbxplus/transfercall/ACd15e7f28f2fdf6df554b3e96f80ca1e7/f35611bb765a3acd8012cddaff81f0ec/CAfd0619412a0d6b1e4c3ab5f13190fd1f/+918074444729>

Then give the URL in plugin config as:

```
https://pbxplus.500apps.com/pbxplus/transfercall/{{AccountSID}}/{{AuthToken}}/{{callsid}}/{{transfernumber}}
```

The keys should be in the following words

- 1) AccountSID
- 2) AuthToken
- 3) callsid
- 4) transfernumber

5) CALL CONFERENCE URL:

This is under development.

Send your Account SID, AuthToken and CapabilityTokenURL as below

```
window.AppupPluginsManager.exec("AppupTwilio","setTwilioPrefs",  
{  
  "capabilityTokenURL":"https://lion-rail-2261.twil.io/capability-token",  
  "AccountSID":"AC3ac5d09ed209d8771f048de25115a80a",  
  "AuthToken":"9678a806b66b0ce6534c7e0eda9fd07a",  
  "ConfigureNumber":"+12727702019"  
});
```



Things to Remember:

- 1) While sending Configure Number (Your device number) to setTwilioPrefs (above functionality), send in E.164 format. Refer the following link

<https://www.twilio.com/docs/glossary/what-e164>

- 2) Your number must configure with TWIML APP, following are the steps to configure TWIML APP

- i) Click on Phone Numbers
- ii) Click on number
- iii) Move to Voice or voice & Fax (if fax configurable only)
- iv) Select Twiml app
- v) Select your app